

## Unit Synopses

### AMB031 Mandarin 1

Anti-requisites	HHB051 and HUB453
Equivalent s	AMX031, HHB031
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

In this introductory language unit designed for students with little or no prior knowledge of Mandarin, students will gain skills in listening, speaking, reading and writing Mandarin in an integrated communicative environment. From the foundations of the Mandarin sound and tonal systems and the Pinyin Romanisation system, students will be introduced to Chinese character writing, greetings and introductions, expressions of family relations, nationalities, places, objects, locations and directions. By studying this unit, students will build a solid foundation in the use of Mandarin, i.e. Modern Standard Chinese. Increasing emphasis is placed on reading and writing as the unit progresses, alongside introductions to aspects of Chinese culture. This unit leads on to further studies and is the beginning of developing competency in Mandarin.

### AMB032 Mandarin 2

Pre-requisites	AMB031 or HHB031 or HUB453 or HHB051
Anti-requisites	HHB052, HUB454
Equivalent	AMX032, HHB032

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Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1

This subject continues to help students develop the four macro-skills of listening, speaking, reading and writing through an integrated communicative approach. While there is still further consolidation of the knowledge of the Chinese phonetic spelling system (i.e. Pinyin), greater attention is to be devoted to the speech of everyday conversations and to the the reading and writing of Chinese characters. With progressive acquisition of the Chinese language, students will receive further exposure to aspects and characteristics of Chinese culture.

### AMB033 Mandarin 3

Pre-requisites	AMB032 or HHB032
Equivalent s	AMX033, HHB033
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Students need to expand their working knowledge of Mandarin Chinese and to further develop their macro-skills of listening, speaking, reading and writing after completing their first year elementary Mandarin units.

This unit will provide learning activities to consolidate students' knowledge and command of the Mandarin Pinyin/Romanization system and at the same time more attention will be given to increasing students' competence in reading and writing Chinese characters. With progressive acquisition of the Chinese language, students will be further exposed to aspects and characteristics of Chinese culture.

### AMB034 Mandarin 4

Pre-requisites	AMB033 or HHB033
Equivalent s	AMX034, HHB034
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit follows on from Mandarin 3. It will continue to meet student need to expand their working knowledge of Mandarin Chinese and to further their skills of listening, speaking, reading and writing in the language. It will continue engaging students in activities to consolidate their knowledge and command of the Mandarin Pinyin/Romanization system and in activities to increase their competence in reading and writing Chinese characters as well as in speaking and understanding conversations and simple speech in everyday situations . With acquisition of

## Units

the Chinese language, students will be further exposed to aspects of Chinese culture.

### AMB035 Mandarin 5

Pre-requisites	AMB034 or HHB034
Equivalent s	AMX035
Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### AMB036 Mandarin 6

Pre-requisites	AMB035
Equivalent s	AMX036
Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### AMB037 Mandarin 7

Pre-requisites	AMB036
Equivalent s	AMX037
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

### AMB038 Mandarin 8

Pre-requisites	AMB037
Equivalent s	AMX038
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

### AMB042 International Exchange or Equivalent

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>External</b> - SEM-1, SEM-2

Please contact the School of AMPR for more information.

### AMB044 In-Country Study - B

Pre-requisites	AMB043
Equivalent s	AMX043, HHB059
Credit Points	48
Campus	EXCHANGE
Availabilities	<b>XCH</b> - XCH-1, XCH-2

### AMB045 Chinese - English Translation for Business Communication

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This language unit is suitable for students with native or near-native competencies in both Chinese and English and who have an interest or need to work with documents and high-level communications in both languages. The unit teaches basic translation theories and helps students develop their skills through a large amount of varied translation practice using real world materials including general business correspondence and sample texts in areas of advertising and marketing. In addition to the translation practice, students are introduced to business Chinese and English,

helping them to improve their skills in writing business documents. The knowledge and skills gained through this unit will provide a competitive edge for students who aspire to work in international business and trade companies requiring people with skills in translating business documents between Chinese and English. Admission may require an interview.

### AMB046 Chinese - English Translation on Business Topics

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Business communication between the English-speaking world and China has been increasing rapidly and on an extensive scale. Success of many business deals and transactions depends on truthful and effective translation of business documents between the two languages. This unit will help students expand their skills into conducting translation work in business and, in particular, in the areas of accounting, banking and international business.

### AMB047 Chinese - English Liaison Interpreting

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This language unit is designed for native or near-native Chinese speakers from any

discipline with an interest in developing Chinese–English interpreting skills. The unit teaches basic interpreting theories and helps students develop aural and written skills in dialogue interpreting, sight interpreting and consecutive interpreting through a large amount of varied interpreting practice in authentic situations such as exhibitions and fairs, business negotiations, overseas visit, interviews, health service, reception services, tours and visits and catering culture. The knowledge and skills the students acquire in this unit will position them to act as a communicative bridge, interpreting communications between the company or institution on one side and its Chinese or English-speaking clients on the other. Admission may require an interview.

### AMB048 Chinese - English Speech Interpreting

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Contact and communication between the English-speaking world and China have been increasing rapidly and on an extensive scale. Successful communication between language speakers of Chinese and English depends greatly on truthful and effective interpreting of conversations and speeches from one language to the other. It is designed for students who are interested to interpret formal and ceremonial speeches in

situations where they may find themselves in their future work places.

### AMB050 Advanced Chinese - English Translation on Business Topics 2

Pre-requisites	AMB045 and AMB046
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This advanced unit complements AMB049, consolidating and extending students' knowledge gained in AMB045 and AMB046 to help students further develop their translation skills in business situations in both China and the English-speaking world. Students will apply learned skills to a wide range of authentic materials covering topics such as property economics, loans and mortgages, superannuation and pensions, asset allocation, estate planning (related mainly to Australian and Chinese contexts) and idioms used in business texts. Students in the unit will develop a high level of cross-cultural awareness – essential for performing professional translation tasks in government and companies providing financial services to the general public.

### AMB120 Bridging Cultures

Pre-requisites	Completion of 96 credit points or more of study
Anti-requisites	AMB390
Equivalent s	HHB001
Credit Points	12

Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Understand the skills, behaviours and attitudes required to work effectively with people from different cultural backgrounds, and develop practical strategies to interpret difference and respond appropriately in culturally diverse situations. Our increasingly globalised workplaces need graduates with awareness, understanding, sensitivity to, and an ability to deal with cultural diversity. The knowledge and skills developed in this unit are particularly valuable for a range of international exchange students: those planning an outbound program and those already inbound, for shorter programs or full degrees at QUT. Students with an interest in intercultural communication and those who are learning or have learned a second language will also benefit from this unit.

### AMB200 Consumer Behaviour

Pre-requisites	24 Credit Points of Study
Anti-requisites	MIB204
Equivalent s	AMX200, CTB200
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - XCH-1, XCH-2

A fundamental component of

effective and successful marketing activity is an understanding of consumers, their needs and behaviours. Studying the behaviour of consumers in a wide range of situations and circumstances provides marketers with clear guidelines for the development of marketing strategy. This unit provides the foundation theories for the marketing major.

### AMB201 Marketing and Audience Analytics

Pre-requisites	24 Credit Points of Study
Anti-requisites	MIB305, MGB220, COB334
Equivalent s	AMX201, CTB201
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

The systematic and objective identification, collection, analysis, and dissemination of information is essential for any business to make informed decisions about how to address problems and opportunities in their markets. All business leaders must understand the challenges, opportunities and limitations of the marketing research process; questions that marketing research can answer and questions it can't, and be able to draw appropriate conclusions from different types of data that may be collected during marketing research. This subject builds on basic marketing knowledge

and students are involved in, and guided through, a practical, applied marketing research exercise based on a research brief chosen at the start of each semester. This provides the foundations for interpreting case studies, theories and research information presented in more advanced subjects.

### AMB202 Integrated Marketing Communication

Pre-requisites	84 Credit Points of Study
Anti-requisites	COB207, MIB309
Equivalent s	AMX202
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit gives learners an insight into an important growth area in marketing communication and a new employment field for graduates. In these uncertain times, and while communication is changing, the subject traces the development of IMC, while introducing the important areas of databases, communication, strategy and branding. It provides a theoretical framework, and relates it to traditional promotional concepts and marketing strategy. It is at an important point of the course, as well as the changing world that is in a state of flux, and it links beginner management and communication concepts with

strategy.

### AMB204 Purchasing and Procurement

Pre-requisites	BSB119 or CTB119
Anti-requisites	IBB312
Equivalent s	AMX204
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

All organisations require supplies and depend on a reliable and quality source of their supplies whether they are raw materials, components, spare parts, consumables or services. The management of these supplies is a complex logistics process and is often of strategic importance both in global and domestic markets. This unit is provided to examine the role of procurement and purchasing in this process.

### AMB206 Social Marketing

Pre-requisites	BSB126, CTB126, PUB104, BSB116, XNB151 or BSB117
Equivalent s	AMX206
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Social Marketing seeks to develop and integrate marketing concepts with other approaches to influence



behaviours that benefit individuals and communities for the greater social good. It is increasingly being adopted by governments and stakeholders around the world as they seek effective solutions to solving social problems relating to health, well-being, environment, and inequality. This unit introduces students to the principles, concepts, theory and application of social marketing, explaining how strategic, critical, and systems thinking, use of theory and research insight, and use of techniques such as segmentation, designing and planning, and the social marketing intervention mix can be used to tackle health and social issues. Students will learn to analyse real world behavioural and social problems and develop innovative and creative solutions using social marketing frameworks. This is an elective unit for business and public health students.

### AMB207 Entertainment Marketing

Pre-requisites	BSB126 or CTB126
Equivalent s	AMX207
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

As one of the largest industries in the world, and having been hit dramatically by COVID-19, the entertainment industry offers significant opportunities

along with unique challenges for the application of marketing and communication tools. The unit is designed to be part of the Tourism and Entertainment Marketing minor or to be taken as an elective by students with a particular interest in the area of entertainment marketing.

### AMB209 Tourism Marketing

Pre-requisites	BSB126 or CTB126
Equivalent s	AMB351, AMX209
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The success of individual tourism businesses is reliant to some extent on the competitiveness of their destination. This unit explores how a destination marketing organisation (DMO) is formed when a community recognises the need to become organised in destination promotions. Examine opportunities for the DMO and tourism stakeholders to collaborate in the development and implementation of a destination marketing strategy. Learning resources and assessments explore how marketing theories can be applied to tourism marketing practice.

### AMB210 Importing and Exporting

Pre-requisites	BSB108 or BSB119
Equivalent s	AMX210, IBB210
Credit	12

Points	
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Trade in services, importing and exporting, countertrade and e-commerce has become fundamental to the survival and growth of many businesses in Australia as well as in other economies. International business students need a good knowledge and understanding of the many challenges entailed in international trade transactions. The management of trade strategies and practices is an applied, technical and evolving area of international business operations that reflects the dynamic nature of trans-national trade in the global economy.

### AMB211 Brand Management

Pre-requisites	BSB126
Equivalent s	AMX211
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

The study and understanding of fundamental brand management concepts is relevant to students pursuing a variety of career outcomes (marketing, advertising, public relations, consulting, entrepreneurship, etc.) because brands are some of a firm's most valuable assets.

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Brands are an investment and an asset and help firms attract and, more importantly, keep customers.

### AMB220 Advertising Theory and Practice

Pre-requisites	BSB126 or BSB106
Anti-requisites	COB308
Equivalent s	AMX220
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

### AMB230 Digital Promotions

Pre-requisites	BSB126, CTB126, or BSB112
Anti-requisites	COB218
Equivalent s	AMX230
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-1

### AMB240 Marketing Planning and Management

Pre-requisites	24 Credit Points of Study
Equivalent s	AMX240, CTB240
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

AMB240 Marketing Planning and Management follows the introductory marketing class BSB126 and provides a focus on the implementation and evaluation of the marketing

plan at a small business level. Emphasis is placed on the responsibilities within a marketing team for planning, developing, organising, implementing, controlling, and evaluating marketing activities. The unit prepares students for other marketing units including market research and strategic marketing. The learning approach is innovative and uses role-play where students take the role of a marketing team member in a virtual simulated marketplace.

### AMB251 Designing Innovative Goods and Services

Pre-requisites	BSB126 or BSB116 or CTB126
Anti-requisites	MIB227
Equivalent s	AMX251
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1

The need for innovative design of goods and services that create customer value and deliver exceptional customer experience are central to the growth and marketing success of every organisation. Therefore an understanding of how to create new goods and services that are market-oriented is vital for students seeking a career in marketing. This unit is an elective in the marketing major however there is no assumed knowledge in marketing so students in other disciplines are welcome.

### AMB263 Introduction to Public Relations

Equivalent s	AMB260, AMX263
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

*AMB263 Introduction to Public Relations* answers three important questions: what is public relations, why we do it, and how we do it? It introduces the key concepts of public relations, and lays a foundation for subsequent study in the discipline. It integrates the idea of the role and influence of publics and the role of public relations in managing these demands on a range of organisations. The unit also shows students the range of potential careers available in the public relations industry. If you are undertaking a public relations major, *AMB263 Introduction to Public Relations* should be the first public relations unit you study. This unit may be taken concurrently with *AMB264 Public Relations Techniques* especially by students undertaking the public relations major. It may also be taken by those students undertaking a public relations 'minor', or as a stand alone unit.

### AMB264 Public Relations Techniques

Equivalent s	AMX264
Credit Points	12
Campus	External

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Availabilities	<b>External</b> - XCH-2
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### AMB303 International Logistics

Pre-requisites	(AMB240 or CTB240) or (AMB210 or IBB210). AMB210 can be studied in the same teaching period as AMB303
Equivalent s	AMX303, IBB303
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Current and future managers in businesses need to comprehend the role which logistics and supply chain management play in enhancing corporate performance.

### AMB305 Analysis for Consumer Insights

Pre-requisites	AMB200 and AMB201
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The ability to prepare, analyse and interpret data to make informed business decisions are essential skills in any market driven organisation. The unit builds on the fundamental theoretical, technical and methodological concepts introduced earlier in AMB200 and AMB201. This unit will enable students to use industry-relevant software packages and appropriate technical and analytical skills to draw meaningful inferences and to formulate evidence-based decisions and

recommendations.

### AMB306 Advanced Consumer Research

Pre-requisites	AMB200 and AMB201
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

In our information-driven society, consumers and organisations are increasingly using research to guide their decisions. Consequently, the ability to critically evaluate research evidence and research designs are essential business skills. The unit builds on fundamental theoretical and methodological concepts from earlier marketing units (e.g., AMB200, AMB201) to teach students how to critically evaluate research and develop effective and rigorous research proposals.

### AMB310 Real World Internships and Projects

Pre-requisites	192 credit points of completed study
Equivalent s	AMX310
Other requisites	Grade Point Average (GPA) of 4.0 or higher; and undertaking a major in advertising, international business, marketing, or public relations.
Assumed Knowledge	Knowledge and skills in major area of study appropriate to an undergraduate student in final two semesters of study is assumed knowledge
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The Real World Internships

and Projects unit is a work integrated learning opportunity for students majoring in advertising, international business, marketing, or public relations. Students build on their knowledge and skills in a real world setting, develop and apply employability skills, and adopt a reflective approach to learning as they prepare to transition to professional practice.

### AMB318 Advertising Copywriting

Pre-requisites	AMB220 or COB308
Equivalent s	AMB221, AMX318
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

### AMB319 Media Planning

Pre-requisites	AMB220
Equivalent s	AMB222, AMX319
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces you to the strategic use of paid, owned and earned media to effectively reach consumers within an advertising campaign. You will develop skills to analyse data to research consumer attitudes and behaviours and develop creative consumer insights. Based on these insights you will work together in a team to develop a media strategy. This

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unit works closely with media industry professionals and is accredited by the Media Federation of Australia. Completing this unit will be beneficial to students who would like to pursue careers in advertising, digital or media agencies or media sales.

### AMB320 Advertising Management

Pre-requisites	AMB220
Equivalent s	AMX320
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilit es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Advertising Management is designed to shift student thinking from a tactical to a strategic level. Instead of taking the approach of, 'This is what happens in advertising', it challenges students by raising important contemporary issues in advertising management practice and asking, 'What should be done?'. Advertising Management is an issues-based unit, which uses case analysis to foster critical thinking and problem solving. It encourages students to understand and take ownership of the advertising management process and, in doing so, build a better advertising industry.

### AMB330 Digital Portfolio

Pre-requisites	AMB220 or AMB200 or AMB201
Equivalent s	AMX330
Credit	12

Points	
Campus	External
Availabilit es	<b>External</b> - XCH-2

### AMB331 Direct Marketing

Pre-requisites	AMB202, AMB220, AMB240, CTB240, or AMB249
Anti-requisites	COB315
Equivalent s	AMX331
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilit es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Direct Marketing is a powerful tool that should be considered as part of an organisation's marketing strategy. In just over a century, it has grown beyond its traditional mail order foundations to embrace new technologies, relationship building techniques, and performance measures. One of the foundational marketing communication disciplines, this unit is a vital addition to the fundamentals of IMC or a contemporary and dynamic elective for the advertising, marketing or PR majors.

### AMB336 International Marketing

Pre-requisites	AMB240, CTB240, AMB210, or IBB210
Equivalent s	AMX336, IBB213
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilit es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Globalisation has required firms to look beyond their domestic markets to remain competitive and profitable. An understanding of marketing internationally is vital in today's global marketplace where different challenges and value systems exist.

### AMB339 Advertising Campaigns

Pre-requisites	AMB320, AMB330 and a further 48 credit points of units in the Advertising Major.
Equivalent s	AMB321, AMX339
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilit es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The nature of advertising campaigns enables you to refine and enhance your understanding of the advertising process and to demonstrate your abilities to produce a strategic and synergistic advertising campaign. This involves client contact, team work and competitive industry pitches. It creates opportunities for client and agency contracts and portfolio development. As a capstone unit, advertising campaigns brings together everything learned in the advertising major in the ultimate rehearsal for the real agency environment.

### AMB340 Services Marketing

Pre-requisites	AMB240 or CTB240, and AMB201 or CTB201
Anti-requisites	MIB311



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Equivalent s	AMX340, CTB340
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit uses the core characteristics of service experiences as the framework to guide an exploration of strategies for the marketing of services domestically and internationally. Services marketing is an important growth area and students need to understand the unique aspects of the decision process for services and the appropriate application of services marketing principles to both the traditional elements of the marketing mix and the additional elements of the physical setting and processes of service delivery. This will be achieved by examining the application of marketing concepts, models and tools in services using case studies and practical experiences. Customer service planning and management, service quality management, and the pervading influence of relationship marketing are other critical topics which differentiate this unit within the marketing program.

### AMB359 Strategic Marketing

Pre-requisites	AMB340, and AMB335 or AMB241 or AMB330
Equivalent s	AMB341, AMX359
Credit Points	12
Campus	Gardens Point, EXCHANGE and External

Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2
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This advanced level marketing unit is designed to consolidate prior knowledge and skills learned in other marketing units including Consumer Behaviour, Market and Audience Research and Marketing Planning and Management. Using real world examples, this unit investigates the key challenges for managers in this ever challenging business environment. Developing a proactive strategic marketing management approach is important to ensure learners will be agile thinkers and strategic decision-makers in a changing marketplace and can apply these skills to successfully manage complex market conditions.

### AMB369 International Business Strategy

Pre-requisites	AMB336, AMB303, IBB303, or IBB213
Equivalent s	AMX369, IBB300
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Business success internationally and domestically requires the implementation of strategies and policies that are relevant to the dynamic global environment. Via a student focused learning approach, and via understanding of theory, in-depth case analysis,

and the formulation of an international strategic plan students will be able to develop a skill set of strategic capabilities to manage in a globalised environment.

### AMB372 Public Relations Planning

Pre-requisites	AMB263 AND AMB264
Equivalent s	AMX372
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

AMB372 Public Relations Planning builds on the knowledge and skills developed in previous units in the public relations major, specifically AMB263 Introduction to Public Relations and AMB264 Public Relations Techniques. This unit introduces and examines the steps in the public relations planning process, which is central to the study and practice of public relations and links to the next sequence in the public relations major.

### AMB373 Issues, Stakeholders and Reputation

Pre-requisites	96 credit points must be completed prior to enrolling in this unit
Equivalent s	AMB360, AMX373
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

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Issues, Stakeholders and Reputation (AMB373) focuses on public relations practice in an organisational setting. A key responsibility of this role is to anticipate and respond to issues that influence stakeholder relationships and organisational reputations. AMB373 provides foundational skills and knowledge of the issues management process, including monitoring and tracking public opinion, analysis and developing appropriate organisational responses.

### AMB374 Global Public Relations Cases

Pre-requisites	AMB263 AND AMB264
Equivalent s	AMB370, AMX374
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

In today's dynamic and interconnected environment, organisations are increasingly challenged when making effective and well-considered decisions. The communication of these decisions and the way organisations react to events have far-reaching consequences. It is imperative that public relations professionals can identify context and make informed, criteria-based decisions. This unit strengthens students' critical thinking and evaluation skills in public relations through case-based learning across a range of practice areas, builds

skills in decision-making to resolve global public relations problems, and develops collaborative skills through teamwork activities designed to encourage alternative solutions. Students will extend their working knowledge of how public relations practice areas and the global nature of contemporary organisational communications drive organisational decision making. The skills focus of this unit prepares students well for the capstone unit.

### AMB375 Internal Communication and Change

Pre-requisites	96 credit points must be completed prior to enrolling in this unit
Equivalent s	AMX375
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Communication is central to organisational practice. Internal Communication and Change will provide theoretical and practical insights to equip students to identify, analyse, and respond to communication challenges in contemporary organisations.

### AMB379 Public Relations Campaigns

Pre-requisites	144 credit points of undergraduate study plus 48 credit points of the undergraduate Public Relations Major, must be completed prior to enrolling in this unit
Equivalent s	AMB361, AMX379

Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

As a capstone unit, Public Relations Campaigns integrates material from across the public relations major. Public Relations Campaigns provides students with the opportunity to synthesise and apply knowledge, while developing and refining skills in professional public relations practice. Public Relations Campaigns models and prepares students for the transition to professional practice, working with a real world organisation as a client and learning in both collaborative and independent settings.

### AMB390 Bridging Cultures - International

Anti-requisites	AMB120
Other requisites	To enrol students must have completed 144cp (or equivalent to three semesters full-time study), have a course GPA of 4.5, which must include a minimum of 48cp of study in BS08
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2

Success in increasingly globalised work settings requires the attitudes and skills to engage effectively with people from a range of different cultural backgrounds. This unit takes a practical approach by providing theoretical

frameworks for understanding and interpreting differences in cultural behaviour and communication, together with skills and strategies which can help in responding appropriately and effectively to culturally different and diverse situations. This unit is specifically designed for students enrolled in BS08 Bachelor of Business - International. Students will enrol in the semester prior to leaving on their international year to best prepare them to the experience and to aid in assessing their intercultural development.

### AMN400 Consumer Behaviour

Anti-requisites	MIN419
Equivalent s	AMX400
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

As marketers work to develop more effective strategies to attract, reach and maintain their customers, the need to understand how consumers are influenced by both internal and external factors is integral to strategy formulation. The managerial importance of consumer behaviour stems from the marketing concept, so as consumers and their needs become the focus of the business; consumer behaviour forms the cornerstone of marketing strategy.

### AMN401 Integrated Marketing Communication

Anti-requisites	CON421
Equivalent s	AMX401
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - SEM-1, SEM-2, SUM-1

This unit represents a new way of thinking about IMC. Driven by the idea that everything is digital, this unit enhances traditional concepts of integration and synergy with new touchpoints of communication and new tools of measurement to deliver and optimise the ultimate customer experience.

### AMN403 Developing Market Intelligence Skills for Decision Making

Anti-requisites	MIN413
Equivalent s	AMX403
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

Examine how market research is used to enhance management decision making. The key to an organisation achieving business goals necessitates being more effective than competitors in creating, communicating and delivering value to customers. This means market decisions must be made with

stakeholders in mind. Therefore managers are reliant on information about customers, non-customers, competitors and the operating environment. Learn how to develop a research design that would enable data collection and analysis to address real world management decision problems.

### AMN404 Readings in Integrated Marketing Communication

Pre-requisites	AMN401
Anti-requisites	CON416
Equivalent s	AMX404
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SUM-1 <b>External</b> - SEM-1, SUM-1, XCH-1, XCH-2

In order to build understanding of theory and research in the disciplines of Integrated Marketing Communication, Advertising, Marketing, Public Relations and International Business learners require a unit that provides for extended and systematic reading in academic and professional journals. For Honours and Postgraduate research students, this unit facilitates learning the process of critically reviewing relevant literature for their proposed research topic.

### AMN405 Decisions and Issues in Integrated Marketing Communication

Pre-requisites	AMN401 or AMN420
Equivalent	AMX405

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Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2

The purpose of this unit is to develop a framework to understand and evaluate advertising and IMC theory, as it guides business decisions and impacts upon key issues in society. In doing so, this unit makes an important contribution to postgraduate studies by evaluating advertising and IMC in action, and exploring the ethical and legal considerations of message and media from a personal, corporate and professional perspective.

### AMN406 Project

Pre-requisites	Completion of 96cp of previous study of Business postgraduate units
Anti-requisites	CON405
Equivalent s	AMX406
Credit Points	24
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

This is a Work Integrated Learning unit with students focusing on the research and analysis of real world problems and issues and the development of business solutions in collaboration with selected industry partners. Working independently and in teams students will critically

examine contemporary issues relevant to their discipline specialisation and will use and extend their discipline knowledge and skills through exposure to industry partners, practices and pressures. In addition to research, project planning and problem solving skills students will develop and practice key professional skills including reflective practice, collaboration and networking with peers and industry mentors.

### AMN411 Independent Study

Other requisites	Subject to Unit Coordinator Approval
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

**Note: Students must have the prior consent of the Postgraduate Coordinator in the School of Advertising, Marketing and Public Relations before enrolling in this unit**

### AMN420 Manage Advertising

Anti-requisites	CON417
Equivalent s	AMX420
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

This unit is an important introduction to the management of successful advertising campaigns. Unless the advertising is based on research, well planned and has a strong strategic focus, the campaign will not be successful - regardless of how good the creative is or how

effective the media is planned. Therefore, advertising management is the keystone of successful advertising. This makes this unit of vital importance to all who study advertising or marketing communication.

### AMN423 Strategies for Creative Advertising

Anti-requisites	CON419
Equivalent s	AMX423
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

This unit explores theory and practice of advertising message planning and creation for print, broadcast and digital media. Insight and strategy underpin creative and provides direction for ideation and the benchmark for evaluation. Therefore, an examination of insight, strategy, ideation and execution is essential to effective and creative advertising.

### AMN425 Digital Strategy and Analytics

Pre-requisites	24 credit points of completed Postgraduate study
Equivalent s	AMX425
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2



This course spans all the marketing communication disciplines and the practice of advertising, public relations and marketing to deliver a holistic approach to digital strategy. It introduces students to new digital skills that reflect the cutting edge of industry practice and introduce important analytic understanding for decision-making. This unit satisfies the growing demand from industry for strategic thinking and planning, and the expectation of strong digital skills and a desire for innovation.

#### AMN426 Content Creation and Management

Pre-requisites	24 credit points of completed Postgraduate study
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

Content creation is an essential part of advertising, marketing and any communication strategy. Creating new, valuable, up-to-date content increases organic search traffic and improves brand positioning in search engine results. Further, high-quality content establishes the authority of a brand, builds relationships with consumers and ignites social sharing. Therefore, being able to produce content that is strategic, relevant and engaging is an important and employable skill in agencies and in organisations. This unit introduces students to principles and skills for creating

content and managing online communities, and deepens students' understanding of data-informed decision making.

#### AMN430 International Logistics Management

Equivalent s	AMX430, IBN410
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides an introduction to the logistics functions that allow the planning, procurement, production, movement, distribution and positioning of goods and services for international business. The focus on supply chain management emphasises the requirement of integration of international business activities, and the necessary collaboration between firms to manage not simply the movement and positioning of inventory, but also the management of information, finance, data and knowledge across borders.

#### AMN431 Marketing Internationally

Anti-requisites	MIN421
Equivalent s	AMX431, IBN421
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

International markets are becoming increasingly competitive as globalisation, technology changes and distribution changes influence the flows of goods and services. Recognising this criticality, this advanced unit builds on strategic knowledge and skills developed in earlier units, extending students' ability to apply theories and business and marketing principles and frameworks to key issues in the contemporary international landscape. This unit gives students essential knowledge and skills to understand and strategically respond to the challenges and opportunities of international marketing. Students will evaluate and formulate international marketing strategies, develop and practice their critical thinking, data analysis, and decision making skills, and craft and defend their judgements to make effective contributions to marketing strategy informed by cultural and ethical understanding.

#### AMN434 Special Topic in International Business

Equivalent s	AMX434
Other requisites	Subject to Approval of Subject Area Coordinator
Assumed Knowledge	null
Credit Points	24
Campus	External
Availabilities	<b>External</b> - XCH-1

### AMN442 Marketing Management

Anti-requisites	MIN422
Equivalent s	AMX442
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - SEM-1, SEM-2, SUM-1, XCH-1, XCH-2

This unit provides a foundation of study of marketing and marketing management at post-graduate level. Strategic and tactical perspectives of marketing management are explored, within the context of contemporary marketing planning.

### AMN443 Innovating Products and Customer Experiences

Anti-requisites	MIN423
Equivalent s	AMX443
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

The need for innovation in products and services to compete effectively in a global economy is a core driver of organisational strategy. Digital innovation alone can deliver \$315 billion in gross economic value to Australia over the next decade (Data61 2018). This unit combines both the theory and practice of innovation and uses a service design process to show students how to develop new products.

### AMN444 Achieving Service Excellence

Pre-requisites	24 credit points of completed Postgraduate study
Anti-requisites	MIN424
Equivalent s	AMX444
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

The service sector is a large and growing feature of the Australian economy. In addition, most manufacturing businesses encompass extensive service functions as well as production operations. Consequently, it is important for managers in all sectors to understand the problems and challenges inherent in designing and delivering high quality services for their customers and business partners. In this unit, students will be encouraged to explore and reflect on real world services marketing through examples, case studies and tutorial discussions that draw on relevant academic theory.

### AMN445 Meaningful Marketing: Value Creation and Customer Engagement

Anti-requisites	MIN425
Equivalent s	AMX445
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

### AMN446 Brand Analytics

Credit Points	12
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Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

Brands are critical assets to firms due to their ability to establish and sustain relationships with their consumers. Consequently, understanding the effects brands have on consumers is critical to future brand managers, market analysts and entrepreneurs across virtually all industries and types of organisations. This unit introduces students to the practical analytic skills needed to engage in consumer-focused brand management.

### AMN447 Contemporary Issues in Marketing

Anti-requisites	MIN407
Equivalent s	AMX447
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2

This unit focuses on how contemporary issues in society shape and are shaped by marketing. These may include: marketing, globalisation and demographics; marketing, health and social issues, marketing technological issues, and marketing and ethics. Students will learn to understand and analyse real world contemporary issues and how these relate to marketing, and how marketing can respond. In Semester 2 2020

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the unit will focus on the use of Strategic Social Marketing to tackle the COVID-19 pandemic - one of the biggest contemporary issues in society in recent times. Strategic Social Marketing involves the use of marketing principles, concepts and techniques to influence behaviour and social change that benefit individuals and communities for the greater social good. It is increasingly being adopted by governments and stakeholders around the world as they seek effective solutions to solving social problems relating to health, well-being, environment, and inequality.

### AMN460 Corporate and Investor Relations

Anti-requisites	CON409
Equivalent s	AMX460
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

Corporate and Investor Relations builds on relevant theories and practices by focusing on public relations in corporate settings, particularly for listed companies. The unit equips students with knowledge and skills in corporate communication and investor relations as a specialist area of practice for public relations professionals.

### AMN461 Corporate Media Strategy and Tactics

Anti-requisites	CON424
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Equivalent s	AMX461
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

This unit will build expert knowledge and skills in media relations in the context of public relations practice. Students will learn how traditional, digital and social media play an important role in responding to and influencing public opinion surrounding organisations, their issues and reputations. Students will analyse and develop a media strategy rationale and digital media portfolio to respond to the needs of a real world organisation. There is a strong focus on media writing.

### AMN462 Community Consultation and Engagement

Equivalent s	AMX462
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

This unit introduces students to communication engagement, a key practice area of public relations. AMN462 investigates the theoretical foundations of contemporary strategies to inform research, planning, and implementation. Stakeholders (i.e., organisations, local community and government) have their own agendas and expectations of the processes

and outcomes of these strategies. Effective engagement practitioners identify these expectations and facilitate communication, interaction, participation and dialogue to address questions of authenticity and voice. In this unit, students will develop the skills and knowledge needed to help organisations identify stakeholder expectations, develop and implement appropriate engagement programs, and evaluate engagement strategies within a framework of ethical practice. AMN462 aims to prepare students to help organisations plan for, implement, and evaluate the communication engagement strategies.

### AMN465 Public Relations Management

Anti-requisites	CON415
Equivalent s	AMX465
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

AMN465 Public Relations Management introduces students to public relations as a management function in contemporary organisations. Public relations is based on the management of relationships between organisations and the groups or individuals on whom their success or failure depends. This unit lays the foundation for students to begin to explore the nature of such relationships, and the tools, theories and strategies

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which may be deployed to successfully manage relationships between organisations and their publics.

### AMN467 Public Relations Campaigns

Equivalent s	AMX467
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

Public Relations Campaigns builds on introductory units in postgraduate public relations study. In the unit, students explore both strategic and tactical aspects of public relations campaigns, including the relevant theories driving campaign development, delivery, and evaluation.

### AMN468 Issues and Crisis Management

Pre-requisites	24 credit points of completed Postgraduate study
Anti-requisites	CON408
Equivalent s	AMX468
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

AMN468 is delivered in both internal and external modes. The external offering of this unit is only available to domestic students admitted to the BS16 Master of Business, BS17 Master of Business (Advanced), BS18 Master of Business/Master of Business

courses and the BS39 Graduate Certificate in Business. Organisations face increasing uncertainty in their business environments. Understanding how to prepare for issues and crises are essential components to making communication decisions and mitigating further risk. Issues and crisis management encompass all professions and AMN468 will integrate a range of action strategies with a focus on communication approaches.

### AYB114 Forensic Digital Analysis

Anti-requisites	BSB212, CTB212
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The rise of the Internet and the rapid development of technological applications is changing the way in which business is being conducted, how fraud is occurring, and, consequently, how forensic accountants investigate and analyse digital data. This unit introduces students to a variety of technological developments and their forensics and analytics implications, along with technical investigative approaches for monitoring and assessing potential fraud. In addition, students will be able to recognise the new data risks and governance issues facing organisations in the digital age. This insight will assist students to develop both theoretical and practical knowledge by understanding how digital

technologies and data are being used to investigate fraud and create business intelligence. This unit is a foundation of the Forensics second major and Forensics and Data Analytics minor and will equip students with up-to-date tools and techniques used in forensic investigation.

### AYB115 Governance, Fraud and Investigation

Equivalent s	BSB213
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The role of a forensic accountant involves many different tasks including profiling, interviewing, expert witness work and risk management. Fraud is an ever present problem in a technology driven business environment and understanding how fraud occurs and can be prevented and detected is becoming a necessity for business operations. Governance issues have an increasingly large impact on business due to the electronic and global nature of business operations. Therefore, an understanding of how IT governance assists forensic accountants in their risk management role, particularly in relation to fraud detection and prevention, is particularly important. From a legal perspective, understanding criminal and civil jurisdictions, gathering evidence, interviewing suspects, knowledge of



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evidentiary rules and the expert witness role is essential knowledge for those wishing to enter the forensic accounting profession

### AYB200 Financial Accounting

Pre-requisites	BSB110
Equivalent s	AYB121, AYX200
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

External financial reports are a legal requirement for companies under the Australian Corporations Act and provide decision-useful information for interested users. Therefore, it is a requirement for accountants working in industry to know and understand: accounting concepts and procedures; specific technical accounting and legal requirements; and, general professional and ethical concepts. These are required in order to be able to prepare, present and explain external financial reports for users. Similarly, this knowledge and skill is a requirement for auditors who perform audits and reviews of external financial reports.

### AYB205 Law of Business Entities

Pre-requisites	BSB111 or CTB111
Anti-requisites	AYB223
Equivalent s	AYB305

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Under Australian law, both individuals and businesses may organise their affairs through various types of business structures. Each structure has characteristics that differ and each structure affects the nature of their responsibilities, obligations, internal and external relationships. Accountants are often called upon to audit, advise and assist clients with their business endeavours and are required to understand the attributes of such business structures and the laws and regulations that affect them.

### AYB219 Taxation Law

Pre-requisites	BSB111
Anti-requisites	LWB364
Equivalent s	AYX219
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

As many business decisions involve a consideration of the taxation implications, Accountancy graduates should possess a basic knowledge of the Australian taxation system so that they can develop skills required for professional practice. The purpose of this unit is to enable students to develop an understanding of the basic fundamentals of

taxation. AYB219 Taxation Law is a prerequisite for AYB320 Advanced Taxation Law.

### AYB221 Accounting Systems and Analytics

Pre-requisites	BSB110
Anti-requisites	AYN443
Equivalent s	AYX221
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Accounting information systems are an essential element of any business. An appreciation of accounting in a modern electronic environment, how accounting systems are designed and how analytics can be applied in accounting, are therefore crucial to the study of real world accounting systems. This unit builds on the knowledge attained in the prerequisite subjects and applies it to accounting information systems environment.

### AYB225 Management Accounting

Pre-requisites	BSB110
Equivalent s	AYX225
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Management accounting is the

sourcing, analysis and communication of decision-relevant information - both financial and non-financial – used by firms to generate value and maintain a competitive advantage. Accordingly, all firms, regardless of industry type or size, make use of a range of management accounting practices. Accountants need to know about these concepts and techniques used by firms to allocate costs to products or services; plan, control and measure performance; and be able to identify and provide management with relevant information to inform their decision making.

### AYB227 International Accounting

Pre-requisites	(BSB110 or BSB107) and (BSB119 or BSB108)
Equivalent s	AYX227
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

As business and financial markets have become increasingly globalised, the significance of the differences in international, financial accounting policies and disclosure and reporting practices, have become more important, especially from the perspective of management, financial analysts and other users of financial statements including trillion dollar pension/superannuation funds. For these key interest groups,

it is vital not only to be aware of international differences in financial accounting policies and practices, but also to be able to assess their impact on earnings and assets and key performance indicators and ratios, for example, return on assets. Additional key issues in globalised business operations relate to an understanding and appreciation of cultural diversity issues and the global trends in foreign currency transactions and hedging, global corporate sustainability, international taxation and international audit.

### AYB230 Corporations Law

Pre-requisites	BSB111 or CTB111
Anti-requisites	LWB334
Equivalent s	AYX230
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Individuals and businesses may organise their affairs through various legal structures. One of the most common ways to organise a business structure is through incorporation. Accordingly, accountants should have a detailed knowledge about corporations as a particular type of business structure.

### AYB232 Financial Services Regulation and Law

Pre-requisites	BSB111
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b>

es - SEM-2

This course is developed for students who will be, or intend to embark on careers as, financial advisors and planners, accountants, auditors, business analysts and stockbrokers. It is designed to aid the students' understanding of the regulatory fundamentals and the key provisions of the law and regulations relating to corporate securities and financial services.

### AYB240 Superannuation and Retirement Planning

Pre-requisites	BSB111 and (BSB107 or BSB110)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Mandatory superannuation savings under the Australian retirement incomes policy have seen the superannuation industry grow to over \$2.3 trillion, with almost all workers now having superannuation benefits. Expansion of superannuation fund and investment choice has also increasingly shifted investment decision-making to superannuation fund members. Superannuation has become an almost universal benefit affecting virtually every business and employee. However, the superannuation system is complex and subject to a broad range of regulation governing all facets of the operations of the superannuation industry. This unit introduces students to the Australian superannuation

system and the regulatory framework under which it operates. Knowledge and understanding of superannuation is important to financial planning, accounting graduates, particularly if they will be involved with the superannuation advice to clients or employers, administration or auditing of superannuation funds.

### AYB250 Personal Financial Planning

Pre-requisites	(BSB107 or BSB110) and BSB111 and EFB210. EFB210 can be studied in the same teaching period.
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

With the increasing complexity of taxation laws, the ageing population and the focus on self-reliance in retirement, individuals expect their financial advisers to be professionally equipped to assist them in effective investment and risk management and also with complex retirement planning strategies. As a result, many professional accounting firms, banks and independent financial advise firms now offer financial planning services as part and parcel of the services they are offering to their individual clients. QUT graduates who have acquired skills and knowledge in this area will have a definite competitive advantage when seeking financial planning

related employment.

### AYB301 Audit and Assurance

Pre-requisites	(AYB221 or INB120 or IAB305) and (AYB340 or AYB220)
Equivalent s	AYX301
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM <b>External</b> - XCH-1, XCH-2

Audit and Assurance is a third year unit, which is included in the degree program to enable students to comprehend the key concepts of auditing as a discipline, to demonstrate the relationship between auditing and the systems of accountability and to demonstrate the differences between manual and computerised information systems (CIS) audit processes. The unit builds on the knowledge of accounting and accounting standards acquired in prior units by enabling students to understand in detail the audit process (including professional auditing standards and techniques and ethical requirements) which leads to the auditor providing an opinion on the truth and fairness of financial reports of various types of entities.

### AYB311 Financial Accounting Issues

Pre-requisites	AYB340 or AYB220
Equivalent s	AYX311
Credit Points	12
Campus	Gardens Point,

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit extends the knowledge acquired in earlier accounting units to examine accounting theories and reporting practices adopted in the financial statements of reporting entities and publicly listed companies to meet the decision-making needs of external parties. Emphasis is placed on developing an understanding of, and the ability to critically evaluate, how regulatory requirements and incentives affect financial reporting. The unit explores the different governance models of corporations and relates them to their financial reporting environment. This framework provides a basis for examining specific accounting issues with an emphasis on both the application of specific accounting measurement models (historic cost versus fair value) or regulatory provisions (continuous disclosure requirements). The unit also analyses key issues of debate in the international arena.

### AYB320 Advanced Taxation Law

Pre-requisites	AYB219 or AYB325
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

As many business decisions involve a consideration of the taxation implications,

accountancy graduates should possess knowledge of the Australian taxation system so that they can develop skills required for professional practice. The purpose of this unit is to enhance student's understanding of taxation concepts by extending the basic fundamental principles learned in AYB219 Taxation Law and exploring advanced taxation concepts in more depth.

### AYB321 Strategic Management Accounting

Pre-requisites	AYB225
Equivalent s	AYX321
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit develops a holistic view of organisations, strategy and management accounting, providing an in-depth understanding of management accounting tools and techniques designed to support strategy. It builds on the technical knowledge gained in AYB225 Management Accounting by taking a more strategic orientation to the application of these techniques to aid in managerial decision-making. The unit examines contemporary issues in management accounting and considers the skills and competences that management accountants should develop to stay competitive as value-adding

members of management teams. Students will explore the dynamism of contemporary management accounting techniques and practices, ensuring they can identify problems and apply the analytical skills needed when making decisions within firms. Students are encouraged to step outside their comfort zone and develop the reflective and higher order thinking required of strategic decision makers in an uncertain world.

### AYB338 Accountancy Work Placement

Other requisites	An application, interview and subsequent approval by the unit coordinator is required to enrol, in addition to the completion of AYB200 & AYB221& AYB219 OR other units approved by the Subject Area Coordinator.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2

The aim of this unit is to bring a sense of realism to accountancy concepts learned in class and to help students appreciate the importance of graduate capabilities (such as problem solving, decision making, communication, working in teams, information and technology literacy) in the accounting workplace. It provides students with a new opportunity to enhance and broaden their study of accounting by learning through experiencing the work that is performed by accountants, enabling them to more

effectively learn and practise accounting discipline knowledge and graduate capabilities. This unit forms one of the options for the Forensics and Data Analytics minor, and also for the Accountancy – Regulation and Tax Extension option set within the Accountancy major. Unpaid placements administered by the school must occur at the designated time with an independent supervisor. Placements take place in November/December and June/July.

### AYB339 Accountancy Capstone

Pre-requisites	192 credit points must be completed prior to enrolling in this unit including successful completion of AYB340 Company Accounting
Equivalent s	AYX339
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2

One of the essential elements in the real world is the ability to solve unstructured, multi-disciplined accounting problems. This unit integrates elements of the accountancy discipline using a Problem-Based Learning (PBL) approach. The unit addresses issues faced by a professional advisor/consultant by presenting students with simulated real-world problems. These problems require students to work together in teams, research issues, gather information, and form conclusions. Students should therefore be better prepared for



the various situations they will face in their accounting career.

### AYB340 Company Accounting

Pre-requisites	AYB200 or AYB121
Equivalent s	AYX340
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM

A large number of entities are companies rather than, for example, sole traders or partnerships. Accordingly, as an accountant, most of the work you will undertake as a practitioner will involve accounting for companies. In this context, accountants are required to interpret and apply accounting standards, and other statutory requirements governing the accounting procedures reflected in the content of a company's financial statements.

Accountants are also required to integrate and apply academic accounting knowledge to solving problems that arise in practice. This unit contributes to the knowledge and skills you will need to prepare financial statements for companies. This unit builds on the prerequisite units by applying accounting principles to complex company accounting issues. It also provides a foundation for subsequent units, which develop critical analytical skills through an examination of theoretical accounting issues, accounting regulation and practice.

### AYB341 Forensic and Business Analytics

Pre-requisites	192cp of completed studies
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

With the digitisation of information, management have become increasingly reliant on comprehensive and timely data driven reporting as their primary mechanism for capturing and evaluating business performance and for making urgent, strategic, high-risk decisions. This unit provides students with theoretical and practical skills in forensic and business intelligence through the use of SAS and other technologies, to investigate business related data resources to identify fraud, and to support corporate performance and decision making.

### AYB346 Financial Plan Construction (Capstone)

Pre-requisites	AYB250 and 192cp of completed studies
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

A key aspect of working in the financial planning industry is the ability to draw upon a range of professional skills including managing career and professional identity, communicating effectively with others, and leveraging the strengths of diverse teams to develop practical and ethical responses to contemporary

financial planning problems and opportunities. This capstone unit provides a platform for students to develop and refine financial planning professional practical skills by integrating and extending knowledge and skills gained in earlier financial planning units. Students will develop a critical understanding of their professional strengths and limitations in working individually, with peers, and with industry professionals. Students will be guided by academics and industry professionals to apply the discipline knowledge and professional skills gained throughout their university studies to real-world financial planning problems.

### AYN411 Audit and Assurance Services

Pre-requisites	AYN416 or enrolment in BS11 Accountancy major (BS11MJR-ACCOUNT)
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

This unit will enable students to develop an appreciation of the audit function and to better understand the main aspects of auditing and how it fits into the overall business environment. The unit builds on other accounting units studied as part of the overall course and applies other concepts and techniques previously learned to this specific area.

### AYN414 Cost and Management Accounting

Pre-requisites	AYN416 Can be enrolled in the same teaching period.
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

All firms, regardless of industry type, make use of a range of existing management accounting techniques to accumulate and track the costs of their products or services. These data are used to develop both long-term and short-term plans and strategies which help firms achieve and maintain their competitive advantage. Accordingly, accountants need to know about the costing techniques used by firms, understand cost terminology and cost allocation methods, and be able to identify and provide management with relevant information to inform their decision making.

### AYN416 Financial Accounting Processes

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - SEM-1, SEM-2

All firms need to prepare financial statements at least annually. AYN416 provides a comprehensive introduction to financial accounting processes from both a practical and theoretical viewpoint. Being the first accounting unit in the Master of Business

(Professional Accounting) AYN416 also provides the foundation for studies in all the other accounting related units in the degree course particularly AYN417 Corporate Accounting and AYN418 Advanced Financial Accounting.

### AYN417 Corporate Accounting

Pre-requisites	AYN416 or enrolment in BS11 Accountancy major (BS11MJR-ACCOUNT)
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

A large number of entities are companies rather than, for example, sole traders or partnerships. Accordingly, a significant amount of the work you will undertake as a practitioner will involve accounting for companies. In this context, accountants are required to interpret and apply accounting standards, and other statutory requirements governing the accounting procedures reflected in the content of a company's financial reports. Accountants are also required to integrate and apply academic accounting knowledge to solving problems that arise in practice. This unit contributes to the knowledge and skills you will need to prepare financial reports for companies. This unit builds on the prerequisite unit by applying accounting principles to complex company accounting issues. It also provides a foundation for subsequent units, which

develop critical analytical skills through an examination of theoretical accounting issues, accounting regulation and practice.

### AYN418 Advanced Financial Accounting

Pre-requisites	AYN416 or enrolment in BS11 Accountancy major (BS11MJR-ACCOUNT)
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

Financial accounting is concerned with communicating information about an entity's financial position and performance to meet the decision making needs of external parties. This unit examines the accounting and reporting practices of reporting entities, particularly listed public companies. Emphasis is placed on developing an understanding of, and the ability to critically evaluate, the various regulatory requirements governing financial reporting. The unit commences with an overview of the financial reporting environment and theories that seek to explain the accounting policy choices of management. This framework provides a basis for examining specific accounting issues with particular emphasis on both the application of specific accounting techniques/rules and the conceptual/theoretical issues associated with alternative accounting methods.

### AYN424 Accountability of Transnational Corporations

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

As business and financial markets have become increasingly globalised, the significance of the differences in international accounting policies and disclosure and reporting practices, has become more important, especially from the perspective of managers, financial analysts and other users of financial statements. This unit is designed to provide students with an insight into, and an appreciation of, many of the financial accounting reporting, disclosure and enforcement issues faced by global corporations in an international business environment. This unit provides you with an understanding of the unique financial accounting and reporting, taxation and corporate governance issues associated with global business operations including issues related to the political lobbying activities of both accounting standards and standard-setters. It will assist you to develop the skills necessary to analyse, compare, contrast, and report on the performance levels of global corporations.

### AYN433 Research Topics in Accounting

Pre-requisites	AYN417 and AYN418
Credit	12

Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit extends students' critical knowledge and skills in the formal review of a broad range of topics within the accounting literature. Through the exploration of key theories and research methodologies applied in accounting, this unit prepares students to complete their proposed research topic.

### AYN438 Taxation Law and Practice

Pre-requisites	AYN456 or enrolment in BS11 Accountancy major (BS11MJR-ACCOUNT)
Equivalent s	AYQ438
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

This unit builds on students' previous knowledge of business and corporations law to introduce the statutory framework of the Australian taxation system. Elements in the determination of taxable income and the levying of income tax are examined including general and specific categories of assessable income and allowable deductions, capital gains tax and administration aspects of the tax system. The taxation of fringe benefits is also examined. The unit also provides a brief overview of the taxation of partnerships, trusts and companies and an overview of the goods and services tax. Emphasis is

placed on developing students' skills in problem solving through research and analysis of taxation issues.

### AYN442 Superannuation and Wealth Management

Pre-requisites	48cp of completed study in EFN or AYN units
Equivalent s	AYQ442
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Mandatory superannuation savings combined with the expansion of superannuation fund and investment choice has also increasingly shifted investment decision-making to superannuation fund members. Superannuation has become an almost universal benefit affecting virtually every business and employee. However, the superannuation system is complex and subject to a broad range of regulation governing all facets of the operations of the superannuation industry. This unit extends students' foundational accounting and financial planning knowledge to encompass the Australian superannuation system and the regulatory framework under which it operates. Knowledge and understanding of superannuation is important to financial planning and accounting graduates, particularly if they will be involved with the provision of superannuation advice to clients or employers, administration or auditing of superannuation funds.



### AYN443 Accounting Information Systems and Analytics

Pre-requisites	AYN416 or enrolment in the BS39 Forensic Accounting Major (BS39MJR-FNSCACC)
Anti-requisites	AYB221, AYN402
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

In this unit, we look at how computers and accounting information systems are used in the modern day business environment. An appreciation of accounting in a computerised environment, how accounting information systems are designed and how application software can be used in accounting, are therefore crucial to the study of real world accounting systems. This unit builds on the knowledge attained in the prerequisite subjects and applies it to an accounting information systems environment.

### AYN453 Forensic Accounting and Data Analytics

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The unit provides students with an important skill base - both theoretical and practical - in supporting corporate decision making and fraud investigation in a business environment. Management require more

than just information to assist them. This unit focuses on providing skills and knowledge in forensic and data analysis/business intelligence through the use of advanced MS Access, MS Excel and SAS Enterprise Guide to mine and analyse data sets to assist managerial decision making and aid in fraud detection. Applications for Forensic Accounting and Data Analytics are emphasised.

### AYN454 Fraud and Investigation

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

There are many rules and regulations that are required to be addressed in the forensic accounting role. This unit will provide students with the knowledge and skills associated with different types of fraud, as well as regulatory aspects of forensic accounting including the correct way to collect and store evidence, interviewing suspects and witnesses, as well as expert witness obligations and court etiquette. The unit provides students with important theoretical knowledge in supporting clients in a civil and/or criminal forensic investigation.

### AYN456 Business and Corporations Law

Equivalent s	AYX456, AYQ456
Credit Points	12
Campus	Gardens Point,

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

As many business decisions involve consideration of business and corporate law, postgraduates with an accountancy degree should possess a functional understanding of Australia's legal system. Knowledge of business and company law will equip them with skills for professional practice as well as enhance their capacity to navigate increasingly complex business landscapes. This unit introduces students to Australia's legal environment, developing students' knowledge and understanding of core principles of law while also introducing basic research and analysis skills essential to effective decision in this space.

### AYN457 Financial Planning Principles and Regulation

Equivalent s	AYQ457
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit aims to introduce students to key financial planning processes, concepts, issues, ethics requirements, laws and regulations applicable to financial services in Australia. Introduction to financial planning areas of investments and asset allocations, taxation planning, insurance and risk



## Units

management, superannuation and retirement planning and statement of advice processes are covered. Responsibilities and obligations for licencees and their representatives are also discussed. This includes requirements pertaining to disclosure obligations for financial products and services, anti-money laundering and counter-terrorism financing (AML & CTF), privacy, statement of advice, and Tax Practitioner Board (TPB) requirements. The foundation knowledge and skills learned in this unit form the basis for further postgraduate study in the financial planning discipline.

### AYN458 Ethics and Professional Relationships

Equivalent s	AYQ458
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is designed for students intending to pursue professional careers in business, particularly accounting or financial planning, and introduces ethical issues associated with the roles of directors, executives and professionals. With a particular focus on the ethical competencies and obligations required of those providing financial advice and accounting services, the unit also specifically addresses the development of trust within professional relationships. Practical considerations regarding how to develop

effective non-verbal and verbal communication skills with clients and other stakeholders are also of continuing importance in professional contexts and are explored in this unit.

### AYN460 Accountancy Work Placement

Other requisites	An application, interview and subsequent approval by the Unit Coordinator is required to enrol in this unit. In addition to completion of the following units: AYN417 & AYN418.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit provides students with the opportunity to enhance and broaden their study of accounting by participating in a workplace experience. Students will gain insight into the work that is performed by accountants, enabling them to consolidate and apply the accounting discipline knowledge and graduate capabilities developed in units such as AYN417 and AYN418. The experiences gained in this unit will help students to appreciate the importance of graduate capabilities such as problem solving, decision making, communication, working in teams, and information and technological literacy in the accounting workplace.

### AYN505 Financial Analysis and Business Valuation

Pre-	AYN417 and AYN418 and
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requisites	EFN406
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit (traditionally called Financial Statement Analysis) is about the analysis of financial information arising primarily from the financial reports of entities. The fundamental analysis techniques that are covered in this unit are widely used in the financial sector. The unit is in essence a capstone subject that brings together areas of financial accounting, finance and strategic management. Because of the interdisciplinary nature of the unit, it is a very useful preparatory unit for the CPA, CA and CFA programs. Also, due to the applied nature and international focus of the unit, it is of interest to those contemplating careers in investment banking (particularly in equity research), security analysis, funds management, financial planning, business consulting, corporate finance and public accounting in both Australia and overseas countries. The unit also has wide application in personal financial analysis and investment activities.

### AYN506 Accounting for Strategic Decision Making

Pre-requisites	(AYN414 and AYN417) or enrolment in BS11 Accountancy major (BS11MJR-ACCOUNT)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The job of the management accountant is to provide business insight to C-suite executives to help them develop a sustainable business. This unit aims to build students' understanding of the various management control system alternatives used by management accountants to provide information to C-suite executives to help them make strategic decisions and take action. It covers leading-edge analytical tools and reports. The unit provides a critical review and deep analysis of these practices to understand important design and operational issues. Through discussion, workshops and real-life case studies, students will become more aware of and develop skills that help them design management control systems capable of building and maintaining sources of competitive advantage. The unit forms a core component of the Master of Business accounting major.

### AYN507 Governance and Accountability

Pre-requisites	AYN417 and AYN418
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The focus of this unit is on the importance of understanding corporate governance best practice to minimise incidences of fraud, bribery and corruption. Further, accountability issues surrounding ineffective governance will also be

addressed. Risk management, COBIT 5 and the current Australian IT Governance Standard will be used to demonstrate the importance of corporate governance in the digital world. Students will also be introduced to data from emerging technologies being used by board of directors and senior executives to gain intelligence and better govern the organisation. The unit will also focus on the use of emerging technologies to minimise risk and improve accountability.

### AYN520 Integrated Issues in Professional Practice

Pre-requisites	AYN417 and AYN438. AYN438 can be studied in the same teaching period as AYN520
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

One of the essential elements in the real world is the ability to solve unstructured, multi-disciplined accounting problems. This unit integrates elements of the accountancy discipline using a Problem-Based Learning (PBL) approach. The unit addresses issues faced by a professional advisor/consultant by presenting students with simulated real-world problems. These problems require students to work together in teams, research issues, gather information, and form conclusions. Students should therefore be better prepared for the various situations they will face in their accounting career.

### AYQ438 Taxation Law and Practice

Pre-requisites	AYN456
Equivalent s	AYN438
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit builds on students' previous knowledge of business and corporations law to introduce the statutory framework of the Australian taxation system. Elements in the determination of taxable income and the levying of income tax are examined including general and specific categories of assessable income and allowable deductions, capital gains tax and administration aspects of the tax system. The taxation of fringe benefits is also examined. The unit also provides a brief overview of the taxation of partnerships, trusts and companies and an overview of the goods and services tax. Emphasis is placed on developing students' skills in problem solving through research and analysis of taxation issues.

### AYQ442 Superannuation and Wealth Management

Pre-requisites	48cp of completed study in EFQ or AYQ units
Equivalent s	AYN442
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES1

Mandatory superannuation

savings combined with the expansion of superannuation fund and investment choice has also increasingly shifted investment decision-making to superannuation fund members. Superannuation has become an almost universal benefit affecting virtually every business and employee. However, the superannuation system is complex and subject to a broad range of regulation governing all facets of the operations of the superannuation industry. This unit extends students' foundational accounting and financial planning knowledge to encompass the Australian superannuation system and the regulatory framework under which it operates. Knowledge and understanding of superannuation is important to financial planning and accounting graduates, particularly if they will be involved with the provision of superannuation advice to clients or employers, administration or auditing of superannuation funds.

#### AYQ456 Business and Corporations Law

Equivalent s	AYX456, AYN456
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES2

As many business decisions involve a consideration of business and corporate law, postgraduates with an accountancy degree should possess a basic understanding of the Australian legal system,

as well as knowledge of business and company law as this will equip them with skills required for professional practice. The rationale for this unit is to introduce students to the Australian legal environment and to develop students' knowledge and understanding of the basic principles of business law and company law. Students will be encouraged to develop their research and analytical skills relevant to contemporary business and corporate practice.

#### AYQ457 Financial Planning Principles and Regulation

Equivalent s	AYN457
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES1

This unit aims to introduce students to key financial planning processes, concepts, issues, ethics requirements, laws and regulations applicable to financial services in Australia. Introduction to financial planning areas of investments and asset allocations, taxation planning, insurance and risk management, superannuation and retirement planning and statement of advice processes are covered. Responsibilities and obligations for licencees and their representatives are also discussed. This includes requirements pertaining to disclosure obligations for financial products and services, anti-money laundering and counter-terrorism financing

(AML & CTF), privacy, statement of advice, and Tax Practitioner Board (TPB) requirements. The foundation knowledge and skills learned in this unit form the basis for further postgraduate study in the financial planning discipline.

#### AYQ458 Ethics and Professional Relationships

Equivalent s	AYN458
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit is designed for students intending to pursue professional careers in business, particularly accounting or financial planning, and introduces ethical issues associated with the roles of directors, executives and professionals. With a particular focus on the ethical competencies and obligations required of those providing financial advice and accounting services, the unit also specifically addresses the development of trust within professional relationships. Practical considerations regarding how to develop effective non-verbal and verbal communication skills with clients and other stakeholders are also of continuing importance in professional contexts and are explored in this unit.

#### BEB110 Organising and Managing Project Team

Credit Points	12
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## Units

Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Project managers face a number of challenges operating in a complex project environment that is characterised by cross-cultural teams, high levels of uncertainty, and global competition for competent human resources. The successful delivery of projects requires that project managers develop basic knowledge, competency and skills to organise, lead and manage an effective project team, especially in the construction or related industry. This unit introduces key theories and concepts to assist you in developing greater insights into your own thinking and behaviour so as to increase your personal effectiveness in working with others. Case studies will be used to embed key learnings in a real-world context. This unit is part of the 'project collaboration minor' and the knowledge and skills developed are relevant to construction management and related majors.

### BEB111 Managing Project Quality

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This Project Collaboration Minor unit introduces you to the

development and implementation of strategies required to manage quality within projects. Using a problem-solving approach, the unit will also teach you how to determine quality requirements, develop a quality plan, implement quality assurance processes and use systematic review and evaluation procedures to make quality improvements in current and future projects. Quality is integral to all aspects of successful project delivery and is important in ensuring that the end-quality of all project deliverables will be 'fit for purpose' and will satisfy both internal and external customers. BEB111 unit provides you with the necessary knowledge and skills to develop a project quality management plan, perform quality audits and quality improvement activities, and expand outcomes into process improvements and ultimately organisational change.

### BEB112 Principles of Project Management

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Project Management is the overall planning, control and coordination of a project, from inception to completion, aimed at meeting a client's requirements in order to complete the project on time,

within budget and to the client's quality, safety and environmental standards. This unit introduces you to project management for the built environment, engineering or infrastructure projects, which includes an overview of the framework, processes and key knowledge areas of project management. Developing a project plan to manage the project through its life-cycle, identify and engage project stakeholders, monitor project cost, mitigating project risks and opportunities are core skills that you will need to develop to be an effective project manager. Case studies will be used to embed key learnings in a real-world context. This unit is part of the 'project collaboration minor' and the knowledge and skills developed are relevant to construction management and related majors.

### BEB113 Managing Project Cost

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Introduces the basic principles, processes, relevant techniques and methods of planning, estimating, budgeting, monitoring and controlling project costs. It provides an understanding of project costs within the broader context of project management and from the project life cycle perspective. It examines the relationships between project



cost and other project dimensions such as project scope, time/schedule, quality, procurement, and illustrates their trade-offs. The knowledge and skills developed in this unit are relevant to professional practices and those working on projects that require basic understanding of cost planning and management to prepare project cost estimates, budget, and conduct cost performance analysis so that project can be completed within the approved budget.

### BEB114 Project Financing

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

Project is growing in complexity and size. Many projects never get off the ground due to insufficient financing. It is therefore necessary for project managers to know the sources and cost of project finance in order to package a financially viable project for approval. This unit is part of the Project Collaboration minor. This unit provides you with the understanding of the main features of project finance and apply it in the project management environment.

### BEB801 Project 1

Equivalent s	CEB411, CEB420, CNB434, EEB781-1, EEB889-1
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b>

- XCH-1, XCH-2

Research Project 1 and 2 are the capstone research units for the Bachelor of Engineering (Honours) degree that draws together the theory and practice of your engineering studies covered in the previous six semesters of the program. You will identify an Engineering challenge and apply your knowledge to carry out a comprehensive, independent project to address the challenge using a rigorous research framework. The purpose of these units is to prepare you for your transition to the professional world or to further research studies. BEB801 as the first of the project units, introduces research methods and report writing.

### BEB802 Project 2

Equivalent s	CEB415, EEB782-2, EEB889-2
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Research Project 1 and 2 are the capstone research units for the Bachelor of Engineering (Honours) degree that draws together the theory and practice of your engineering studies covered in the previous six semesters of the program. You will identify an Engineering challenge and apply your knowledge to carry out a comprehensive, independent project to address the challenge using a rigorous

research framework. The purpose of these units is to prepare you for your transition to the professional world or to further research studies. BEB802 as the second of the projects is a culmination of the student's research into a professional style report.

### BEB806 Project 1

Equivalent s	CEB411, CEB420, CNB434, EEB781-1, EEB889-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Research Project 1 and 2 are the capstone research units for the Bachelor of Engineering (Honours) degree that draws together the theory and practice of your engineering studies covered in the previous six semesters of the program. You will identify an Engineering challenge and apply your knowledge to carry out a comprehensive, independent project to address the challenge using a rigorous research framework. The purpose of these units is to prepare you for your transition to the professional world or to further research studies. BEB801 as the first of the project units, introduces research methods and report writing.

### BEB807 Project 2

Equivalent s	CEB415, EEB782-2, EEB889-2
Credit Points	12
Campus	Gardens Point

## Units

Availabilities	<b>Gardens Point</b> - SEM-2
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Research Project 1 and 2 are the capstone research units for the Bachelor of Engineering (Honours) degree that draws together the theory and practice of your engineering studies covered in the previous six semesters of the program. You will identify an Engineering challenge and apply your knowledge to carry out a comprehensive, independent project to address the challenge using a rigorous research framework. The purpose of these units is to prepare you for your transition to the professional world or to further research studies. BEB802 as the second of the projects is a culmination of the student's research into a professional style report.

### BSB009 Experiential Learning: Innovation, Ideas and Enterprise Skills

Pre-requisites	48cp of completed undergraduate study
Other requisites	Participation in approved innovation, industry engagement, entrepreneurship, or social enterprise activity of 50 hours or more.
Assumed Knowledge	Enrolment in this unit requires completion of 96 credit points of approved study including four or more of the Business Core Units.
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1

Students have many opportunities to undertake activities such as start-up

weekends, innovation sprints, social enterprises, industry or community engagement. The unit supports students in bringing more meaning to these opportunities, through connecting with their course and career ambitions.

### BSB110 Accounting

Anti-requisites	CNB293, UDB342
Equivalent s	BSD110, BSX110, CTB110
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - XCH-1, XCH-2

Accounting data is the basis for decision making in any organisation, making it important for any business professional to have a foundational level of knowledge and understanding of modern financial and managerial accounting theory and practice. Accordingly, this unit provides students with introductory knowledge of modern financial and managerial accounting theory and practice to develop an understanding of how accounting data is used to inform decisions in organisations. The unit covers financial procedures and reporting for business entities, analysis and interpretation of financial statements, planning, control and business decision making. The knowledge and skills developed in this introductory unit are relevant to students in accounting and non-accounting majors.

### BSB111 Business Law and Ethics

Anti-requisites	AYB120, LLB101, LLB202, LWB136, LWB145, LWS012, UDB102
Equivalent s	BSX111, BSD111
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This foundational unit is designed to prepare students to conduct business within the Australian legal environment and emphasises the need for the business leaders of tomorrow to act in accordance with society's ethical standards. It incorporates the concepts and principles of business law with the theories and applications of business ethics to provide students with an understanding of laws and ethical standards applicable to business decisions. The unit addresses specific legal issues that relate to business, including business structures, contract law, consumer law and negligence. These issues are pertinent regardless the specific field of business being studied and inform a broad set of professional contexts. Through use of statute, case law and ethical principles, students will develop the ability to apply the law to different scenarios, and develop moral reasoning and problem solving skills in relation to contemporary ethical issues.

**BSB113 Economics**

Equivalent s	BSD113, BSX113, CTB113, UDB104
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - XCH-1, XCH-2

Economics is the study of how to best use and distribute scarce resources to meet our needs and wants by looking at how people make decisions and the interaction of individuals in markets.

Economics examines the role of government in either obstructing or improving market outcomes and the effect of those decisions on the well-being of society.

Economics also studies the economy as a whole and key issues explored in this unit include economic growth, inflation, unemployment and international trade. In studying these issues economists can understand how to manage the economy for the good of its citizens. In this unit students develop an understanding of the key principles and tools that economists use to interpret and critically analyse economic policies that impact on Australia and the global economy.

**BSB115 Management**

Equivalent s	BSD115, BSX115
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b>

- XCH-1, XCH-2

An ability to understand the basic functions of management and apply that knowledge to contemporary practice are key skills for competent business professionals and informed, effective managers. This unit provides insights into current business issues and practices using real world cases and practitioner readings. The unit introduces students to foundational theories and practices of management and organisations, with an emphasis on the conceptual and people skills that are needed in all areas of management and organisational life. The unit acknowledges that organisations exist in an increasingly competitive environment where the emphasis will be on knowledge and the ability to learn, change and innovate. Organisations are viewed from individual, group, corporate and external environmental perspectives, and the unit provides a foundation for students studying business or wishing to understand more thoroughly the role of organisations within society.

**BSB119 Global Business**

Anti-requisites	BSB116, BSB112
Equivalent s	BSD119, BSX119, CTB119
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - XCH-1, XCH-2

Globalisation is the development of interdependency among organisations and individuals in different country markets. This unit examines the drivers of globalisation and the diversity of country markets at a foundational level, introducing key knowledge and skills for operating businesses effectively in global contexts and responding to the opportunities, challenges and risks of conducting business across politically, economically and culturally diverse environments. In this unit you will develop a comprehension of the nature and role of globalisation and the drivers of international business, and knowledge of the competitive forces and challenges confronting business as a consequence of globalisation. You will gain an awareness of the unique knowledge and skills required of management to operate business internationally across diverse contexts, which will inform future studies in this field.

**BSB123 Data Analysis**

Anti-requisites	BSB122, CTB122, EFB101, LQB284, MAB101, MAB141, MAB233, MXB101, MXB107
Equivalent s	BSX123, PYB110
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

The ability to collect, analyse, manipulate, understand and



report data effectively is important in any work environment. This is particularly true in business where learning to deal with randomness, variation and uncertainty is a vital skill for anyone applying their knowledge to inform business decisions. This introductory unit is designed to ensure that students gain an appreciation of the basic tools necessary to develop and apply this skill set. It introduces the fundamental concepts and statistical methods for data analysis, and students will learn about different types and sources of data, and techniques for displaying and analysing data to make business decisions. Students will gain practical data manipulation skills using Microsoft Excel, and practise many of the quantitative techniques applicable to all disciplines, which will be used throughout their further studies.

**BSB126 Marketing**

Anti-requisites	BSB116
Equivalent s	BSD126, BSX126, CTB126
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - XCH-1, XCH-2

To operate successfully and profitably in today's competitive marketplace, business operators need to apply marketing principles and concepts. Survival and growth depend very much on understanding customer

needs, as well as the marketing environment in which they compete. BSB126 Marketing introduces students to key marketing strategies and tactics in order to adapt and respond to a continuously changing marketplace. The elements of the marketing mix are explored with special reference to product, price, distribution and promotion, and key issues relating to services marketing, e-marketing and strategic marketing are canvassed. The unit also introduces students to the related disciplines of advertising and public relations, and provides a broad grounding in marketing practice that is relevant for all business disciplines.

**BSB302 Project 2**

Credit Points	24
Campus	External
Availabiliti es	<b>External</b> - XCH-1

**BSB304 Project**

Other requisites	Subject to Unit Coordinator approval and 96 credit points of prior studies.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

This unit provides an opportunity for students to focus in greater depth on a selected topic that is significant to their professional development. In addition to providing greater depth of

knowledge the project will also develop independent learning skills and the ability to be self motivated and innovative in developing and completing a specifically designed and approved area of study. The unit is designed to provide a valuable practical and specific element to a student's professional portfolio, which can provide a competitive edge in the labour market.

**BSB399 Real World Ready - Business Capstone**

Pre-requisites	Completion of 192cp of study
Anti-requisites	BSB124
Equivalent s	BSX124, BSD124
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2

Everything in the professional world is centred on working with and through other people. This capstone unit enables students to develop and refine their professional skills and experience working in an interdisciplinary team to develop experience in applying structured problem solving techniques. Integrating and extending professional practice knowledge and skills gained in earlier units, students will develop a critical understanding of their personal and professional strengths and limitations in working individually, with peers, and with industry professionals. Students will be guided to apply the discipline knowledge and professional skills gained



throughout their university studies to a real-world project for an industry client. This unit supports students to develop their professional identity, and enables students to develop and demonstrate their capabilities for working professionally in teams to develop solutions for real world problems.

**BSD110 Accounting**

Equivalent s	BSB110
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Accounting data is the basis for decision making in any organisation. Accordingly, it is important for any business professional to have a basic level of knowledge and understanding of modern financial and managerial accounting theory and practice.

**BSD111 Business Law and Ethics**

Anti-requisites	AYB120, LLB101, LLB202, LWB136, LWB145 and UDB102
Equivalent s	BSB111
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

BSD111 introduces students to the Australian legal environment. It incorporates the concepts and principles of business law with the theories and applications of business ethics to provide students with an understanding of laws and

ethical standards applicable to business decisions. The unit addresses specific legal issues that relate to business, including business structures, contract law, consumer law and negligence. These issues are relevant regardless the specific field of business being studied and inform a broad set of professional contexts.

**BSD113 Economics**

Anti-requisites	UDB104
Equivalent s	BSB113
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

All economic questions arise because we want more than we can get. Wants are infinite and resources to achieve those wants are scarce. Economics is the study of how best to use and distribute scarce resources to meet our needs and wants. Economists look at how people make decisions and the interaction of individuals in markets as a way of distributing those scarce resources. Sometimes markets work and sometimes they do not. Economics examines the role of government in either obstructing or improving market outcomes and the effect of those decisions on the well being of society. Economics also studies the economy as a whole and key topics include economic growth, inflation, unemployment and international trade. In studying these issues economists can

understand how to manage the economy for the good of its citizens.

**BSD115 Management**

Equivalent s	BSB115
Credit Points	12
Campus	Kelvin Grove and Online
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

An ability to understand the basic functions of management and apply that knowledge to contemporary practice is a key aspect of developing competent business professionals with the skills necessary to become informed and effective managers. The unit introduces students to foundational theories and practices of management and organisations, with an emphasis on the conceptual and people skills that are needed in all areas of management and organisational life. The unit acknowledges that organisations exist in an increasingly competitive environment where the emphasis will be on knowledge and the ability to learn, change and innovate. The unit provides practical insight into current business issues and practices and provides a solid foundation for students who wish to further their studies in business and management or who simply wish to understand more thoroughly the role of organisations within society.

**BSD119 Global Business**

Equivalent s	BSB119
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Globalisation is the development of interdependency among organisations and individuals in different country markets. The development of skills and understanding to identify and respond to the opportunities, challenges and risks of conducting business across politically, economically and culturally diverse environments is important for individuals and businesses to succeed in this dynamic globalised business environment.

**BSD126 Marketing**

Equivalent s	BSB126
Credit Points	12
Campus	Kelvin Grove and Online
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

To operate successfully and profitably in today's competitive marketplace, business operators need to apply marketing principles and concepts. More and more firms are finding that survival and growth depends very much on understanding customer needs, as well as the marketing environment in which they compete/operate. BSD126 Marketing introduces you to the key foundations of marketing strategies and tactics in order to adapt and

respond to a continuously changing marketplace. The elements of the marketing mix are explored with special reference to product, price, distribution and promotion, and key issues relating to services marketing, e-marketing and strategic marketing are canvassed. The unit also introduces you to the related disciplines of advertising and public relations, and provides a broad grounding in marketing practice that is relevant for all business disciplines.

**BSN005 Introduction to Academic Research**

Other requisites	Subject to Course Coordinator Approval: 240 credit points of UG study with a GPA of 5.5>; pre-approval of Course Coordinator; subject to supervisor availability and completion of an agreed learning contract.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

**BSN404 Project 1**

Anti-requisites	MKN101, MKN102, MKN103
Equivalent s	BSX404
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM

BSN404 is an applied research unit. The student selects a topic which they have identified as significant to their professional development and they are expected to spend ten

hours per week over the teaching period on completing the project on this topic. The primary purpose of the unit is to augment or extend your professional knowledge beyond classroom instruction, to develop applied research skills, to integrate learning with work, and provide an opportunity for self directed learning. In order to achieve these purposes, you will develop an individually tailored learning contract. The specific program of study will be developed in conjunction with and approved by the academic supervisor.

**BSN405 Project 2**

Anti-requisites	MKN101, MKN102, MKN104
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM

BSN405 is an applied project unit. The student selects a topic which they have identified as significant to their professional development and is expected to spend ten hours per week over the teaching period on completing the project on this topic. The primary purpose of the unit is to augment or extend your professional knowledge beyond classroom instruction, to develop applied research skills, to integrate learning with work, and provide an opportunity for self directed learning. In order to achieve these purposes, you will develop an individually tailored learning contract. The specific program of study will be

## Units

developed in conjunction with and approved by the academic supervisor.

### BSN406 Project 3

Equivalent s	BSX406
Credit Points	24
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM <b>External</b> - XCH-1, XCH-2

BSN406 is an applied project unit. The student selects a topic which they have identified as significant to their professional development and is expected to spend twenty hours per week over the teaching period on completing the project on this topic. The primary purpose of the unit is to augment or extend your professional knowledge beyond classroom instruction, to develop applied research skills, to integrate learning with work, and provide an opportunity for self directed learning. In order to achieve these purposes, you will develop an individually tailored learning contract. The specific program of study will be developed in conjunction with and approved by the academic supervisor.

### BSN409 Research Project

Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

### BSN412 Qualitative Research and Analytical Techniques

Anti-requisites	CON500
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The increasing availability of unstructured data in research and business settings increasingly requires that managers have an understanding of the nature of qualitative data, the conduct of qualitative studies and the methods to collect and analyse qualitative data.

### BSN413 Experiential Learning Project

Pre-requisites	48cp of completed postgraduate study
Other requisites	Participation in approved innovation, industry engagement, entrepreneurship, or social enterprise activity of 50 hours or more.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Students have many opportunities to undertake activities such as entrepreneurial learning opportunities, start-up weekends, innovation sprints, social enterprises, industry or community engagement. The unit supports students in bringing more meaning to these opportunities, through connecting with their course and career ambitions.

### BSN414 Quantitative Research Methods

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is designed to give students an introduction to a range of quantitative research methods and their application to different research questions and types of quantitative data.

### BSN501 Dissertation

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

BSN501-(1-4) are the dissertation units for Higher Degree Research (HDR) students to write their thesis. Dissertation requirements are to be agreed with the academic supervisory team in accordance with scheduled HDR student milestones.

### BSN501 Dissertation

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

BSN501-(1-4) are the dissertation units for Higher Degree Research (HDR) students to write their thesis. Dissertation requirements are to be agreed with the academic supervisory team in accordance with scheduled HDR student milestones.

### BSN501 Dissertation

Credit Points	12
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## Units

Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

BSN501-(1-4) are the dissertation units for Higher Degree Research (HDR) students to write their thesis. Dissertation requirements are to be agreed with the academic supervisory team in accordance with scheduled HDR student milestones.

### BSN501 Dissertation

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

BSN501-(1-4) are the dissertation units for Higher Degree Research (HDR) students to write their thesis. Dissertation requirements are to be agreed with the academic supervisory team in accordance with scheduled HDR student milestones.

### BSN502 Research Methodology

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

BSN502 is designed to assist postgraduate research students to understand and deploy the fundamentals of research methodology. It is designed as a companion unit to Research Seminar, Quantitative Research Methods and Qualitative Research and Analytical Techniques. Through lecture content, workshop activities and additional readings you will establish the fundamental

building blocks for planning and designing your own research and for evaluating the research of others.

### BSN503 Research Seminar

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is designed to assist students in the preparation of a research proposal. It is intended that this exercise will provide a basis for future writing tasks required of students during their candidature (such as formal course milestones and the final thesis).

### BVB101 Foundations of Biology

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Biology is the study of living things. But what is "living"? Cells are considered the basic structural unit of life, existing in diverse forms from simple single-celled microbes to complex multicellular organisms such as plants and animals. Using collaborative approaches in workshops and the laboratory you will investigate the diverse nature of cells and consider how they are built and powered and how they interact and reproduce. You will use the concepts developed in this unit to discuss more complex questions such as "are viruses

alive" and "can we synthesise life?"

### BVB102 Evolution

Anti-requisites	NQB422
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Studying Evolution provides students with the fundamental basis for understanding biological patterns and processes from data sources spanning research from genomes to ecology and fossils. As stated by the famous biologist, Theodosius Dobzhansky (1973), "nothing in biology makes sense except in the light of evolution". Evolution gives an overview of the nature of inheritance, biological variation, natural & sexual selection, adaptation and how these underpin biological diversity and the distributions of all species, both extinct and extant. The primary aim of the unit is to provide the context for you to be able to interpret any biological observation in an evolutionary framework in fields as diverse as conservation and medical genetics. As a foundational unit, knowledge and skills that you gain will be built upon in subsequent units in the biology major as well as in Wildlife Ecology, Environmental Science and Biotechnology & Genetics minors.



## Units

### BVB201 Biological Processes

Pre-requisites	BVB101 or SCB112
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

An understanding of processes which occur at the cellular level is fundamental to all aspects of biology. Using a combination of theoretical and laboratory-based approaches to enquiry you will explore the biochemical pathways and processes that facilitate biological function and the genetic mechanisms that control them.

### BVB202 Experimental Design and Quantitative Methods

Pre-requisites	SEB113 or MAB101 or MAB141 or MXB101
Equivalent s	NQB421
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The skills to design, carry out, analyse and interpret experiments are fundamental for scientists. This is particularly important for students of biology and environmental science since environmental variability is an inherent element of the systems that they will need to understand. This unit builds on first year knowledge of the theory of science and the scientific method developed in

first year. With field trips it provides real world experience in problem assessment, formulation of testable hypotheses, and experimental design. These critical skills are used and further developed in later units.

### BVB203 Plant Biology

Pre-requisites	BVB101 and BVB102 and BVB201
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This is a foundational plant biology unit addressing the core concepts of plant function, including structural, physiological and molecular aspects, from the cell to the whole plant. This subject will outline and teach the skills required for measuring and monitoring plant function and an appreciation of how they are influenced by the environment and applied by industry. It introduces the fundamentals of plant physiology, biochemistry and molecular biology in such a way to enable you to understand how plants grow, develop and interact with their environment, and will also be valuable for lifelong appreciation of the potential of agriculture and its contribution to industry and humanity.

### BVB204 Ecology

Pre-requisites	BVB101 or BVB102 or EVB102 or SCB112
Equivalent s	NQB321
Credit Points	12
Campus	Gardens Point, EXCHANGE and External

Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2
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Ecology is the study of the factors and interactions that influence the distribution and abundance of organisms. It is a key component of biology and is central to managing species and ecosystems. This unit examines the major concepts of ecology and develops the conceptual foundation for later subjects in the biology major and minors.

### BVB212 Drug Action

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Introduction to the classification of bioactive compounds according to the various physiological systems they influence, such as the cardiovascular system, nervous system and respiratory system. The principles of drug action will be discussed, including the concepts of drug specificity, potency and efficacy. These principles will facilitate a basic understanding of toxicology, the development of drug tolerance, addiction and withdrawal. Taught in the context human and veterinary medicine, as well as the use of drugs in sport, as poisons, or as food or environmental contaminants, it complements 'Drug Discovery and Design' offered in the same semester. The way in which chemical

compounds affect biological cells and systems is fundamental to the study of medicines and toxins. The pharmaceutical, nutraceutical and pesticide industries are major economic forces which offer significant employment opportunities in science.

### BVB214 Vertebrate Life

Pre-requisites	BVB101 or BVB102 or EVB102 or SCB112
Equivalent s	NQB423
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Vertebrates are often the focus of conservation campaigns and environmental impact assessments. Thus, any graduate wishing to pursue a career that involves the biological or environmental sciences must have a deep knowledge of this charismatic group of animals, which includes our most recent ancestors and us. The aim of this unit is for you to gain a deeper understanding of vertebrate evolution, morphology, taxonomy, physiology and ecology through a series of lectures, practicals and field work. The unit will cover evolution of the major groups of vertebrates, considering the fossil record and plausible explanations for major changes such as 'mass extinctions'. Taxonomy and systematics of the group will be introduced. Physiological systems will be described and

consideration given to how they work and operate in an integrated manner. This mid-level unit will give you skills relevant to the biology major, wildlife ecology minor and environmental science major.

### BVB221 Nature's Pharmacy

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Fundamental concepts and practical skills relevant to plant medicinal biology, chemistry, biochemistry, and pharmacology. It introduces the general classes of medicinal plant compounds, their biosynthesis and function in plants, their purification and analysis, and clinical applications. The unit introduces the pharmacology of specific plant-derived compounds, thereby building upon the knowledge of drug action developed in BVB212. It provides a deeper understanding of the broader technical, social, cultural, and legal challenges in the transition from discovery to application via focused evaluation of existing/emerging global health challenges. The ability to critically evaluate scientific literature, synthesise information, and write effectively is further developed in this unit. This unit develops a broad range of knowledge and practical skills of direct relevance to the pharmaceutical sector, as well as natural product chemistry, plant science, botany, and

allied health.

### BVB225 Ecosystems and Biodiversity

Pre-requisites	BVB101 or BVB102 or EVB102 or BZB210
Anti-requisites	BVB223, BVB224
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

There are over one million species catalogued, and several million yet to be described. Familiarity with biological diversity and the role species play within ecosystems is central to biological and evolutionary research, and for developing solutions to sustain the environmental health of our planet. Australia has a largely unique flora and fauna, with a very high proportion of our plant and animal species found nowhere else. While it is impossible to cover every Australian plant and animal in a single unit, we will introduce some key elements of that diversity, with a focus on terrestrial ecosystems and the plants, insects and mammals which occur in them. For students enrolled in biology and environmental science majors this unit provides foundational knowledge for subsequent units such as ecology and environmental monitoring; while for education majors the skills gained in creating collections forms a basis for teaching biology in both primary and secondary school.

**BVB301 Animal Biology**

Pre-requisites	BVB101 or BVB214 or BZB210
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

An understanding of animal physiology is fundamental to studying the way that animals grow, develop, reproduce and respond to their environments. This unit has a focus on vertebrate physiology, but will include elements of invertebrate physiology. The unit builds on earlier studies of cells and genes, to explain how the animal functions as a whole, and how different animals have evolved different senses and diverse physiological systems to cope with different environments. Finally, the unit will consider the relationship between animals and humans, placing the topic in a broader societal context. This knowledge will be useful to biology educators and those who wish to pursue further animal studies or research in wildlife, domestic, or companion animals.

**BVB304 Integrative Biology**

Pre-requisites	BVB202 and BVB203 and BVB301
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This Capstone unit requires you to think critically about an

important problem in biological sciences and to integrate the knowledge gained through earlier units to provide an effective solution. You will conduct a research project, applying your knowledge of quantitative techniques and experimental design, to answer a specific challenge. Through critical analysis and reflection on your work and that of your peers, you will gain a deeper understanding of the scientific method and will become confident in applying it. The unit will provide a foundation for future Honours studies, or higher degree research.

**BVB305 Microbiology and the Environment**

Pre-requisites	BVB201
Credit Points	12
Campus	Gardens Point and EXCHANGE
Availabilities	<b>Gardens Point</b> - SEM-1 <b>XCH</b> - XCH-1, XCH-2

The biology, evolution and ecology of microorganisms underpin critical, complex and, sometimes, harmful processes in almost every environment on earth, from oceanic vents to the animal gut, in the roots of plants and the health of soil, and even in your shower head. These fundamental biological processes are a rich resource for cutting-edge research and applications of biotechnology. You will conduct original laboratory research and desktop analyses to explore, evaluate and communicate insights into core concepts in microbiology, their

functional interactions in the environment, and their exploitation in agriculture, industry and the built environment. Through this, you will build skills in project planning, design, conduct, analysis and communication to address real world applications and prepare you for a key area of post-graduate employment.

**BVB311 Conservation Biology**

Pre-requisites	BVB204
Equivalent s	NQB622
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The theory and practice of conservation biology is essential for maintaining viable populations of rare and threatened species and for maintaining essential ecosystem processes. In this unit, you will synthesise a diverse range of information including high quality scientific literature, apply field skills in biodiversity monitoring and prepare written reports that provide an incisive and decisive analysis of key conservation issues. Specific modules will train you to critically analyse the link, or lack of, between theory and application in current conservation management approaches. Scientific methods will be used to develop problem-recognition and problem-solving skills through fieldwork, data collection,



analysis and reporting. This advanced unit is essential for anyone wanting to work in areas of wildlife management and conservation.

### BVB313 Population Genetics and Molecular Ecology

Pre-requisites	BVB204
Equivalent s	NQB521
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Understanding the dispersal and movement of genes in populations is fundamental to the management of invasive species, the management of fisheries and wild resources and the conservation of rare species. This unit will provide the theoretical and practical training required for practicing ecologists to use genetic techniques in theoretical and applied settings. The skills learnt in this unit will be further developed in later units of both the Genetics and Genomics and Applied Ecology minors.

### BVB317 Principles of Genomics and Biotechnology

Pre-requisites	BVB101
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit will introduce students to the basic principles, core

concepts and processes that underpin the topics of genomics and biotechnology. The cutting-edge innovations arising from these rapidly emerging and evolving areas have, and will continue to, transform and shape the world we live in with global impacts in human health, agriculture and the environment. The unit will build on the basic cell and molecular biology skills acquired in BVB101 and further develop theoretical knowledge and practical expertise in the cellular and molecular processes and techniques that are used to manipulate and exploit organisms (microbes, animals and plants). Recent technological advances such as gene editing will also be covered in addition to important issues such as regulation and commercialisation of biotechnology process and products. The biotechnology industry is growing rapidly and graduate employment in this sector is expected to be in high demand.

### BVB321 Invasion Ecology

Pre-requisites	BVB202 and BVB204
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Invasive species cause substantial and costly negative effects to native ecosystems and threaten food security. An understanding of the ecological processes by which they are introduced, establish and spread in new regions is essential for their control.

Invasive species are now so widespread that they will be encountered in some way in a wide range of careers in ecology and environmental science. Similarly, while pest species are typically dealt with within agro-ecosystems, managing and reducing large populations in a sustainable manner requires science and sophistication, and often similar ecological principles to dealing with invasive species. Integrating and extending work introduced in earlier units, you will learn the skills and concepts that are necessary to understand, analyse and manage pests and invasive species, and the processes of biological invasion.

### BVB328 Applications in Biotechnology

Pre-requisites	BVB317 or BVB201
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Biotechnology is the area of research and development using biological and cellular systems to produce many kinds of products that are used in different applications during everyday household living, at research institutions/organizations, as well as in different biotechnological companies and industries. Some specific examples of products and applications in Biotechnology include the use of yeast for dough rising (leavening) during bread making, using yeast in the fermentation and



production of alcohol, use of filamentous fungi to produce enzymes that hydrolyse woody biomass to fermentable sugars, use of enzymes in laundry detergents, use of bacteria or animal cell cultures to produce proteins/antibodies for diagnostic kits in disease monitoring and control, application of genetic manipulation, recombinant gene technology and biochemical pathway engineering to obtain better producing/performing microorganisms and animal cell cultures.

### BVB330 Synthetic Genomics

Pre-requisites	BVB317
Anti-requisites	BVB314, BVB327
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

With advances in DNA sequencing technologies, scientists are focusing more on analysing genomic DNA sequence information to explore and understand biological diversity and DNA modifications, improve agricultural practices, develop better drugs, and understand the genetic basis of disease. With the application of Recombinant gene technology and Synthetic biology, researchers can modify genes and genomes to create improved or better performing organisms to produce a target bioproduct, including whole cells, enzymes or metabolites. In this unit you will

study fundamental and applied aspects of genome features, modifications and manipulation of genes and genomes and will be introduced to bioinformatic tools to analyse genomes for database mining, gene discovery and functional genomics. You will apply this knowledge to develop advanced data analysis skills, to carry out laboratory-based genetics and to edit and design synthetic genes and genomic pathways to solve biological problems.

### BZB210 Biological Sciences

Anti-requisites	BVB101
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Cells are the basic structural unit of life. They exist in diverse forms from simple single-celled microbes to complex multicellular organisms such as plants and animals. In this unit you will investigate the diverse nature of cells and consider how they are built and powered and how they interact and reproduce. You will extend these foundation concepts to examine more complex problems involving molecular biology, plant and animal biology, and ecology.

### CAB201 Programming Principles

Pre-requisites	IFB104 or ITD104 or MZB126 or EGD126 or ENB246 or MXB103 or INB104 or MAB220
Anti-requisites	ITD121
Equivalent	INB270, IND270

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit builds on the gentle introduction to programming provided in IFB104 or MZB126. In those units students learn how algorithms are constructed by combining the logical structures of Sequence, Selection and Iteration. Students also learn how functions can be used to abstract and reuse sections of code. These concepts are reinforced in this unit and extended with additional applications of abstraction necessary to combat complexity when building larger systems. Object-oriented principles are introduced where the program is structured around classes of objects that are identified from the real-world providing a high-level architecture that is better able to stand the test of time as requirements evolve throughout the lifetime of the system. This unit provides the foundation for the other more advanced and specialized programming units.

### CAB202 Microprocessors and Digital Systems

Pre-requisites	((IFB104 or ITD104) and (IFB102 or INB102 or ITD102)) or ENB240 or MZB126 or EGD126
Equivalent	ENB244
Credit Points	12
Campus	Gardens Point,

## Units

	EXCHANGE and External
Availability	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces you to the components inside a computer and how these components work together. The design and development of modern digital electronic systems requires a knowledge of the hardware and software to program the system. This unit identifies design requirements and lets you develop embedded microcontroller-based system solutions. Practical laboratory exercises progressively expose features of a typical microprocessor; and explain how an embedded computer can interact with its environment. This provides a valuable foundation for further studies in areas such as robotics and networking.

### CAB203 Discrete Structures

Pre-requisites	IFB104 or ITD104 or MZB126 or EGD126
Equivalents	INB250
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availability	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

In trying to solve complex problems, a powerful approach is transform the problem into a simpler model by abstracting away some of the less important details. Once in this more abstract form, powerful mathematical techniques (developed over centuries) can be brought to bear. For

computing related problems, the most relevant mathematical concepts and techniques come from the field of discrete mathematics, and include arithmetic, logic, set theory, graph theory and functions. This unit demonstrates how these mathematical concepts and techniques can be used to model and solve many real-world problems. The unit also supports subsequent units: CAB301 where algorithms involving graphs are introduced and CAB402 where the mathematical notion of a function provides the basis for alternative programming paradigms.

### CAB210 People Context and Technology

Pre-requisites	IFB103 or INB103 or ITD103 or INB182 or EGB100 or ENB100
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availability	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is a human-computer interaction unit focussed on user experience research to inform the implementation of interactive technologies, like mobile applications, web services and games. It introduces user experience methods to study people's needs in a real-world context, and to evaluate the usability and experience with technologies. This unit is important to inform the design and development of technologies that meet the needs of people who are going

to use them and the context within which they will be used. A stronger understanding of people, context and technology will provide students with an edge in the market place for jobs such as interaction designers, usability engineers, game designers, app developers, information architects, and user experience designers. This unit builds on the design thinking skills developed in IFB103, and it provides the foundation for advanced interaction design skills through unit CAB310.

### CAB220 Fundamentals of Data Science

Pre-requisites	(CAB201 or ITD121) and (MZB151 or any MXB unit)
Credit Points	12
Campus	Gardens Point
Availability	<b>Gardens Point</b> - SEM-2

Data is becoming central to every organization's decision making process, and the demand for data savvy modelers and software engineers is rapidly increasing. Modern computational approaches to data analysis have to enable users to acquire, manage, interpret, present and disseminate large volumes of heterogeneous data. Data science is a synthesis of statistics, mathematics, machine learning and computer science, and uses tools, techniques, and approaches from all of these fields to extract information from datasets. This unit will introduce you to a wide range of Data Science methods and theories to model and analyze

data.

### CAB230 Web Computing

Pre-requisites	IFB104 or ITD104 or MZB126 or EGD126
Equivalent s	INB271
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The World Wide Web is the most important platform for software systems and an integral part of modern life. Many companies owe their existence to the web, through applications deployed over the Internet using web protocols. All IT professionals require a good understanding of the web and its architecture, especially software developers and those tasked with maintaining and implementing web-based software systems. This unit is a technical introduction to modern web computing. You will design and implement clean and responsive user interfaces, taking account of accessibility and internationalisation. We will provide an introduction to JavaScript and you will use it throughout the semester, gaining practical experience with HTML, CSS and frameworks such as React on the client side, and node.js, Express and the node ecosystem on the server side. You will understand security threats and their mitigation and gain practical experience deploying an internet facing web server using HTTPS.

### CAB240 Information Security

Equivalent s	INB255
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Cybersecurity breaches, from database hacking to malware campaigns, are increasing. The interconnectedness of information systems means actions of individuals may impact on others on a global scale. This unit is important in developing an understanding of the challenges involved in protecting information, introducing essential information security concepts. Security goals including confidentiality, integrity, availability, authentication and non-repudiation are defined. Threats to information and vulnerabilities that could be exploited are identified. Technical and non-technical measures to provide security for information are discussed in areas including access control, cryptography, and network communications. Security management standards and guidelines on best practice implementation are reviewed. You can take this unit as a stand-alone course to raise your information security awareness, or as a pathway into information security units, including network security and cryptography.

### CAB301 Algorithms and Complexity

Pre-requisites	(CAB201 or ITD121)
Equivalent s	INB371
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit teaches you the fundamental principles used to assess the efficiency of software algorithms, allowing you to distinguish solutions that can process large amounts of data or perform complex calculations effectively from those that run unacceptably slowly or not at all. In this unit you will examine a range of different algorithm types, review the principles used to predict their efficiency and perform empirical measurements of specific algorithms to confirm the theoretical predictions.

### CAB302 Software Development

Pre-requisites	CAB201 or INB270 or ITD121
Equivalent s	INB370
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit teaches you how to work effectively in a team to develop large-scale software systems. It includes principles of teamwork, modern software development methodologies

and tools that are needed when working in a team on a large project.

### CAB303 Networks

Pre-requisites	IFB102 or ITD102
Equivalent s	INB251
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Building on your digital systems knowledge, you will be introduced to practical and theoretical knowledge on a wide range of modern networking topics to be able to design, implement and maintain network-based applications. You will participate in practical networking exercises to provide hands-on experience with network-based computing.

### CAB310 Interaction and Experience Design

Pre-requisites	CAB210
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is an advanced human-computer interaction unit focussed on the design and evaluation of emerging technologies for human use. Emerging technologies like robots, machine learning, and Internet of Things devices have the potential to disrupt how we

work and live. Based on interaction design theories and methods, this unit focusses on how we design, prototype, and study how people experience such emerging technologies. Understanding how to design emerging technologies for human use will give students an edge in the market place for jobs as user experience professionals, IT developers, and interaction designers. The theories and methods introduced in this unit prepare students for a career in human-computer interaction research and development. This unit builds on design thinking skills from unit IFB103 and user experience research skills from unit CAB210 to design experiences with emerging technologies.

### CAB320 Artificial Intelligence

Pre-requisites	(INB270 or CAB201 or ITD121 or CAB202) and (MZB151 or ENB246 or MZB126 or EGD126 or MXB103)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This foundational unit introduces the basics of Artificial Intelligence (AI) ranging from Intelligent Search techniques to Machine Learning. AI strives to build intelligent entities as well as understand them. AI has produced many significant products; from AI chess champions to state of the art schedulers and planners. This

unit introduces state representations, techniques and architectures used to build intelligent systems. It covers topics such as heuristic search, machine learning (including deep neural networks) and probabilistic reasoning. The ability to formalise a given problem in the language/framework of relevant AI methods (for examples, a search problem, a planning problem, a classification problem, etc) and understand a fast evolving field is a requirement for a range of graduate entry software engineer positions. This unit lays the foundations for further studies in Games, Robotics, Pattern Recognition, Information Retrieval, Data Mining and Intelligent Web Agents.

### CAB340 Cryptography

Pre-requisites	CAB203 or MXB102
Anti-requisites	INB355
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Proliferation of Internet technology allows users to access information and services from everywhere at anytime. Unfortunately, the price users have to pay is an increased risk that their sensitive information is going to be intercepted by an adversary who may use it and violate users' privacy or/and to impersonate them. This unit



investigates advanced topics in Cryptography. It exposes students to tools that can be used to provide security in increasingly insecure Internet environment.

### CAB401 High Performance and Parallel Computing

Pre-requisites	CAB301 or IFN505 or IFN564
Equivalent s	INB375
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1

Building on your skills in "sequential" programming, this unit teaches you the tools and techniques needed to exploit multi-processor computer systems to achieve dramatic performance improvements for computationally intensive problems. This unit gives you both an understanding of why future computer hardware will be increasingly parallel, the challenges this poses for software development as well as a set of practical skills in creating high-performance programs using today's best tools and techniques.

### CAB402 Programming Paradigms

Pre-requisites	(CAB201 or ITD121) and CAB203
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This advanced unit exposes you to special-purpose programming languages that operate under different paradigms than the conventional "imperative" languages you have used in the course so far. This unit will expose you to new ways of thinking about and expressing software solutions, exploring advanced programming language constructs, principles for the sound design of new languages and how they evolve. The unit provides both a deep theoretical foundation for programming languages by abstracting them to basic mathematical forms as well as showcasing practical application of those advanced principles for software development in the real world.

### CAB403 Systems Programming

Pre-requisites	(CAB201 or MZB126) and CAB202
Anti-requisites	INN365
Equivalent s	INB365, ITB706, ITB745
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit uses operating system concepts to teach the foundations of systems programming and advanced concepts for producing software that provides services to computer hardware. Through this study you will be able to demonstrate knowledge of the principles and techniques of process

management, memory and file management, data protection, and distributed systems. It discusses the concepts, structure and mechanisms of modern operating systems for systems programming, e.g., processes, concurrency, storage management, and so on. It also looks at distributed systems and security issues that are required to support systems programming. It builds upon the low level programming concepts introduced in CAB202: Microprocessors and Digital Systems.

### CAB420 Machine Learning

Pre-requisites	CAB201 or ITD121 or IFN501 or IFN556 or Admission to (EN50 or EN55)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Machine learning is the science of getting computers to act without being explicitly programmed. This unit provides you with a broad introduction to machine learning and its statistical foundations. Topics include: definition of machine learning tasks; classification principles; dimensionality reduction/subspace methods; support vector machines, graphical models and deep learning. Application examples are taken from areas such as computer vision, finance, market prediction and information retrieval.

### CAB430 Data and Information Integration

Pre-requisites	CAB220 or CAB201 or ITD121
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

With the rapid growth of data and digital repositories, there is an increasing awareness of benefits of data warehousing and mining techniques for Business Intelligence. Data warehousing represents an ideal vision of maintaining a central digital repository of all organizational data that can be smartly used through data mining tools to maximize business profits. Data warehousing is recognized by the IT industry as a dominant technique for applications of databases in the future. This unit discusses the concepts, architectures and methods of data warehousing and mining techniques, e.g., data warehouse architecture and schema, data cubes and OLAP (on-line analytical processing), ETL (Data Extraction, Transformation and Loading) process, data quality, association analysis and classification. It also focuses on the topics and techniques that are most promising for building and analyzing multidimensional data for efficiently organizing data warehouses and mining tools.

### CAB431 Search Engine Technology

Pre-requisites	CAB201 or ITD121
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

With the explosion of information resources on the Web, social media and corporate intranets, there is an imminent need for advanced technologies to help people deal with big text data. There are many practical applications of Web search and text analysis (text mining) in the areas such as classification of news stories, academic papers or medical records; spam or junk email filtering, understand customers opinion or behaviors through their feedback or review in online-systems or social media, customer service promotion etc. Therefore, it is urgent for IT developers, Web analysts, information management consultants, or Web development & support officers to understand popular text processing models (such as Web search engine, information retrieval models); advanced text mining techniques (such as supervised methods for information filtering or classification and unsupervised method for topic modelling); and future directions in Web Intelligence.

### CAB432 Cloud Computing

Pre-requisites	CAB301 or CAB302 or INB370 or INB371 or IFN666
Equivalent s	INB356

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Cloud Computing is among the most important developments in the IT industry in recent years, and one which has received enormous attention. Cloud is a natural progression from earlier trends in service and infrastructure outsourcing and virtualisation, but is distinguished by its elasticity and scale: service and infrastructure provisioning may change rapidly in response to variations in demand, allowing clients to cater for unexpected spikes in load without tying up capital in expensive and potentially underutilised assets. Cloud services and technologies are becoming increasingly diverse and sophisticated, moving rapidly from the initial, 'bare metal' offerings of a few years ago, and providing a rich set of options and APIs. This unit provides a technically oriented introduction to Cloud Computing, giving you experience in developing modern cloud applications and deploying them to the public clouds of the major vendors.

### CAB440 Network and Systems Administration

Pre-requisites	CAB303 or INB251
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1

## Units

**External**  
- XCH-1, XCH-2

Building on your network and systems administration knowledge and skills, you will be introduced to technical knowledge and skills for network administration, including configuring addressing and routing with physical network connectivity devices and installing/maintaining network services on a Unix-like platform. CAB441 Network Security build on this unit by extending your network administration skills to secure network infrastructure and application services.

### CAB441 Network Security

Pre-requisites	(CAB240 or INB255) and (CAB440 or INB351)
Anti-requisites	INN251
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

As a system administrator or information security professional you are expected to have an in depth understanding of the vulnerabilities and threats that system services under your protection may be exposed to. As a result it is important that you are familiar with system exploitation techniques and tools that may be used against your system services and applications. This knowledge and skill will allow you to better defend your system services and applications. This advanced unit will discuss security design principles that

produce secure networks and applications. This unit will also introduce techniques and tools that demonstrate how to secure systems as well as to exploit system services and applications so that you are aware of the impact of insecure systems. This unit is considered an advanced networking unit with no following units.

### CCB101 Media Issues and Debates

Equivalent s	KCB102
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This introductory unit addresses key concepts, myths, controversies and debates surrounding the relationship between media and contemporary society. The media and communication theories and ideas about the role of communication in contemporary society and culture are foundational for communication professionals. The unit aids you to critically examine topics such as the relationship between media content and violence, and how media may or may not affect social behaviours. In doing so, the unit investigates the historical foundations, cultural context and factual accuracy of a series of 'common sense' arguments regarding how different kinds of media have or have not affected the way our society functions. The unit provides a critical approach to

media scholarship about the role of media in society that underpins more advanced units such as Social Media, Self and Society and Research Methods.

### CCB102 Multi-Media Design

Equivalent s	KJB103, KCB304, KJB211
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1

Visual communication techniques are essential in capturing the attention of an increasingly visually literate society. Understanding how to design well is growing in importance in a society that is time poor and overloaded with competing sources of media. You will learn how to apply design theory in a variety of visual communication contexts relevant to the journalism, media and communication industries. You will gain an understanding of the role of design as a communication tool in a variety of outputs including newspapers, magazines, online publications and other integrated communication resources. It introduces the theory of design, its formats, the use of desktop publishing software, the principles of typography and design and the development of stakeholder relationships (photographers, printers etc.).

### CCB200 Digital Platforms

Credit Points	12
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## Units

Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

It is critical for communication professionals to understand the cultural, political, economic and technical contexts from which contemporary digital platforms have emerged and in which they are continuing to evolve. This unit focuses on the core concepts that have shaped digital media's brief history, differentiating digital media from older media forms. It develops students' contextual understanding of digital platforms by exploring how key concepts in digital media map onto specific platforms and their audience and user cultures. CCB200 forms the foundation for more detailed analyses of digital media in future years.

### CCB201 Australian Media

Pre-requisites	Completion of 48 credit points of study
Equivalent s	KCB104
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides you with the skills to critically engage with media as a user and industry participant. By developing your current awareness of contemporary debates and developments in Australian media, you will learn about how national and local media are shaped by a range of factors including globalising media markets, questions of national

culture and identity, and digital disruption. As such, the unit introduces the theories that seek to improve media industry visibility and its social and economic importance. It also addresses public policy strategies for critically assessing industry, government, citizen and consumer perspectives around media industry. A critical understanding of media institutions helps to inform ethical media choices and professional communication practices. Current awareness of technological, economic and political drivers and impediments for change introduces you to leaders, change agents and experienced practitioners in a range of media sectors.

### CCB202 Social Media, Self and Society

Pre-requisites	CCB200 (can be enrolled in the same teaching period as CCB202); or enrolment in IF27 Media and Communication Major (IF27MJR-MEDCOMM); or admission to Bachelor of Media and Communication single or double degrees (KC30, IX67, IX70, IX75, IX86)
Equivalent s	KCB206, KCB201
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

Social Media has had a tremendous impact on our lives as individuals and members of larger societies. The debates surrounding these new and powerful technologies are often

multi-faceted in their complexity. In this unit you will learn to critically examine and contribute to debates about social media's impact on identity, privacy and the ethics of everyday life, drawing on scholarly research to evaluate opposing perspectives and become critically informed communication professionals.

### CCB203 Strategic Speech Communication

Equivalent s	KCB103, KCD103, KCB213
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit addresses the theory and practice of speech and interpersonal communication. It introduces theories of language, rhetoric and persuasion which are interrelated to promote understanding and development of your communication skills. Classroom practice in simulated work situations will enhance the leadership abilities needed to become articulate presenters in a range of contexts, including personal presentations both live and mediated. The ability to present a spoken message is a highly desirable skill in education, employment and life. Across a range of fields and professions, graduates will have many opportunities to speak a message both face-to-face and online. Taking an audience-centred approach to speaking, this unit focuses on creating and analysing persuasive



## Units

messages. The unit is designed to assist you in becoming an effective oral communicator and discerning listener.

### CCB204 Communication Planning and Practice

Pre-requisites	CYB101 or KCB101 or KJB102
Equivalent s	KCB205
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1

This unit examines communication between individuals and teams in organisational settings. It aids in developing practical skills needed for effective communication such as analysis, communication proposal development, formal document production and professional presentation. The unit provides theoretical concepts that shape effective communication in professional settings, the experience to apply these skills and develop a strategic communication proposal for an external client, and the ability to understand professional teamwork and effective internal communication. The strategic process of planning, implementing and evaluating effective communication will prepare you for a career as a strategic communicator both in internal and external contexts.

### CCB302 Digital Media Analytics

Pre-requisites	Completion of 96 credit points of study
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Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1

This advanced level unit equips you with critical understanding and skills in contemporary computational research methods as they are applied to digital content, platforms and networks. From computational analyses of 'big social data' to close qualitative analysis of digital media platforms and practices, the approaches, methods and tools that are grounded in and suitable for the study of digital media are expanding and evolving rapidly. This unit aims to provide you with critical understanding and practical skills in how to select and implement contemporary digital approaches to the collection, analysis and interpretation of various forms of emerging communication data, such as social media content (both textual and visual) and geodata.

### CCB303 Digital Media Project

Pre-requisites	Completion of 168 credit points of study
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides an environment in which to develop your prior knowledge of digital media and/or communication theories, technologies, industries, and practices by working on a

significant digital media project or series of projects. Content creation, project management, collaborative work, and critical reflection are extremely important in the digital media and communication industries. You will develop these skills and apply them to a real-world project or series of projects, the scope of which will be determined in collaboration with team members and academic staff. This is a capstone unit in which your development of the aforementioned project/s—which may take the form of industry, research, and/or corporate-based project/s—will work to advance your future employability. The project/s may involve social media analytics, digital content creation, industry reports, interaction design, and data collection and analysis.

### CCN102 Social Media Storytelling

Equivalent s	CCQ102
Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP03A, FP08A

Effective communication has essentially always been about telling compelling stories. As a digital communication specialist it is critical that you are able to craft effective messages to reach and engage your target audiences across multiple platforms and in a variety of formats.

### CCN103 Debates in Digital Culture

Equivalent s	CCQ103
Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP03A, FP08A

This unit addresses key debates and different perspectives about the role and impacts of digital technologies on contemporary culture and society. As such, the unit develops your academic skills to assess, draw on and contribute to scholarly research in the context of such debates. Issues such as the role of social media, filter bubbles, echo chambers and the changing nature of power will be focussed on. The ability to consider different perspectives and draw on current research to discuss the debates around digital technologies and their impact is crucial for critically informed communication professionals.

### CCN104 Visualising Data

Pre-requisites	CCN106 or CCQ106
Anti-requisites	DVB302, DXB502
Equivalent s	CCQ104
Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP05A, FP09A

Knowing how to make sense of data for diverse audiences, through appropriate visual representation, is a key skill for contemporary communication professionals. This unit is included early in the program

to teach you some fundamental knowledge and skills in data visualisation.

### CCN105 The Power of Platforms

Equivalent s	CCQ105
Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP05A, FP09A

It is critical for communication professionals to have an understanding of how the communication and media industries are disrupted and transformed by the power and influence of social platforms. This unit addresses how platforms have changed media industry business models, content creation and distribution, as well as a deep exploration of the specifics of platforms and their audience and user cultures. As a digital communication professional the knowledge and skills developed in this unit will be essential for you to be effective in this digital media environment.

### CCN106 Introduction to Social Media Analytics

Equivalent s	CCQ106
Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP03A, FP08A

Knowing how to analyse social media data sets by asking questions and making decisions that improve content and engagement is a fundamental skill for

contemporary communication professionals. It is included in the early part of the program to develop your foundational data analytics knowledge and skills.

### CCN107 Coding for Communicators

Pre-requisites	CCN106 or CCQ106
Equivalent s	CCQ107
Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP05A, FP09A

It is essential that future focused communication professionals have both an understanding of how computational technologies transform the world of communication, and the hands-on skills to develop code. This unit provides a foundational understanding of computational thinking .

### CCN108 Social Media Strategy Project

Pre-requisites	Completion of 24 credit points of CCN- or CCQ-coded units including (CCN104 or CCQ104) and (CCN106 and CCQ106)
Equivalent s	CCQ108
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP06A, FP11A

This Work Integrated Learning unit enable you to synthesise your knowledge and skills developed in earlier foundational units in the program and to develop core knowledge and skills essential for professional practice in the

Communication industries. It provides an opportunity to work collaboratively as a team to respond to a real client brief by applying the key principles of effective social media management to the development of a social media strategy.

### CCN201 The Digital Creative Economy and the Future of Work

Equivalent s	CCQ201
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP03A, FP08A

This unit explores how changes in the broader digital creative economy impact on media and communication industries and the working lives of communication professionals. To develop effective communication strategies and pursue work opportunities, communication professionals need to have an understanding of how the new digital creative economy operates, emerging trends in the digital economy, and how to thrive in this environment as a digital communication professional. As such, the unit provides an advanced and critical understanding of the evolution of the broader digital creative economy, how it disrupts the communication and media industries, and the specific implications for the future of digital communication professionals.

### CCN202 Automating the Digital World

Equivalent s	CCQ202
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP03A

This unit introduces current and advanced research on the impacts and ethical implications that automating the digital world have on the communications industry. As such, the unit provides you with advanced knowledge and understanding of how Artificial Intelligence (AI), algorithms and other forms of automation are transforming communication, the media and communication industry and the wider society. It also addresses the ethical issues surrounding how these technologies are used. It is critically important that digital communication professionals have a future-focused orientation towards embryonic and emerging technologies that are likely to further disrupt media and communications environments.

### CCN203 Communication Research and Problem Solving

Pre-requisites	Completion of 48 credit points of CCN- or CCQ-coded units
Equivalent s	CCQ203
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP05A, FP10A

This foundational unit introduces traditional and emerging academic research

principles, methods and approaches, and aids you in the design and planning of a research project relevant to the digital communication field. You will develop a project proposal, demonstrate awareness of ethical research practice, and plan for your capstone project. As a communication professional, you will frequently be called upon to undertake research projects and generate innovative solutions to complex problems. This unit provides you with a strong basis that you will then implement in the capstone project units: CCN301 Digital Communication Project 1 or CCN302 Digital Communication Project 2 and CCN303 Digital Communication Project 3.

### CCN204 Audience Analytics

Pre-requisites	(CCN104 or CCQ104) and (CCN106 or CCQ106) and (CCN107 or CCQ107)
Equivalent s	CCQ204
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP08A

This unit focuses on developing your critical understanding of media audience and the fundamental theoretical frameworks, methods and metrics for identifying and measuring it. Digital technologies have transformed the way communicators engage with and analyse diverse media audiences. The unit will aid you in recognising audiences by



means of descriptive and inferential statistics. An applied and critical understanding of audience analytics is crucial for communication professionals. This unit builds upon and deepens the ideas and methods for audience analysis introduced in CCN106 Introduction to Social Media Analytics. The methods and techniques explored in this unit also complement CCN203 Communication Research and Problem Solving.

### CCN205 Data-Driven Storytelling

Pre-requisites	CCN104 or CCQ104
Anti-requisites	DVB302, DXB502
Equivalent s	CCQ205
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - FP10A

This unit examines visual communication for information and the application of design principles for effective information design, especially visual data stories across various contexts and audiences. Understanding and engaging with the ever-growing quantities of data is a challenge for both organisations and individuals. Increasingly, experts are required to not only manipulate and evaluate this data but also to identify and communicate it within, to stakeholders, clients, users, community groups, etc. The effective visual communication of those stories in the data is a design process

informed by advanced principles of information design and is critical for audience engagement. Data-driven storytelling is an advanced visual information design unit.

### CCN206 Communicating with Bots

Pre-requisites	CCQ107 or CCN107
Equivalent s	CCQ206
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - FP05A

This unit introduces you to the development and use of artificial intelligence (AI) and bots as effective tools for communication planning and execution. It examines the impact of such technologies on communication planning and practice, aiding you in developing your own bots. The unit provides the hands-on experience of applying technology to develop bots that algorithmically communicate via social media platforms. Communication professionals need to understand how to use emerging technologies such as AI to innovatively engage with their users and audiences. Bots, generally defined as “a computer program that performs automatic repetitive tasks”, and other technologies in the field of AI are changing the way communication is planned and executed, and how stories are told and evolve across social media platforms.

### CCN301 Digital Communication Project 1

Pre-requisites	Completion of 72 credit points of CCN or CCQ coded units including CCN203 or CCQ203
Equivalent s	CCQ301-2
Credit Points	24
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - FP10A

Digital Communication Project 1 is a capstone project unit that allows you to integrate and apply advanced knowledge of digital communication theory, methods, principles and skills in the context of a significant digital communication project. The unit requires you to implement a substantial and appropriately scoped project that can take various forms including research and/or an industry-related partner project. Supported by supervisors, you will develop and execute a previously designed and approved project. CCN203 Communication Research and Problem Solving is a prerequisite for this unit as you design and plan your project in that unit.

### CCN302 Digital Communication Project 2

Pre-requisites	Completion of 72 credit points of CCN or CCQ coded units including CCN203 or CCQ203
Credit Points	24
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - FP10A

Digital Communication Project 2 is the first of two 24-credit-point capstone project units that allow you to integrate and



apply advanced knowledge of digital communication theory, methods, principles and skills in the context of a significant digital communication project. The unit requires you to implement a substantial and appropriately scoped project that can take various forms including research and/or an industry partner project. Supported by supervisors, you will develop and execute a previously designed and approved project. CCN203 Communication Research and Problem Solving is a prerequisite for this unit as you design and plan your project in that unit. To complete the full 48-credit-point capstone project requires you to also enrol in and complete CCN303 Digital Communication Project 3 in a subsequent semester.

### CCQ102 Social Media Storytelling

Equivalent s	CCN102
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1A, SES3A

This unit introduces the basic concepts, frameworks and techniques for effective storytelling and communication, via social media platforms. It examines how audiences engage with stories that unfold across multiple platforms. Additionally, it explains how to craft effective messages as compelling stories for target audiences, ultimately, the aim of effective communication. As a digital communication specialist, it is

critical that you are able to reach and engage your target audiences, across multiple platforms, and in a variety of formats.

### CCQ103 Debates in Digital Culture

Equivalent s	CCN103
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2A, SES4A

This unit addresses key debates and different perspectives about the role and impacts of digital technologies on contemporary culture and society. As such, the unit develops your academic skills to assess, draw on and contribute to scholarly research in the context of such debates. Issues such as the role of social media, filter bubbles, echo chambers and the changing nature of power will be focussed on. The ability to consider different perspectives and draw on current research to discuss the debates around digital technologies and their impact is crucial for critically informed communication professionals.

### CCQ104 Visualising Data

Equivalent s	CCN104
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2B, SES4B

This foundational unit provides you with some fundamental knowledge and skills in data visualisation, such as design,

techniques and methods for the visual communication of complex datasets. To produce the simplest bar graph and scatter plot to highly complex network diagrams requires an understanding of the principles of visual communication and data analytics. Across the communication and media industries there is a growing demand for communication specialists to be able to effectively communicate complex datasets to non-specialist audiences. Knowing how to make sense of data for diverse audiences, through appropriate visual representation, is a key skill for contemporary communication professionals.

### CCQ105 The Power of Platforms

Equivalent s	CCN105
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1A, SES3A

It is critical for communication professionals to have an understanding of how the communication and media industries are disrupted and transformed by the power and influence of social platforms. This unit addresses how platforms have changed media industry business models, content creation and distribution, as well as a deep exploration of the specifics of platforms and their audience and user cultures. As a digital communication professional the knowledge and skills developed in this unit will be

essential for you to be effective in this digital media environment.

### CCQ106 Introduction to Social Media Analytics

Equivalent s	CCN106
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1B, SES3B

Knowing how to analyse social media data sets by asking questions and making decisions that improve content and engagement is a fundamental skill for contemporary communication professionals. It is included in the early part of the program to develop your foundational data analytics knowledge and skills.

### CCQ107 Coding for Communicators

Equivalent s	CCN107
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1B, SES3B

It is essential that future focused communication professionals have both an understanding of how computational technologies transform the world of communication, and the hands-on skills to develop code. This unit provides a foundational understanding of computational thinking. It provides a hands-on approach to the field of computational communication, including how to use and create programs written in Python; to program Python for

automating data collection; and to collect, manage, process and analyse the digital traces of human online communication.

### CCQ108 Social Media Strategy Project

Pre-requisites	Completion of 24 credit points of CCQ- or CCN-coded units including two of the following units (CCQ104 or CCN104, CCQ106 or CCN106, CCQ107 or CCN107)
Equivalent s	CCN108
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

This project-based unit enables you to synthesise social media management skills acquired in earlier foundational units and to gain core knowledge and skills essential for professional practice in the Communication Industries. It provides an opportunity to work collaboratively as a team to respond to a social media management challenge scenario by applying the key principles of effective social media management to the development of a social media strategy.

### CCQ201 The Digital Creative Economy and the Future of Work

Equivalent s	CCN201
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit explores how

changes in the broader digital creative economy impact on media and communication industries and the working lives of communication professionals. To develop effective communication strategies and pursue work opportunities, communication professionals need to have an understanding of how the new digital creative economy operates, emerging trends in the digital economy, and how to thrive in this environment as a digital communication professional. As such, the unit provides an advanced and critical understanding of the evolution of the broader digital creative economy, how it disrupts the communication and media industries, and the specific implications for the future of digital communication professionals.

### CCQ202 Automating the Digital World

Equivalent s	CCN202
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit introduces current and advanced research on the impacts and ethical implications that automating the digital world have on the communications industry. As such, the unit provides you with advanced knowledge and understanding of how Artificial Intelligence (AI), algorithms and other forms of automation are transforming communication, the media and communication industry and

the wider society. It also addresses the ethical issues surrounding how these technologies are used. It is critically important that digital communication professionals have a future-focused orientation towards embryonic and emerging technologies that are likely to further disrupt media and communications environments.

### CCQ203 Communication Research and Problem Solving

Pre-requisites	Completion of 48 credit points of CCN- or CCQ-coded units
Equivalent s	CCN203
Credit Points	12
Campus	Online
Availabiliti es	<b>Online</b> - SES2

This foundational unit introduces traditional and emerging academic research principles, methods and approaches, and aids you in the design and planning of a research project relevant to the digital communication field. You will develop a project proposal, demonstrate awareness of ethical research practice and plan for your capstone project. As a communication professional, you will frequently be called upon to undertake research projects and generate innovative solutions to complex problems. This unit provides you with a strong basis that you will then implement in the capstone project unit CCQ301 Digital Communication Project 1.

### CCQ204 Audience Analytics

Pre-requisites	(CCQ104 or CCN104) and (CCQ106 or CCN106) and (CCQ107 or CCN107)
Equivalent s	CCN204
Credit Points	12
Campus	Online
Availabiliti es	<b>Online</b> - SES3

This unit focuses on developing your critical understanding of media audience and the fundamental theoretical frameworks, methods and metrics for identifying and measuring it. Digital technologies have transformed the way communicators engage with and analyse diverse media audiences. The unit will aid you in recognising audiences by means of descriptive and inferential statistics. An applied and critical understanding of audience analytics is crucial for communication professionals. This unit builds upon and deepens the ideas and methods for audience analysis introduced in CCN106 Introduction to Social Media Analytics. The methods and techniques explored in this unit also complement CCN203 Communication Research and Problem Solving.

### CCQ205 Data-Driven Storytelling

Pre-requisites	CCQ104 or CCN104
Anti-requisites	DXB502
Equivalent s	CCN205
Credit Points	12
Campus	Online
Availabiliti es	<b>Online</b>

es - SES4

This unit examines visual communication for information and the application of design principles for effective information design, especially visual data stories across various contexts and audiences. Understanding and engaging with the ever-growing quantities of data is a challenge for both organisations and individuals. Increasingly, experts are required to not only manipulate and evaluate this data but also to identify and communicate it within, to stakeholders, clients, users, community groups, etc. The effective visual communication of those stories in the data is a design process informed by advanced principles of information design and is critical for audience engagement. Data-driven storytelling is an advanced visual information design unit.

### CCQ206 Communicating with Bots

Pre-requisites	CCQ107 or CCN107
Equivalent s	CCN206
Credit Points	12
Campus	Online
Availabiliti es	<b>Online</b> - SES2

This unit introduces you to the development and use of artificial intelligence (AI) and bots as effective tools for communication planning and execution. It examines the impact of such technologies on communication planning and practice, aiding you in developing your own bots. The

unit provides the hands-on experience of applying technology to develop bots that algorithmically communicate via social media platforms. Communication professionals need to understand how to use emerging technologies such as AI to innovatively engage with their users and audiences. Bots, generally defined as “a computer program that performs automatic repetitive tasks”, and other technologies in the field of AI are changing the way communication is planned and executed, and how stories are told and evolve across social media platforms.

### CCQ301 Digital Communication Project

Pre-requisites	CCQ301-1
Equivalent s	CCN301
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

Digital Communication Project is a capstone project unit that allows you to integrate and apply advanced knowledge of digital communication theory, methods, principles and skills in the context of a significant digital communication project. The unit requires you to implement a substantial and appropriately scoped project that can take various forms including research and/or an industry-related partner project. Supported by supervisors, you will develop and execute a previously designed and approved project. As a 24-credit-point project completed

across CCQ301-1 and CCQ301-2, it spans two QUT Online teaching periods (sessions). CCQ203 Communication Research and Problem Solving is a prerequisite for this unit as you design and plan your project in that unit.

### CCQ301 Digital Communication Project

Pre-requisites	Completion of 72 credit points of CCN or CCQ coded units including CCQ203 or CCN203
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES3

Digital Communication Project is a capstone project unit that allows you to integrate and apply advanced knowledge of digital communication theory, methods, principles and skills in the context of a significant digital communication project. The unit requires you to implement a substantial and appropriately scoped project that can take various forms including research and/or an industry-related partner project. Supported by supervisors, you will develop and execute a previously designed and approved project. As a 24-credit-point project completed across CCQ301-1 and CCQ301-2, it spans two QUT Online teaching periods (sessions). CCQ203 Communication Research and Problem Solving is a prerequisite for this unit as you design and plan your project in that unit.

### CDB101 Managing Media and Entertainment

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit develops a critical understanding of the social dimension of work in the media and entertainment industries. It introduces core concepts and debates, analytical frameworks, and the professional practices necessary to understand and employ effective management principles in the media and entertainment industries. The unit looks at management theories and practices, and how the often social and collaborative mode of work in the media and entertainment industries shapes managerial identities, roles and strategies. It also provides you with a broad overview of what obstacles and challenges to expect, such as managing teams and collaboration within and across diverse contexts in a rapidly evolving industry environment. Ultimately, it develops a solid theoretical foundation, essential for media and entertainment professionals that you will apply to authentic project management activities in the second and third year of the Entertainment Industries course.

### CDB201 Entertainment Strategy

Pre-requisites	(CDB101 and CYB105) or completion of 48 credit points of study
Credit Points	12



## Units

Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This unit aims to develop an advanced, in-depth understanding of finance in the media and entertainment industries. It examines key strategies for financial support and entertainment management across media platforms, locations and audiences. Producers require the scholarly skills of understanding entertainment economics broadly, and the intellectual and practical skills to apply this understanding in the contexts of project finance and financial management. This unit will give you a broad overview of the financial and commercial elements behind a wide variety of entertainment products. You will learn about generating income, gaining finance, managing budgets, applying for funding and dealing with the day-to-day commercial requirements of a creative venture. You will learn the core strategies used by entertainment producers around the world to bring creative ideas to life and give them a sustainable and profitable outcome.

### CDB202 Entertainment Cultures

Pre-requisites	CYB106 or completion of 96 credit points of study
Equivalent s	KXB201
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit examines the cultural conditions of the entertainment industries. It introduces theories and methodologies to understand the complex cultural dynamics of producing commercial culture in the entertainment industries. It offers a practical framework to make sense of the cultural factors that both shape and are shaped by industry operations and individual decision-making. It surveys the structural factors as well as the sociocultural practices that constitute the production and consumption of entertainment media. In order to navigate such complex conditions, you must understand the structural factors as well as the practices, values, and belief systems that constitute entertainment culture. For example, how does 'culture' shape how businesses and workers conceive of and conduct themselves in the entertainment industries; how industry understands and responds to emergent technologies, or how does race or gender identity shape workers' experiences of entertainment work?

### CDB301 Critical Issues in the Entertainment Industries

Pre-requisites	Completion of 168 credit points of study
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This capstone unit provides you with the advanced critical thinking skills needed for

solving real world issues within the entertainment industries. It builds upon core knowledge and skills, and is designed to increase confidence in your analytical capacity as an entertainment professional. The unit addresses ethical, economic, and cultural issues, such as questions related to labour, political economy, and representation in the entertainment industries. Entertainment industries are defined by rapid and unpredictable change. As entertainment professionals, you will be able to independently assess, evaluate and act when faced with the industries' most pressing concerns. This unit allows you to critically engage with key theories and debates shaping entertainment industries. You will reflect on the complex relationships among history, economics, politics, technology, and culture by examining and responding to real world issues facing the entertainment industries.

### CJB101 Newswriting

Equivalent s	KJB120
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This foundational unit provides you with the understanding and skills in journalistic ways of thought, processes and practice, focusing on processes and practices that inform effective news writing. This is the first writing/reporting unit in Journalism. By adopting

a hands-on newsroom approach and industry-based assessment, this unit provides a foundation for advanced and specialised professional journalistic reporting techniques. Professional journalists require these foundational knowledge and skills in order to practice in newsrooms. The unit addresses the foundations of news reporting, focusing on identifying, researching and then structuring news reports in an evolving news environment. You will learn how to recognise the fundamental attributes of news and other journalism forms; use available mobile technologies, evaluate events for their potential news value, to record interviews and perform other reporting tasks, and to write socially responsible news stories.

### CJB102 Visual Journalism

Equivalent s	KJB104, KKB020
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit equips you with knowledge and skills of digital photography principles and techniques and visual storytelling experience. You will learn to apply visual communication theory into your journalistic practice. Changing digital technologies now require journalism, media and communications professionals to have appropriate digital visual skills. You are increasingly expected to understand and apply digital

visual principles and be able to employ and include visual elements in your work such as audio slideshows, news photography, photo-essays, and photojournalism projects. Visual journalism is a core of modern journalistic practice. This unit provides applied understanding of visual principles and processes including visual literacy and aesthetics, photo-essays, and photojournalistic practice in still and multimedia (image and audio) packages.

### CJB103 Journalistic Inquiry

Pre-requisites	CJB101 or KJB120
Equivalent s	KJB121
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1

This unit addresses basic skills of newswriting: generating story ideas, researching, conducting interviews, finding news values and news angles and applying them in a practical context. It also advances generic newswriting skills, enhances writing competency and develops the use of social media and mobile technologies in journalism. As such, it develops media professionals who can generate accurate, interesting and insightful stories. It builds your capacity to independently examine issues and events from new angles, rather than uncritically complying with outside agendas, such as PR agencies, government or

business. You develop your journalistic inquiry skills focusing on interviewing, data mining and right to information, and learn how they fit into an online environment. You are introduced to everyday journalism, rigorous deadlines, social media and mobile first technologies.

### CJB201 Feature Writing

Equivalent s	KJB224
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This unit provides advanced journalistic skills in feature writing, such as generating story ideas and new angles, researching and interviewing and writing interesting copy. Feature writing is a mainstay of journalism that practitioners cultivate during a career in this constantly evolving media space. The unit provides experience in the preparation of feature stories of professional quality and gives access to the benefits of reflection and a constructive critique of your research and writing. It aids you in producing credible non-fiction articles in a dynamic and appealing style, engaging skills that are transferable to areas outside journalism. It also provides awareness of the market for feature material for writers including freelance journalists. You are mentored to find publication opportunities in off-campus media.

### CJB202 Production Journalism

Pre-requisites	CJB101 or KJB120
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

Contemporary journalism increasingly requires multi-skilled practitioners able to engage and attract audiences through creatively and accurately edited content integrated with compelling visual design. This unit introduces you to the key functions of production journalism for print and digital media by teaching how to produce multimedia (video) and how to edit and design print and digital content prior to publication. It builds on foundation skills in journalism and engages you with the dynamics of visual design and the application of design theory to journalistic practice. You learn to develop material to the publication-ready stage and to apply theoretical concepts in practical contexts. You also gain an understanding of the role of layout and design as a communication tool in print and digital media.

### CJB203 Newsroom

Pre-requisites	CJB102 or KJB121
Credit Points	24
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - XCH-1

The aim of this unit is to advance knowledge of the journalism professional approaches needed to produce quality news material for diverse and changing news audiences. It equips you with concepts and skills needed to plan reports; conduct interviews; write news stories; and present and edit material for radio, television and multi-media outputs. This second-year unit is the first of the newsroom suite of units that are a hallmark of the digital-journalism focus of the QUT journalism degree. With a collaborative newsroom approach, it combines the skills and learning of students from different year levels in a team environment with input from peers, staff and industry practitioners. Therefore, you learn the production principles of quality news production in real time while identifying and pursuing innovative news approaches. In keeping with a commercial newsroom, the QUT newsroom experience aims to create a dynamic and diverse news product.

### CJB204 Journalism Ethics and Issues

Pre-requisites	((CJB101 or KJB120) and LWS011) or (CDB101 and LLB101)
Equivalent s	KJB239
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1

This unit aims to develop socially responsible, ethical

journalists. As such, it looks at moral philosophical traditions and current journalistic practice in the context of Australian and international news media approaches. It introduces theories of ethical decision-making and their application; overviews professional codes of conduct and codes of ethics in the media industry and related professions; addresses major ethical concerns in journalism; examines the journalist's working environment and the public's perceptions of the media industry; provides opportunities to explore personal responses to ethical dilemmas and to work through examples of applied ethical decision-making; develops capabilities of self-care as well as your critical analytical abilities; and addresses the impact of developing information and communication technologies.

### CRZ631 STEM in Education: Principles and Practices for 21st Century Learners

Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 6TP2 (Block)

STEM education provides a disciplinary context through which learners develop their knowledge, understanding and skills that are often referred to as "21st Century Skills". These include, but are not limited to, collaborating and communicating in multi-disciplinary teams, critical and creative thinking, innovation and entrepreneurship, and digital fluency. In turn, the

development of these skills enhances conceptual understanding across STEM disciplines. This unit, the first in the Graduate Certificate of Education (STEM in Education) program, introduces and discusses 21st Century skills in the context of teaching and learning in STEM. This unit will prompt you to critically reflect on your existing teaching practices in STEM subjects. Such understanding will give you the opportunity to consider how you might extend your practices to support your students' learning in STEM that leads to the development of their 21st Century skills.

### CRZ632 Digital Fluency for STEM Learning

Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 6TP2 (Block)

Digital technologies are a pervasive and integral part of our society. Knowing about these technologies, being fluent in their use and knowing how to incorporate these technologies into your classroom to aid students learning is important for your students' development of 21st Century skills. This foundation unit will explore a range of digital technologies that can be used as tools to support learning in the STEM classroom. You will develop your own fluency in using these technologies and will begin to critically think about how you could use these digital technologies in your STEM classroom, such that your

students are themselves able to fluently use digital technologies as tools for their learning. You will consider how your approach to teaching and learning with digital technologies aligns to the curriculum that is relevant to your classroom.

### CRZ633 Thinking in STEM

Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 6TP2 (Block), 6TP5

A sound understanding of various higher-order thinking skills and how they can be fostered is integral to teaching in a successful STEM classroom. This unit will further develop your knowledge and skills in STEM in Education. You will delve deeper into the higher-order thinking skills that need to be developed for learners to be successful in the 21st Century, including critical and creative thinking and the associated skills of communication and collaboration. You will also take into consideration other thinking skills commonly referred to in STEM curricula, including computational thinking, systems thinking and design thinking.

### CRZ634 STEM Pedagogies

Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 6TP2 (Block), 6TP4

This unit will further develop your knowledge and skills in STEM in Education, in

particular various inquiry-oriented pedagogies used in STEM classrooms. Productive work in the STEM fields is often associated with some form of problem solving, which is the basis for many inquiry-oriented pedagogies used in STEM classrooms. Through such learning approaches, students not only learn about STEM concepts and propose solutions but they also authentically develop the various high-order thinking skills. This unit will explore the similarities and differences between these various inquiry-oriented pedagogies, which will underpin activities in which you will design inquiry-oriented tasks for use in your STEM classroom and which are aligned to the relevant curriculum.

### CRZ635 Assessment and STEM Learning

Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 6TP3 (Block), 6TP6

This unit will further develop your knowledge and skill in STEM in Education, in particular the design of formative and summative assessment. Backward-design of learning involves identifying the desired learning goals for a student and establishing how the learner will demonstrate achievement of the goal(s), and then planning a learning sequence to enable students to successfully develop and demonstrate such achievement. This unit will focus on the definition of



## Units

learning goals and the design of assessment (both summative and formative) that is aligned to the set of learning goals and which reflect the relevant curriculum.

### CRZ636 Designing for Connected STEM Understanding

Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 6TP3 (Block)

This unit will further develop your knowledge and skill in STEM in Education, in particular the planning of learning activities which explore conceptual connections within and between the STEM disciplines. Backward-design of learning involves identifying the desired learning goals for a student and establishing how the learner will demonstrate achievement of the goal(s), and then planning a learning sequence to enable students to successfully develop and demonstrate such achievement. This unit will focus on developing your ability to identify conceptual connections within and between the STEM disciplines and then design instructional sequences for your STEM classroom that are aligned to a set of learning goals and which will develop your students' STEM understanding and skills in ways that are aligned to the relevant curriculum.

### CRZ637 STEM Inquiry Experience

Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 6TP3 (Block)

This unit builds upon your previous learning in regard to STEM in Education. It will involve you conducting your own STEM investigation, through which you will develop a deeper appreciation of how to design and conduct an authentic STEM problem-solving activity.

### CRZ638 Applied STEM in Education

Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 6TP3 (Block)

This unit builds upon your previous learning in regard to STEM in Education and is the culminating unit in the STEM in Education study area. In this unit you will draw upon your STEM content knowledge, your previous experiences of problem-solving activities, and your knowledge of STEM pedagogical and technological knowledge, as a basis for designing a unit of work that incorporates the principles and practices of STEM 21st Century learning and which is aligned to a curriculum that is relevant to your teaching.

### CSB012 Introduction to Medical Radiations

Equivalent s	PCB178
Credit Points	12

Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This introductory unit provides you with an overview of the principles of medical radiation practices. Following semesters will build on this foundation knowledge in your studies in medical imaging practice.

### CSB013 Introduction to Radiation Therapy

Co-requisites	CSB111 and PCB272
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This introductory Radiation Therapy unit is the first in a series of units which will focus on foundation skills and knowledge that underpin radiation therapy. The following semester unit specific to radiation therapy, CSB025 Principles of Radiation Therapy Planning and Treatment, will build on these skills.

### CSB020 Systematic Imaging Pathology

Pre-requisites	CSB021
Anti-requisites	LSB367, LSB475
Equivalent s	PCB252
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The field of medical imaging is rapidly changing but a sound knowledge of pathology continues to underpin diagnostics and treatment

design required for professional practice. This unit will apply the principles of general cellular pathology to imaging of the major systems thus enabling you to use appropriate terminology to describe the pathogenesis and image appearances of common systemic diseases. This will enable you to integrate theoretical and practical knowledge of human pathology required for the understanding of subsequent clinical semesters.

**CSB021 General Radiography 1**

Pre-requisites	LSB142 and CSB012 and CSB022. CSB022 can be enrolled in the same teaching period as CSB021
Equivalent s	PCB276
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is a foundational unit designed to provide you with knowledge of imaging practices and in particular skeletal radiography. It introduces you to the patient considerations and positioning techniques which you will be able to put into practice in the accompanying unit CSB022 Radiographic Practice. A full and detailed knowledge of anatomy and positioning techniques for skeletal radiography is essential to the education of medical imaging technologists.

**CSB022 Radiographic Practice**

Pre-requisites	CSB111 and CSB012 and CSB021 and PCB272. CSB021 can be enrolled in
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	the same teaching period as CSB022
Equivalent s	PCB277
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is the first unit in radiographic positioning of your course and builds on your foundation knowledge of the role of the Radiographer from semester 1. The development of positioning skills and a full appreciation of the principles of image production and processing are essential requirements in the education of medical imaging students. This unit is designed to apply your knowledge of skeletal anatomy, radiography and imaging practices, and the role of the radiographer. The practical sessions are designed to develop positioning skills through role play and taking radiographs of sectional models to become familiar with radiographic appearances and image quality.

**CSB025 Principles of Radiation Therapy Planning and Treatment**

Pre-requisites	CSB013 and PCB272 and CSB111
Anti-requisites	CSB023, CSB024
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is the first unit in Radiation Therapy planning and treatment of your course and builds on your foundation knowledge from CSB013

introduction to Radiation Therapy from semester 1. This unit provides you with opportunities to build, practice and provide evidence of your problem-solving skills for radiation planning and treatment. Within a simulated environment, you will be able to practice planning and treatment techniques in a safe environment in order to prepare them for clinical practice. Highlighting the importance of accurate working and the potential impact of errors builds on the radiation safety principles being learned concurrently in the radiation safety unit. The clinical placements will allow you to familiarise yourself with the practices of a radiation therapy department. This unit aims to provide students with a fundamental understanding of the principles of planning and treatment for radiation therapy.

**CSB033 Clinical Radiography 1**

Pre-requisites	(CSB022 or PCB277) and (CSB021 or PCB276) and LSB142
Co-requisites	CSB034
Equivalent s	PCB359
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

An opportunity to participate in patient examinations in the clinical situation is essential to further skills development for medical imaging students.

**CSB034 General Radiography 2**

Pre-requisites	(CSB021 or PCB276) and (CSB022 or PCB277) and
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## Units

	LSB142
Co-requisites	CSB033
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

A full and detailed knowledge of positioning techniques and the development of positioning skills is essential to the professional practice of medical imaging technologists. This includes the extended range of skeletal systems projections, basic contrast media examinations and radiography performed outside of the Medical Imaging Department.

### CSB036 Medical Imaging Methods

Pre-requisites	CSB012 and PCB272
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Radiographers are required to be competent and proficient in using different medical imaging equipment. This unit will build on your knowledge of radiation physics and how it relates to the operation of x-ray equipment found in clinical practice. It provides you with opportunities to build on this knowledge and gain an understanding of the operation of digital imaging devices.

### CSB037 Medical Imaging Applications in Radiation Therapy

Pre-requisites	LQB389 and CSB025
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Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The ability to identify anatomical structures on a range of imaging modalities is an essential skill for radiation therapists. This unit provides you with opportunities to build on the fundamental 3D relational anatomical understanding of previous anatomy units and apply this knowledge to image interpretation. This unit also provides radiation therapy students with the fundamental knowledge of CT, MRI, Ultrasound and PET and the quality control and quality assurance associated with these modalities.

### CSB038 Clinical Radiation Therapy 1

Pre-requisites	CSB025 and PCB675
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Experience in clinical departments is essential in developing clinical competence and meeting professional capabilities. This unit is designed to provide you not only with this experience but also some tools to maximise learning during clinical placements. After completion of this unit you should be able to assist with routine clinical procedures and be prepared to organise your clinical learning in relation to your development needs for future clinical units.

### CSB039 Radiation Therapy Treatment 1

Pre-requisites	CSB025 and PCB675 and LQB389
Equivalent s	CSB032
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit builds on the fundamental theories of CSB025 Principles of Radiation Therapy Planning and Treatment and enables you to apply knowledge to practice in a simulated virtual environment. You will need to gain practical skills in order to become competent radiation therapists and this unit provides you with the underpinning theory and practical skills.

### CSB041 Specialised Imaging Techniques

Pre-requisites	CSB033 and CSB034 and CSB044. CSB044 can be enrolled in the same teaching period as CSB041
Equivalent s	PCB476
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

A full and detailed appreciation of the special procedures and radiographic techniques is essential to the education of medical imaging students. The practical sessions are designed to further develop and maintain positioning skills through role play and taking radiographs of sectional models to become familiar with radiographic



## Units

appearances. Approaches to imaging for the diversity of population including consideration of culture, age, gender and body habitus.

### CSB044 Clinical Radiography 2

Pre-requisites	CSB033 and CSB041. CSB041 can be enrolled in the same teaching period as CSB044
Equivalent s	PCB459
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM

This unit will continue to build on your previous clinical placement experience to deal with more complex patient presentations. The aim of this unit is to enable you to continue to develop and consolidate your skills in general radiography and minor procedures, whilst also allowing you to develop skills in computed tomography. This period of clinical experience includes a placement within the computed tomography area to enable you to gain clinical experience in routine computed tomography following on from the theory unit undertaken this semester.

### CSB046 Complementary Imaging Techniques

Pre-requisites	CSB012 or PCB178
Equivalent s	PCB477
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Medical imaging technologists

are required to utilise a number of imaging modalities to assist in the diagnosis of disease. Proper utilisation of equipment requires an understanding of the underlying physical principles. Knowledge of the clinical applications enables an appreciation of the overall medical imaging strategies available in a patient's clinical management.

### CSB047 Clinical Radiation Therapy 2

Pre-requisites	CSB037 and CSB038 and CSB039 and CSB090
Equivalent s	CSB042
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Experience in clinical departments is vital to developing clinical competence and this unit is designed to build on the experience gained in CSB038 Clinical Radiation Therapy 1 and further develop your clinical and interpersonal skills. This unit aims to provide you with the fundamental skills and experience which will enable you to participate in routine radiation therapy techniques and procedures under supervision. After completion of this unit you should be able to assist with a wide range of clinical procedures and have developed an action plan in relation to your developmental needs for future clinical units.

### CSB048 Radiation Therapy Treatment 2

Pre-	CSB038 and CSB039 and
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requisites	CSB090
Equivalent s	CSB043
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is the third in a series of discipline specific Radiation Therapy units and builds on the knowledge and skills gained in the previous units CSB025 Principles of Radiation Therapy Planning and Treatment and CSB039 Radiation Therapy Treatment 1. Oncology and technique are essential components of radiation therapy skills for treatment practice. This unit builds on the fundamental theories of CSB039 Radiation Therapy Treatment 1 and focusses on the application of knowledge to practice. You will need to gain practical skills in order to become competent radiation therapists and this unit provides you with the underpinning theory and practice. This unit is designed to further develop and apply the principles of oncology and technique for various anatomical sites.

### CSB049 Radiation Therapy Planning 2

Pre-requisites	CSB038 and CSB039 and CSB090 and LQB389
Equivalent s	CSB045
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Treatment planning is an essential component of radiation therapy, and



understanding of complex 3D planning techniques is essential. This unit builds on the planning experience gained in previous units to concentrate on application of more in-depth knowledge to complex 3D planning practice. In order to further prepare you for clinical planning, a range of challenging plans will be completed using full 3D data sets and 3D planning techniques. This will consolidate your understanding of advanced planning concepts and pave the way for progression to more advanced planning techniques in Year 3. You will need to gain high levels of plan evaluation skills in order to become a competent treatment planner and this unit provides you with the opportunity to further develop plan evaluation skills. This unit also aims to further develop critical appraisal and plan evaluation skills.

### CSB050 Professional Practice in Radiation Therapy

Pre-requisites	CSB042, CSB043 and CSB045
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

As you move towards the completion of your academic studies and your graduate year it is necessary for you to be equipped with reflective practice and action planning skills. In addition this unit educates you about the wider issues affecting professional practice. The learning, teaching and assessment strategy for

the unit actively encourages learner autonomy, reflection and academic debate with peers.

### CSB053 Clinical Radiography 3

Pre-requisites	CSB041 and CSB044
Co-requisites	CSB046
Anti-requisites	CSB058
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit will continue to build on previous clinical placements to deal with more complex patients. The extended period of clinical experience in this 12 credit point unit will enable you to gain experience in advanced imaging procedures and modalities in addition to consolidating skills in general radiography and minor procedures.

### CSB056 Computed Tomography Imaging

Pre-requisites	LQB390
Equivalent s	PCB681
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Computed Tomography Imaging is a specialised modality within the field of medical radiations. The applications of computed tomography imaging have a wide impact on differential diagnoses and subsequent radiographic examinations. This unit will provide you with

an introduction to the operation and clinical applications of computed tomography and the image appearances, and covers both the technological and clinical aspects of computed tomography (CT). Clinical applications described include those for specific anatomical areas as well as advanced and interventional applications. The strengths and weaknesses of CT in relation to other imaging modalities are discussed.

### CSB058 Clinical Radiography 3

Pre-requisites	CSB041 and CSB044
Co-requisites	CSB046
Equivalent s	CSB053-1 and CSB053-2
Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit will continue to build on previous clinical placements to deal with more complex patients. The extended period of clinical experience in this 24 CP unit will enable you to gain experience in advanced imaging procedures and modalities in addition to consolidating skills in general radiography and minor procedures.

### CSB061 Project

Pre-requisites	CSB041 or PCB476 or CSB043 or PCB397-2
Equivalent s	PCB672-1
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

## Units

The purpose of this unit is to enable you to research a topic within a professionally related area. An introduction to the research process is important preparation for future postgraduate studies.

### CSB061 Project

Pre-requisites	CSB061-1 or PCB672-1
Equivalent s	PCB672-2
Credit Points	6
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2

The purpose of this unit is to enable you to research a topic within a professionally related area. An introduction to the research process is important preparation for future postgraduate studies. This is a supervised project involving either application of existing theoretical practical knowledge or a literature survey of a selected relevant topic. (12 credit points achieved at completion of CSB061-1 and CSB061-2). Introductory lectures in research methods and statistics are provided. Semester one will provide you with the knowledge of how research is carried out, and presented. During Semester two you will prepare a report and poster on your chosen topic.

### CSB063 Magnetic Resonance Imaging

Pre-requisites	LQB390
Equivalent s	PCB682
Credit Points	12

Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2

Magnetic Resonance Imaging is a specialised modality within the field of medical radiations. The applications of magnetic resonance imaging have a wide impact on differential diagnoses and subsequent radiographic examinations.

### CSB067 Clinical Radiography 4

Pre-requisites	CSB058 or CSB053
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2

This unit will continue to build on previous clinical placements to deal with more complex patients and contexts. The period of clinical experience in this unit will enable you to gain experience in advanced imaging procedures and modalities in addition to consolidating skills in general radiography and minor procedures.

### CSB069 Radiation Therapy Treatment 4

Pre-requisites	CSB092 and CSB093 and CSH059
Equivalent s	CSB060
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit includes a range of specialised radiation therapy techniques and technology. Previous radiation therapy units have provided knowledge and experience with a wide

range of treatment techniques encompassing a range of procedures and tumour sites. Improvements in new equipment and less common procedures will be outlined to make students aware of these techniques and technologies. This unit aims to stimulate your interest in specialised radiation therapy equipment, techniques and associated treatment procedures, as well as providing you with an overview of current and future avenues of research.

### CSB070 Transition to Professional Practice 1

Pre-requisites	CSB067 and (CSB068 or CSH068)
Co-requisites	CSB071
Credit Points	24
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2

This is the first of two transitional capstone units across the final year and requires you to integrate and apply your previously developed knowledge and skills in medical imaging in a clinical context. You will consolidate your professional practice skills in workload management and clinical efficiency particularly in relation to general radiography and minor procedures. As you progress to a reflective ethical practitioner, this unit provides the opportunity for you to operate with an increasing level of intellectual independence whilst still under supervision.

## Units

### CSB071 Clinical Radiography 5

Pre-requisites	CSB067
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit will continue to build on previous clinical placements to deal with a full range of complex patients and contexts. The period of clinical experience in this unit will enable you to gain experience as a supervised performer in advanced imaging procedures and modalities in addition to consolidating skills in general radiography and minor procedures.

### CSB072 Review of Contemporary Clinical Practice

Pre-requisites	(CSB600 or CSH600) and (CSB068 or CSB069 or CSH068)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit in the final year of your course builds upon the introductory and developmental work you learned in CSB111 and CSH600,. The unit provides you with the opportunity to investigate a topic of interest in contemporary practice and demonstrate your capability at critical analysis, synthesis and evaluation of the evidence available. You will then present this information to your peers.

### CSB078 Transitioning to Professional Practice 1

Pre-	CSB069 and CSB094 and
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requisites	CSB095
Equivalent s	CSB073
Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This is a capstone unit/experience which provides a culminating learning experience occurring in the final year of a course that brings reflection and focus to the whole course experience whilst, at the same time, leading you to transition into professional pathways and/or post-graduate study. This is the first of two transitional capstone units across the final year and requires you to integrate and apply your previously developed knowledge and skills in radiation therapy in a clinical context. You will consolidate your professional practice skills in workload management and clinical efficiency particularly in relation to simulation/CT, treatment planning and treatment. As you progress to a reflective ethical practitioner, this unit provides the opportunity for you to operate with an increasing level of intellectual independence whilst still under supervision.

### CSB090 Radiation Therapy Planning 1

Pre-requisites	CSB025 and PCB675 and LQB389
Equivalent s	CSB035
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Treatment planning is an essential component of radiation therapy and application of fundamental principles to routine planning practice is essential. This unit builds on the fundamental theories of treatment planning to concentrate on application of knowledge to practice. In order to further prepare for planning, a range of routine plans will be completed using 3D datasets. You will need to gain plan evaluation skills in order to become competent treatment planners and this unit provides you with the underpinning theory and introductory practice.

### CSB091 Clinical Radiation Therapy 3

Pre-requisites	CSB047 and CSB048 and CSB049
Equivalent s	CSB052
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Experience in clinical departments is essential in developing clinical competence and meeting professional capabilities. This unit is designed to build on the experience gained in CSB047 Clinical Radiation Therapy 2 to further develop your clinical and interpersonal skills. After completion of this unit you should be able to perform the full range of clinical procedures under supervision and be able to organise your clinical learning in relation to your future personal and professional development.



### CSB092 Radiation Therapy Treatment 3

Pre-requisites	CSB047 and CSB048 and CSB049
Equivalent s	CSB054
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit builds on the fundamental theories of previous treatment units, CSB047 Radiation Therapy Treatment 2, to further the application of knowledge to practice. You will need to gain practical skills in order to become competent radiation therapists and this unit provides you with the underpinning theory and simulated practice.

### CSB093 Radiation Therapy Planning 3

Pre-requisites	CSB047 and CSB048 and CSB049
Equivalent s	CSB055
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The planner is increasingly making use of advanced technology to aid with highly complex 3D treatment planning. This unit builds on the planning experience gained in previous planning units to further develop the application of complex techniques and technology to 3D planning practice. In order to further prepare you for clinical planning, you will have the opportunity to plan challenging

tumour sites. Previous work on plan evaluation will be developed and you will be encouraged to integrate feedback from plan evaluations in previous units and support your work with consistent critical appraisal of the evidence base.

### CSB094 Radiation Therapy Planning 4

Pre-requisites	CSB092 and CSB093 and CSH059
Equivalent s	CSB064
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Previous treatment planning units have provided knowledge and experience with a wide range of planning techniques encompassing the relatively simple to highly complex procedures and tumour sites. This unit builds on the planning experience gained in Semester 1, to concentrate on the application of more complex techniques and technology. Previous work on plan evaluation will be developed to allow application to complex planning scenarios and you will be encouraged to integrate feedback from previous plan evaluations and support your work with critical appraisal of the evidence base. This unit aims to stimulate your interest in advanced planning technologies as well as providing you with an overview of current and future avenues of research.

### CSB095 Clinical Radiation Therapy 4

Pre-requisites	CSB091 and CSB092 and CSB093 and CSH059
Equivalent s	CSB066
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Experience in clinical departments is essential in developing clinical competence and meeting professional capabilities. This Unit is designed to build on the experience gained in CSB091 Clinical Radiation Therapy 3 to further develop your clinical and interpersonal skills. After completion of this Unit you should be able to perform the full range of clinical procedures with minimal supervision and organise your clinical learning in relation to your future personal and professional development. This unit is the final clinical radiation therapy unit in the course where both academic and clinical learning will be consolidated. By the completion of this unit all of the clinical achievements will have been met and you will progress to CSB078 Transitioning to Professional Practice I. This unit aims to further develop your skills and experience which will enable you to demonstrate competence in a full range of radiation therapy techniques and procedures with minimal supervision.

### CSB111 Foundations of Clinical Practice

Equivalent s	PUB442
Credit	12



## Units

Points	
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

Clinical health professionals work in interprofessional teams within the health care system to provide optimal care to individuals and communities. The nature and standards of professional practice are determined by government and professional organisations, and the scope of clinical practice for clinicians evolves in response to community needs. There is a community expectation that clinical health care professionals will be effective communicators who engage in ethical practice that is continually improved through ongoing reflection. This unit introduces you to the fundamentals of the health care system and the skills necessary to practise as a health professional. The foundation knowledge and skills you learn in this unit will be further developed throughout your clinical programs of study. The ability to communicate, reflect, and evaluate aspects of clinical practice are important aspects of your future studies.

### CSB330 Foundations of Paramedic Practice 1

Equivalent s	PUB180
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This introductory unit provides you with the foundational skills and knowledge to prepare you

for your first clinical placement. In the following semester, CSB332 Foundations of Paramedic Practice 2 will build on the skills and knowledge introduced in this unit. In addition, this unit will support your concurrent learning in biomedical science.

### CSB331 Paramedic Clinical Practice 1

Pre-requisites	(LSB282 or LQB185 or LQB281 or CSB520) and (CSB332 or PUB280)
Equivalent s	PUB270
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SUM

This unit is in the developmental stage of your course and builds on the work you learned in CSB330 and CSB332. This unit provides you with opportunities to build practice and provide evidence of your development as a clinician in a supervised environment. Additionally it is fundamental to this course that you are exposed to an appropriate case load of suitable patients in the out of hospital phase. This unit is the first in a series of three that provide the work integrated learning experience. Over a six week period, you will be required to complete approximately 240 hours of placement to be conducted externally through the Queensland Ambulance Service.

### CSB332 Foundations of Paramedic Practice 2

Pre-requisites	CSB330 or PUB180
Equivalent s	PUB280
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This is the second of three Foundations of Paramedic Practice units. This unit further develops your core clinical skills and your expertise in the use of ambulance equipment. It is a foundation Paramedic Science unit addressing the core clinical competencies, equipment, and practices of paramedicine. It introduces extended clinical concepts from CSB330, and introduces additional paramedic equipment for treatment and transfer of patients. The ability to assess, plan and implement care, and review and refine your clinical decision making as well as treat and transport your patient is a requirement of a graduate paramedic. This is an introductory unit, and relevant to paramedic and paramedic/nursing degrees. This unit will give you the necessary knowledge and skills to commence your transition to being a functional member of an ambulance crew in a supervised setting. This transition will take place in your first clinical practice unit, CSB331. CSB333 builds on CSB332 by extending your clinical skills and decision making for more complex patient needs.

### CSB333 Foundations of Paramedic Practice 3

Pre-requisites	CSB331 or PUB270 or (LSB111 for Graduate Entry Students). LSB111 can be studied in the same teaching period as CSB333
Equivalent s	PUB383
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

This unit is the third in a suite of foundation units for paramedics and is designed to build upon foundation knowledge, understanding, skills and attributes that underpin paramedic science. You will be taught core paramedic interventions including: airway management, intravenous access, drug administration, electrocardiogram (ECG) interpretation, documentation, communication and interprofessional cooperation including understanding roles and responsibilities. You will apply, and build upon, the skills and knowledge taught in this unit to be incorporated into the teaching of specialised future paramedic units.

### CSB335 Paramedic Management of Cardiac, Respiratory and Neuro Emergencies

Pre-requisites	CSB333 or PUB383 or PUB390
Equivalent s	PUB451
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This unit is a first in a series of two paramedic management units that cover some of the most common medical and surgical emergencies seen in ambulance practice. The unit focus is on the development of your clinical skills for the management of patients suffering cardiovascular, respiratory and neurological emergencies. Additionally, to better prepare students for international placements and employment opportunities, an overview of cardiovascular, respiratory and neurovascular advanced life support (ALS) knowledge will be provided and student discussions regarding the ALS content is promoted through a collaborative learning platform. This unit synthesises your application of knowledge and clinical reasoning skills that underpin the management of such patients whilst providing a solid grounding in paramedic practice.

### CSB336 Paramedic Management of Medical and Surgical Emergencies

Pre-requisites	CSB333 or PUB383 or PUB390
Equivalent s	PUB452
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

As a paramedic you will be required to manage patients with acute and life threatening diseases. This unit covers many of the medical and surgical emergencies seen in ambulance practice, such as genitourinary, gastrointestinal,

metabolic, endocrine, haematological, musculoskeletal, toxicological, toxinological, infectious disease and palliative emergencies. In the early phases of your clinical experience it is important that you engage in these clinical problems to develop your patient care abilities and prepare yourself to practise as a Registered Paramedic.

### CSB337 Paramedic Management of Trauma and Environmental Emergencies

Pre-requisites	CSB333 or PUB383 or PUB390
Equivalent s	PUB453
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This 2nd Year unit builds on the foundations of paramedic practice learned in previous paramedic units and focuses on the management of trauma and environmental emergencies. This unit is designed to extend your knowledge of the key principles underpinning paramedicine and develop your cognitive skills to critically apply judgement and creativity in the management of people suffering a traumatic injury or environmental emergency. The specialised care of vulnerable populations such as geriatric and paediatric patients in the context of traumatic and environmental emergencies is also discussed. Additionally, this unit places a strong emphasis on the acquisition of

contemporary clinical skills required in the management of high-acuity cases in the pre-hospital phase including; traumatic cardiac arrests, penetrating trauma due to ballistics and edged weapons, torrential haemorrhage, burns and various environmental exposures such as temperature and pressure (diving) extremes.

### CSB338 Ethics and the Law in Health Service Delivery

Equivalent s	PUB486
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Paramedics and nurses are confronted by situations with ethical and legal implications for both practitioners and the patients they provide care to. Introducing ethical and legal awareness appropriate for the professional development of health professionals governed by regulation will support graduates. Using legal and ethical principles – in addition to regulatory structures, the National Law and human rights – this unit will help you resolve dilemmas using ethical and legal frameworks. It will provide you with the ability to access and understand information in relation to professional practise, policy, principles, legislation, conduct and standards.

### CSB339 Paramedic Management of Lifespan Emergencies

Pre-requisites	CSB333 or PUB383 or PUB390
Equivalent s	PUB566
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Obstetric and paediatric emergencies represent an important component of emergency ambulance practice. However these patient care groups are specialised in respect of their physiological and anatomical variances. There is also an additional emotional burden surrounding the management of these patients which will be explored. The impact of the growing ageing population on emergency and health services and the management of these patients will be discussed in a socio-cultural context.

### CSB340 Major Incident Management

Pre-requisites	(CSB335 or PUB451) and (CSB336 or PUB452) and (CSB337 or PUB453)
Equivalent s	PUB567
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

As a Paramedic you may be required to attend incidents involving multiple patients from transportation/industrial accidents, natural disasters or terrorist related events. The management of these events in a unique and unpredictable

environment creates real challenges, and requires timely application of evidence-informed decision-making. You will learn the principles of disaster health management and apply these to a variety of likely clinical scenarios.

### CSB341 Mental Health Issues in the Out-of-Hospital Environment

Pre-requisites	(CSB331 or PUB270) and (PYB007 or PYB111)
Equivalent s	PUB568
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

A significant proportion of calls for ambulance assistance relate to mental health concerns. As a practising health care professional you will require a contemporary understanding of mental health issues and the range of services available to people experiencing acute and chronic mental health issues. You will examine key mental health issues across the life-span and will develop an understanding of both acute and chronic presentations. This unit emphasises the importance of understanding mental health issues from the perspective of the patient, their carers' and other health care providers. You will have already completed clinical practice placements which will assist to contextualise the myriad of mental health issues encountered in pre-hospital practice.



### CSB342 Paramedic Clinical Practice 2

Pre-requisites	(CSB331 or PUB270) and (CSB340 or PUB567 or PUB555). CSB340 can be studied in the same teaching period as CSB342
Equivalent s	PUB532
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SUM-1

This unit is in the developmental stage of your course and builds on the work you learned in previous paramedic clinical units. This unit provides you with opportunities to strengthen your practice skills and provide evidence of your development as a clinician in a supervised environment. Additionally it is fundamental to this course that you are exposed to an appropriate case load of suitable patients in the out of hospital phase. This unit is the second in a series of three that provide the work integrated learning experience. Over a six week period, you will be required to complete approximately 240 hours of placement to be conducted externally through the Queensland Ambulance Service.

### CSB343 Paramedic Clinical Practice 3

Pre-requisites	CSB342 or PUB532 or PUB470
Equivalent s	PUB673
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is the third in a series of supervised clinical practice units designed to further develop your knowledge, skills and application of paramedic practice. At this stage of your degree you have now been exposed to the core content of the course. This unit synthesises your application of knowledge and clinical skills of safe patient care to a level where you can confidently take the lead when managing more complex clinical presentations as a novice practitioner. Over a six week period, you will be required to complete approximately 240 hours of placement to be conducted externally through the Queensland Ambulance Service. During this clinical placement your mentor will be expecting more leadership and evidence-based decision making from you as you consolidate your personal and professional readiness for practice as a patient care officer in a supervised student capacity, with a view to preparing you for the transition to being a Registered Paramedic after graduation.

### CSB346 Transition to Professional Paramedic Practice (Capstone)

Pre-requisites	CSB343 or PUB673 or PUB570. CSB343 can be studied in the same teaching period as CSB346
Anti-requisites	CSB344, CSB345
Equivalent s	PUB680
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

CSB346 consolidates knowledge, skills and attributes required for safe, competent, and professional practice as a beginning level Registered Paramedic. It integrates, and synthesises previous clinical and scientific support units, drawing upon concepts, principles and theories developed through your studies to promote effective practice and patient care. When you will commence your role as a Registered Paramedic, your level of expertise is at the beginner practitioner level. The capstone unit focuses on the development and demonstration of professional skills such as critical reflection necessary for paramedicine and highlights the importance of continuing professional development. As a professional practitioner, you will develop evidence-based knowledge and implement reflective processes to improve the quality of patient care. These strategies and processes are necessary for the transition into the workplace. The unit is delivered concurrently with the final clinical placement.

### CSB347 Community Paramedicine Principles and Practice

Pre-requisites	CSB335 and CSB336
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 10TP2

Estimates of the percentage of patients that present to an emergency department via ambulance that could be



managed safely outside of hospital ranges from 30% to 50%. The management of these patients in the community-based or primary care setting by paramedics is termed “community paramedicine”. Community paramedicine is an area of paramedic clinical practice that aims principally to improve patient outcomes by navigating the patient more efficiently through the health care system. Paramedics working in community paramedicine are therefore required to have a detailed understanding of the health system in which they operate, possess advanced patient assessment skills and work collaboratively with other healthcare professionals. This unit expands further on content from previous units, namely CSB111, CSB335 and CSB336, and provides you with further skills and knowledge to care more holistically for patients who do not require transport to a hospital emergency department.

### CSB420 Introduction to Pharmacy Practice

Pre-requisites	CSB111. CSB111 can be enrolled in the same study period as CSB420
Equivalent s	SCB208
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This foundational pharmacy practice unit will introduce the knowledge and skills related to the legal responsibilities and cognitive activities of a

pharmacist. This can include dispensing prescriptions, differential diagnosis of primary health conditions and scope of practice, selecting medications and counselling on their use, and basic business management. A particular emphasis of this unit will be to provide a foundation for practical knowledge, skills and application of knowledge and skills related to pharmacy practice. This will enhance students' experiential placement experience, and prepare students for more complex patient needs, which will commence in the second year of the pharmacy course.

### CSB421 Chemistry for Medicines

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

In their day-to-day activities, health professionals require a sound knowledge of the molecular mechanisms and biological actions of medicines, therapeutics and drugs. Such knowledge builds on foundational understandings of the biochemistry of the body and biomolecules and extends to encompass the molecular, chemical and physical properties of therapeutic agents, as well as how these properties influence their actions in living systems. Further, this unit provides the foundation knowledge underpinning more advanced studies in the clinical professions that administer therapeutics, including such

topics as pharmacy, exercise and sports physiology, nutrition, dietetics, pharmacology, medicinal chemistry and pharmaceuticals.

### CSB431 I Pharmacist

Pre-requisites	CSB111. CSB111 can be studied in the same teaching period as CSB431
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit builds on your previous studies in CSB111 Foundations of Clinical Practice and CSB420 Introduction to Pharmacy Practice. An effective pharmacist encompasses the skills described by the 8-star pharmacist, one who is a communicator, teacher, caregiver, leader, life-long learner, researcher, manager, and decision maker. This is the first in a suite of six units involving a placement experience. This unit will develop your understanding of your role as an effective pharmacist through experiential learning over three hours per week, over an eight week period. The skills, attributes and competencies you will learn in this unit will contribute to your developing sense of professional identity, and awareness of your role as a pharmacist in an inter-professional team.

### CSB432 Molecules to Medicines

Pre-requisites	CSB421
Credit Points	12

## Units

Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Following on from CSB421, this unit builds upon the concepts of medicinal chemistry, pharmacokinetics, drug design, dosage form design and formulations, and metabolism of pharmacological compounds. The unit explores the sources and properties of drugs which form the biologically active and therapeutic components of medicines. This unit will enhance your understanding of the chemistry of medicines, and the biology of cells and receptors to provide a context for the therapeutic use of medicines. This unit will follow a molecule's journey from discovery, design and development processes through the phases of clinical trials to regulation and approval as a medicine.

### CSB440 Pharmacy Practice 2

Pre-requisites	CSB430 and CSB433. CSB433 can be studied in the same teaching period as CSB440
Equivalent s	SCB408
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit extends students' knowledge of pharmacy practice in the areas of dispensing and counselling for medicines in selected cardiovascular and respiratory conditions, smoking cessation, topical inflammatory diseases, contraception and thyroid

disorders. This unit will introduce students to patient non-adherence, problem identification and effective strategies to overcome these obstacles to health management through effective patient communication. Building on previous learning, this unit will extend students' knowledge of the use of pharmaceutical databases to support clinical decision making and quality use of medicines (QUM). Practical experience will be gained by the students via experiential placements in community pharmacy. Additionally, this unit will facilitate the mastery in the proper use of a wide range of advanced pharmaceutical calculations, and preparation of extemporaneous pharmaceutical preparations.

### CSB441 Quality Use of Medicines

Pre-requisites	CSB431 and CSB420. CSB420 can be studied in the same teaching period as CSB441
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Pharmacists have the responsibility to protect consumers from harm by managing and responding to the risk inherent in medication management systems. This unit explores the role and responsibilities of the pharmacist as the medicines expert through knowledge and application of skills related to the safe, efficacious, appropriate, and judicious use

of medicinal products. Different patient populations will be introduced, building on conditions and therapies introduced in CSB420 Introduction to Pharmacy Practice, and skills from CSB431 I Pharmacist. This unit will also develop your understanding of your role as an effective pharmacist through experiential learning over a one week period.

### CSB444 Molecular Basis of Medicines

Pre-requisites	CSB432
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is designed to allow students to explore how biologically active molecules affect the body and how the body interacts with these molecules. This consists of target-oriented molecular design of drugs, drug design using molecular modelling, and structure-activity-relationships to examine drug-receptor, drug-enzyme and drug-drug interactions. This unit builds on knowledge from CSB432 to emphasise applied chemistry skills relating the structure of molecules to biological activity, pharmacokinetics, pharmacogenomics and drug analysis. This will provide students with a strong foundation for future integrated units in pharmaceuticals and pharmacotherapeutics.

### CSB445 Patient centred care: Musculoskeletal Dermatological and Special Senses

Pre-requisites	CSB441. CSB441 can be studied in the same teaching period as CSB445
Co-requisites	CSB446
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit builds on previous units studied to further develop knowledge and skills within the National Competency Standards Framework for Pharmacists in Australia, the Australian Pharmacy Council pharmacy learning domains for degree programs, and the World Health Organisation/International Pharmaceutical Federation's concept of the 8 star pharmacist. Knowledge and skills will be developed in the musculoskeletal, dermatological, and special senses context, a priority area that is a significant contributor to the burden of illness and/or injury in Australia. Through an inquiry based learning approach, you will participate in the interpretation, application and dissemination of pharmaceutical and pharmacotherapeutic concepts and knowledge.

### CSB446 Patient centred care: Gastrointestinal

Co-requisites	CSB445
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit builds on previous units studied to further develop knowledge and skills within the Framework of the National Competency Standards for Pharmacists in Australia, the Australian Pharmacy Council pharmacy learning domains for degree programs, and the World Health Organisation/International Pharmaceutical Federation's concept of the 8 star pharmacist. Knowledge and skills will be developed in the gastrointestinal context, a priority area that is a significant contributor to the burden of illness and/or injury in Australia. Through an inquiry based learning approach, you will participate in the interpretation, application and dissemination of pharmaceutical and pharmacotherapeutic concepts and knowledge.

### CSB450 Pharmacy Practice 3

Pre-requisites	CSB440 and CSB453. CSB453 can be studied in the same teaching period as CSB450
Equivalent s	SCB508
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit will focus on the professional interaction of pharmacists with patients suffering from endocrine diseases, in particular diabetes, a variety of central nervous system (CNS) disorders including epilepsy, insomnia, anxiety and depression, Alzheimer's and Parkinson's disease, addiction

and patients experiencing strong and debilitating pain from other disease states. Additionally, you will learn how to interact with patients withdrawing from drugs of addiction and the quality use of the both pharmacological and non-pharmacological therapies available for their treatment. This unit will also provide you with further knowledge and skills in the preparation of extemporaneous pharmaceutical preparations in common demand in today's health care environment.

### CSB451 Patient centred care: Cardiovascular

Pre-requisites	CSB446
Co-requisites	CSB454
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit builds on previous units studied to further develop knowledge and skills within the Framework of the National Competency Standards for Pharmacists in Australia, and the World Health Organisation (WHO) concept of the 8 star pharmacist - communicator, teacher, caregiver, leader, life-long learner, researcher, manager, and decision maker. These skills will be developed in the cardiovascular context, a priority area that is a significant contributor to the burden or illness and injury in the Australian community. Through a problem based learning approach, students will participate in the interpretation,



## Units

application and dissemination of pharmaceutical and pharmaco-therapeutic concepts and knowledge.

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

### CSB453 Pharmacology 3

Pre-requisites	CSB443
Equivalent s	SCB538
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

A detailed knowledge of the pharmacology of drugs and the pathophysiology of disease states is essential for pharmacists to understand the therapeutic applications of pharmaceutical compounds and their concomitant adverse effects. This unit will provide you with an extension of this knowledge and covers the drug classes that are used to treat diseases and disorder associated with the central nervous system, the endocrine system, migraines and glaucoma. The pharmacology of drugs of abuse and pharmacotherapies for withdrawal syndromes are also reviewed. This unit is horizontally integrated with CSB450 Pharmacy Practice 3 and provides the pathophysiology of the disease states studies in CSB450 and the mechanism of action of drugs used in their treatment.

### CSB454 Patient centred care: Respiratory

Pre-requisites	CSB446
Co-requisites	CSB451

This unit builds on previous units to further develop knowledge and skills within the Framework of the National Competency Standards for Pharmacists in Australia, and the World Health Organisation concept of the 8 star pharmacist. These skills will be developed in the respiratory context, a priority area that is a significant contributor to the burden or illness in the Australian community. Through a problem based learning approach, students will participate in the interpretation, application and dissemination of pharmaceutical and pharmaco-therapeutic concepts and knowledge. This unit will develop your understanding of your role as an effective pharmacist through experiential learning over a two week period. You will observe and/or participate in a variety of pharmacy operations, with a focus on respiratory, cardiovascular and renal, oncology and immunology, endocrine and reproductive health.

### CSB455 Patient centred care: Endocrine, Diabetes, Reproductive

Pre-requisites	CSB445
Co-requisites	CSB456
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit builds on previous units studied to further develop knowledge and skills within the Framework of the National Competency Standards for Pharmacists in Australia, and the World Health Organisation (WHO) concept of the 8 star pharmacist - communicator, teacher, caregiver, leader, life-long learner, researcher, manager, and decision maker. These skills will be developed in the endocrine, diabetes and reproductive context, a priority area that is a significant contributor to the burden or illness and injury in the Australian community. Through a problem based learning approach, students will participate in the interpretation, application and dissemination of pharmaceutical and pharmaco-therapeutic concepts and knowledge.

### CSB456 Patient centred care: Oncology and Immunology

Pre-requisites	CSB445
Co-requisites	CSB455
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit builds on previous units studied to further develop knowledge and skills within the Framework of the National Competency Standards for Pharmacists in Australia, and the World Health Organisation (WHO) concept of the 8 star pharmacist - communicator, teacher, caregiver, leader, life-long learner, researcher, manager, and decision maker.



## Units

These skills will be developed in the oncology and immunology context, a priority area that is a significant contributor to the burden or illness and injury in the Australian community. Through a problem based learning approach, students will participate in the interpretation, application and dissemination of pharmaceutical and pharmaco-therapeutic concepts and knowledge.

### CSB460 Pharmacy Practice 4

Pre-requisites	CSB450 and CSB463. CSB463 can be studied in the same teaching period as CSB460
Equivalent s	SCB608
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

The dispensing of scheduled drugs to the community requires expertise in drug knowledge, packaging, labelling and health regulations, communication techniques, compounding processes and the ability to understand and validate the diagnosis of clinical conditions. This unit will provide students with expertise to dispense pharmaceutical drugs that are used in the treatment of infectious diseases including antimicrobial and antiviral pharmacotherapies. In addition, this unit will provide expertise in wound care to enable students to assess wounds and recommend appropriate treatment in the community.

### CSB461 Pharmacogenomics and Drug Metabolism

Pre-requisites	CSB453
Equivalent s	SCB638
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

The effects of drugs in patients are determined in part by drug metabolizing enzymes. In addition, the ability of an enzyme to metabolize a drug is determined by genetic variability. A detailed understanding of these factors is necessary for pharmacists to understand drug selection, the biological fate of a drug following administration, the appropriate route of administration, the occurrence of adverse effects and the final effect of a drug. This unit will describe the biochemistry of drug metabolism and genetic factors (pharmacogenomics) that affect drug metabolism and variability of drug effects. The field of pharmacogenomics, is becoming increasingly important for understanding the contribution of the patient's genetic composition to drug effects. A greater understanding of the genetic composition of patients and pharmacogenomics could lead to the better use of drugs.

### CSB463 Pharmacotherapeutics 1

Pre-requisites	CSB453
Equivalent s	SCB648

Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

The dispensing and counselling of pharmacotherapies for infectious diseases requires an advanced knowledge, understanding and skills relevant to infectious disease diagnosis, the mechanism of action of pharmacotherapies, public health microbiology, sterility testing, regulation and quality assurance. Building upon the content and skills acquired in LQB301, this unit will converge your knowledge of the appropriate therapeutic use of drugs in the treatment of infectious diseases following a review of their pathophysiologic basis. Additionally, problem solving of clinical scenarios will synthesise your knowledge and critical thinking skills in the quality use of medicines for these pharmacotherapies. This unit also provides insight into the preparation and evaluation of meta-analyses used to review and analyse clinical trials.

### CSB464 Patient centred care: Neurology

Pre-requisites	CSB451 and CSB455
Co-requisites	CSB465
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit builds on previous units studied to further develop knowledge and skills within the

Framework of the National Competency Standards for Pharmacists in Australia, the Australian Pharmacy Council pharmacy learning domains for degree programs, and the World Health Organisation/International Pharmaceutical Federation's concept of the 8 star pharmacist. Knowledge and skills will be developed in the neurology context, a priority area that is a significant contributor to the burden of illness and/or injury in Australia. Through an inquiry based learning approach, you will participate in the interpretation, application and dissemination of pharmaceutical and pharmacotherapeutic concepts and knowledge.

### CSB465 Patient centred care: Mental Health

Pre-requisites	CSB454 and CSB456
Co-requisites	CSB464
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit builds on previous units studied to further develop knowledge and skills within the Framework of the National Competency Standards for Pharmacists in Australia, the Australian Pharmacy Council pharmacy learning domains for degree programs, and the World Health Organisation/International Pharmaceutical Federation's concept of the 8 star pharmacist. Knowledge and

skills will be developed in the mental health context, a priority area that is a significant contributor to the burden of illness and/or injury in Australia. Through an inquiry based learning approach, you will participate in the interpretation, application and dissemination of pharmaceutical and pharmacotherapeutic concepts and knowledge. This unit will also develop your understanding of your role as an effective pharmacist through experiential learning over a two week period. You will observe and/or participate in a variety of pharmacy operations, with a focus on mental health and neurology.

### CSB470 Pharmacy Practice 5

Pre-requisites	CSB460 and CSB473. CSB473 can be studied in the same teaching period as CSB470
Equivalent s	SCB708
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The pharmacy practice units in the 4th year of the B Pharmacy course will provide both advanced and updated information on the dispensing and counselling of drugs using case based clinical scenarios. Through a series of case based problems and scenarios that will involve a diverse range of diseases and disorders, the students will gain experience in the skills required to dispense medication and effectively communicate drug knowledge to patients and other health

professionals.

### CSB473 Pharmacotherapeutics 2

Pre-requisites	CSB463
Equivalent s	SCB748
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The unit covers selected advanced topics in cardiovascular, blood, thoracic, hepatic, endocrine, toxinology, bone and joint disorders and is horizontally integrated with CSB470 Pharmacy Practice 5 in terms of the scope and nature of disease states being studied and their associated pharmacotherapies. The administration of medicines for the management or treatment of pathological conditions requires an authoritative knowledge of both of these areas in addition to a critical appreciation of the clinical evidence and guidelines. Therefore the unit is presented by describing the pathological basis of disease. The pharmacotherapeutic basis of treatment is presented by providing current clinical authoritative and critical evidence and the rationale for the use of pharmacological agents. Detailed pharmacological mechanisms of drugs used for the management of disease will provide a basis for understanding drug interactions and adverse effects of these medicines.

### CSB476 Professional Placements 1

Pre-requisites	CSB470. CSB470 can be studied in the same teaching period as CSB476.
Equivalent s	SCB768
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The role of a contemporary pharmacist in providing healthcare products and advice consists of a diverse range of skills and abilities in the preparation of extemporaneous formulation, the dispensing of medications, counselling of patients and their families in their correct use and potential adverse effects and performing medication reviews. To assist you in developing expertise in these areas, this unit will provide "real world" experience through a long-term continuous placement in a community, hospital, rural or interprofessional environments under the supervision of qualified preceptors. These placements will consist of a four (4) week block that will commence in the in week 12 of the semester. This is a capstone unit/experience which provides a culminating learning experience occurring in the final year of a course that brings reflection and focus to the whole course experience whilst, at the same time, leading students to transition into new professional pathways and/or post-graduate study.

### CSB480 Pharmacy Practice 6

Pre-requisites	CSB470 and CSB483. CSB483 can be studied in
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	the same teaching period as CSB480
Equivalent s	SCB808
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The pharmacy practice units in the fourth year of the Bachelor of Pharmacy course will provide both advanced and updated information on the dispensing and counselling of drugs using case based clinical scenarios. Through a series of case based problems and scenarios that will involve a diverse range of diseases and disorders, and aspects of pharmaceutical care, the students will gain experience in the skills required to dispense medication and effectively communicate drug knowledge to patients whilst upholding the principles of Quality Use of Medicines (QUM), and an understanding of the provision of primary health care in the Australian Health system.

### CSB483 Pharmacotherapeutics 3

Pre-requisites	CSB473
Equivalent s	SCB848
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

A number of factors must be considered before a decision is made regarding the appropriateness of a drug to be prescribed and dispensed to a patient. This unit is the 3rd and final pharmacotherapeutics unit

in your pharmacy course and will provide you with an opportunity to build upon work that you have learned in previous pharmacotherapeutic units (CSB463 and CSB473) as well as affording you the opportunity to continue developing your problem-solving skills. CSB483 is also horizontally integrated with CSB480 Pharmacy Practice 6 and supports practise principles that are discussed within that unit. CSB483 will focus on the pathophysiology of neurological, oncological and renal disorders and you will be instructed on factors that determine the correct choice of therapeutic drug as well as providing an understanding of the pharmacology of these medications.

### CSB486 Professional Placements 2

Pre-requisites	CSB476 and CSB480. CSB480 can be studied in the same teaching period as CSB486.
Equivalent s	SCB868
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is designed to extend the students experiential skills in working in either a community of hospital pharmacy environment. The design and timetabling of the unit is similar to CSB476 Professional Placements 1, but the emphasis will focus less on the dispensing and counselling and more on developing and applying evidence-based



practice and QUM research. Placements will consist of a four (4) week block consisting of 5 working days that will commence in the 2nd half of the semester. This is a capstone unit/experience which provides a culminating learning experience occurring in the final year of a course that brings reflection and focus to the whole course experience whilst, at the same time, leading students to transition into new professional pathways and/or post-graduate study.

### CSB487 Clinical Skills

Pre-requisites	CSH471
Co-requisites	CSH481
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The effective delivery of healthcare services depends on the pharmacist working in partnership with patients to ensure recommended treatments and strategies meet clinical needs, are practical, and consistent with patient preferences. The delivery of healthcare services by pharmacists are important for enhancing patient access to needed care. This is of particular importance to patients who experience difficulties in accessing the health services that they need. It is therefore imperative for the pharmacy profession to build capacity for contribution in this area, in light of the evolving role of the pharmacist. This capstone unit focuses on your

competency to practice, and develops the required clinical and practical skills such as administering vaccination in a supervised experiential learning environment.

### CSB520 Disease Processes

Anti-requisites	LSB321, LSB361, LSB367
Equivalent s	LSB475
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit will provide you with knowledge of general cellular pathology, which includes cellular stress, cellular adaptation, cell death, neoplasia, inflammation, repair and immunity before applying this knowledge to the major systems of the body in order to understand the causes, pathogenesis and treatment underlying the common acute and chronic diseases prevalent in Australia. This unit will illustrate the multidisciplinary nature of modern healthcare and provide you with appropriate knowledge and skills that are required for your subsequent clinical studies.

### CSB521 Podiatric Medicine 1

Pre-requisites	LSB235 and LSB250
Equivalent s	PUB339
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces you to the clinical, theoretical and

professional domains of podiatric practice. You will transition toward becoming a clinician by gaining experience in the QUT Health Clinics, as well as continuing your academic learning. The application of prior knowledge including anatomy, physiology, disease processes and the integration of new knowledge, is encouraged through a case-based approach. You will develop clinical skills, theoretical knowledge and an understanding of professional standards and protocols. You will also build essential skills such as a self-directed approach to learning and the ability to work as part of a team. Evidence-based practice is introduced in a podiatric context.

### CSB522 Podiatric Medicine 2

Pre-requisites	(CSB521 or PUB339) and (CSB520 or LSB475) and CSB523
Equivalent s	PUB439
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit builds on the foundational knowledge and clinical skills acquired in Podiatric Medicine 1 and enables you to consolidate your skills and begin to effectively manage patients under staff supervision. Your clinical decisions will be informed by physical and diagnostic examinations conducted within the framework of technological, ethical, financial and legal



considerations and an evidence-based context. You will demonstrate clinical competencies at an introductory level and commensurate with national podiatry competency standards, professional guidelines and codes of conduct. Concepts in clinical biomechanics, foot disease and common foot conditions in adults are introduced and the content has been developed to enable you to integrate information from other units. You will increase your proficiency in examining and treating patients who have common foot conditions and continue to increase your awareness of the role of the podiatry profession in the community.

### CSB523 Podiatric Clinical Gait Analysis

Pre-requisites	LSB235
Equivalent s	PUB362
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

The evidence provided by gait analysis technology is quantitative and facilitates sound clinical decision making. In order to select and evaluate appropriate treatment interventions it is necessary to measure gait and determine musculoskeletal and neurological factors that influence foot and leg disorders. Therefore the process of collection, selection, processing and case

evaluation of gait analysis data is therefore fundamental and underpins the greater part of podiatry practice. It is important that these skills are acquired early in the course.

### CSB525 Podiatric Medicine and Clinical Practice

Equivalent s	PUB442
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Podiatric Medicine and Clinical Practice has been specifically designed for students entering the graduate entry podiatry course who have completed a prior degree in a health-related field. The unit introduces the knowledge and clinical skills required for podiatry students who are commencing patient management at the QUT Podiatry clinic. This unit involves clinical placement which requires you to have completed vaccinations for preventable diseases. You must also provide the related serology results. It is a 24 credit point unit equivalent to half of a full-time study workload. You will acquire foundational knowledge and skills in the areas of biomedical science (microbiology and lower limb anatomy), podiatric clinical biomechanics and gait analysis, podiatric medicine and podiatric clinical practice. The unit develops the application of your knowledge and skills in these areas to enable your transition into the third year of the Bachelor of Podiatry the following

semester.

### CSB530 Pharmacotherapeutics for Podiatrists

Pre-requisites	LSB384 or PUB437 or CSB601
Equivalent s	LSB584
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit will extend your knowledge of the pharmacology and the therapeutic use of the medicines administered and prescribed for the treatment of the disease states encountered in the scope of your professional podiatry practice in Australia. Selection of drugs and discussion of their therapeutic use by Podiatrists is based on the Clinical Practice Guidelines of the Podiatry Board of Australia, particularly Appendix B: List of Scheduled Medicines Approved by the Podiatry Board of Australia. Additionally, you will be introduced to resources available in Australia guiding you towards the appropriate selection and use of these medicines, including clinical trials and recognised clinical guidelines e.g. the Therapeutic Guidelines, Australian Medicines Handbook (AMH), Monthly Index of Medical Specialties better known as MIMS, Therapeutic Goods Administration (TGA). Critical assessment of such resources is essential for the practice of Quality Use of Medicines.

### CSB531 Radiographic Image Interpretation

Pre-requisites	CSB521 or CSB522 or CSB525 or PUB439 or PUB442. CSB521 or CSB525 can be studied in the same teaching period as CSB531
Equivalent s	PUB537
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

In this unit you will integrate the theory of medical imaging with podiatry practice at a level corresponding to third and fourth year clinical exposure in preparation for entry to the work place. Diagnostic imaging is an integral part of contemporary podiatry practice. As a registered podiatry practitioner you are legally entitled to refer for x-rays, sonography and magnetic resonance imaging for diagnostic purposes. The knowledge and skills covered in this unit are applied in various clinical settings on a regular basis. This unit is positioned in the course so that it can be studied in association with pathology and medicine. These subjects are closely interconnected in the clinical setting. The unit helps to prepare you for the forthcoming challenges of complex case management which will be encountered in fourth year clinical sessions.

### CSB532 Medicine

Pre-requisites	CSB522 or CSB525 or PUB439 or PUB442
Co-requisites	CSB530
Equivalent	PUB438

s	
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Many of the patients treated by podiatrists present with co-morbidity which affects their foot health. This unit provides a medical basis for clinical practice in the 3rd and 4th years of the course. It provides you with insight into medical conditions, their effects on general and foot health, and an understanding of how appropriate foot care may be delivered with these factors in mind. You should be able to recognise and understand the related theory and clinical features, pathogenesis and significance of medical conditions likely to be seen in clinical practice. The podiatrist is constantly involved in the diagnosis and treatment of foot conditions in patients with associated medical comorbidity, particularly dermatological disorders which are also discussed in this unit.

### CSB533 Podiatric Medicine 3

Pre-requisites	CSB522 or CSB525 or PUB439 or PUB442
Equivalent s	PUB539
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit further develops professional understanding of the general and specific effects of medical and surgical conditions on the human foot. The clinical experience

presented builds on the theory introduced in Podiatric Medicine 2. The unit allows you to further develop clinical practice skills by integrating content from other units such as Pharmacotherapeutics for Podiatrists, Disease Processes, Medicine, Radiographic Image Interpretation. In addition, you will be required to analyse theoretical models of podiatric biomechanics.

### CSB536 Clinical Therapeutics for Podiatrists

Pre-requisites	CSB532 and (CSB530 or LSB584)
Co-requisites	CSH534
Equivalent s	PUB662
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Clinical Therapeutics for Podiatrists builds on foundational studies in physiology, disease processes, medicine, podiatric medicine, pharmacology and pharmacotherapeutics. This unit recognises the need to equip you for the changing role of the podiatrist in managing patients' health by prescribing medicines. You will develop the theoretical and practical knowledge and skills necessary to safely prescribe and/or administer medications and restricted substances for treatment of podiatric conditions. You will collaborate with members of the health care team (pharmacists and medical practitioners) with

reference to appropriate information resources. Podiatrists make complex clinical decisions that require the practitioner to consider legal, ethical, pharmacological, medical and patient factors as they determine the most efficacious therapeutic approaches to treatment. This unit provides a basis to acquire the practical skills to complete this task.

### CSB538 Sports Medicine and Rehabilitation

Pre-requisites	(CSB522 and CSB531) or (CSB525)
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Podiatrists encounter patients with a wide range of musculoskeletal problems. It is important, therefore, to understand the causes of musculoskeletal injury and then differentiate between the appropriate treatment of these injuries using a wide range of techniques. This unit provides you with a theoretical and practical background in the diagnosis and management of orthopaedic and sports-related injuries. The unit builds on a thorough understanding of anatomy, physiology, and pathology and is designed to provide students with the confidence to independently manage these problems in specialist clinics which occur later in the program. The unit concentrates on the principals of injury management, outlines appropriate physical therapy and rehabilitation methods and

highlights the roles of various health professionals in a team approach to management of sports conditions.

### CSB539 Podiatric Anaesthesiology and Surgery

Pre-requisites	CSB530 and CSB532 and CSB533
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is designed to provide you with the knowledge and skills associated with the safe administration of local anaesthetics and performance of minor surgical techniques. You will conduct client interviews and collect information relevant to both the health of the patient and their consent for the clinical procedure. You will also learn about the need, when appropriate, for additional examinations, tests and referrals to be initiated. Sterilisation standards at a national/international level will be implemented as part of your clinical experience. This unit provides you with the background knowledge and skills to implement podiatric surgical techniques and the correct packaging and sterilisation of surgical instrumentation. You will develop a level of competency commensurate with the safe use of local anaesthetics in clinical practice and the implementation of surgical skills and techniques. On completion, you should understand the principles of relevant surgical protocols.

### CSB541 Professional Placement 1

Pre-requisites	CSH545 or PUB739. CSH545 can be studied in the same teaching period as CSB541
Equivalent s	PUB738
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Workplace Integrated Learning (WIL) is integral to QUT's approach to teaching and learning. It meets the expectations of the Podiatry Board of Australia and the National Podiatry Competency Standards. Within Professional Placement 1 you must undertake external clinical placements in a variety of settings. Professional competency embodies the ability to transfer and apply skills and knowledge from one situation to another. Your confidence and resilience in approaching the challenges associated with placement must be developed. This is achievable through exposure to podiatry practice in diverse settings within the broader health care system. Preparing you to enter the workplace as a professional requires equipping you with the capacity for reflective practice and lifelong learning. This is the first of two professional placement units, within the final year of the podiatry degree.

### CSB542 Professional Placement 2

Pre-requisites	CSB541 and (CSB545 or CSH545)
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## Units

Equivalent s	PUB838
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Professional Placement 2 will build upon and broaden your clinical experience through exposure to a variety of Workplace Integrated Learning environments, while consolidating knowledge and skills acquired across the course. An appreciation of social determinants of health, foot health needs in the community, and the professional role and responsibilities of podiatrists in the community will be explored. You will experience team work and collaboration with a range of health professionals in an interdisciplinary environment. This unit will develop your capacity for reflection and form the basis for lifelong learning in professional practice, while consolidating knowledge and skills acquired across the course. This final semester unit is designed to prepare you for entry into the workplace upon graduation as a registered health professional.

### CSB544 Transition to the Clinical Profession

Pre-requisites	CSB545 or CSH545
Equivalent s	PUB862
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This final year unit identifies the legal, ethical, financial and

professional frameworks that guide practice management in the public and private health sectors. As pre-professionals, you will combine administrative and organisational skills to ensure the delivery of safe, effective, efficient, high quality health services in compliance with relevant laws, policies and guidelines. Essential knowledge in accounting, marketing, human resources, project management and professional management is applied to 'real world' tasks in this capstone unit to prepare you for transition to the management responsibilities of professional practice. The unit prepares you for the workplace by ensuring that you can effectively apply principles of ethical professional practice and management within the relevant legal frameworks.

### CSB549 Podiatric Medicine 6

Pre-requisites	CSB545 or CSH545
Anti-requisites	PUB839
Equivalent s	PUB840
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

In this final semester, you should demonstrate proficiency in integrating knowledge and skills obtained throughout the course, applying them in a supervised university podiatry clinic setting. Your clinical decisions should be informed by relevant physical and diagnostic examinations, conducted within the

framework of technological, ethical, financial and legal considerations and an evidence-based context. National and international medical, orthopaedic, pharmacological and podiatric perspectives guide the design, implementation and evaluation of complex patient management plans. At this point in the course (capstone unit), you should demonstrate clinical competencies at a level commensurate with national podiatry competency standards, professional guidelines and codes of conduct.

### CSB601 Introduction to Clinical Therapeutics for Health

Pre-requisites	(LQB185 or LSB111 or LQB285 or LSB282 or LSB382 or LQD185) or ((LSB142 or LSB235) and (LQB281 or LSB250)). (LQB185 or LSB111 or LQB285 or LSB282 or LSB382) can be enrolled in the same study period as CSB601
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

Health practitioners play a variety of roles in relation to drug therapy for improved health outcomes in patients. Depending on your scope of practice, with patients you care for you might prescribe, dispense, administer or review and evaluate the effects of medicines. In order to assume these roles and responsibilities consistent with clinical, professional, organisational and legislative requirements, knowledge of the



pharmacology, clinical therapeutics and the principles of Quality Use of Medicines (QUM) must inform the health practitioner's medication decision-making. This unit forms a foundation for further clinical practice and will draw upon and expand your knowledge of body systems, physiology and disease processes that was taught in previous units.

### CSH057 Image Interpretation

Pre-requisites	CSB041 and CSB044
Equivalent s	CSB057
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit builds on both theoretical knowledge and technical skills achieved in first and second year radiography, anatomy and pathology units and concentrates on application of this knowledge to practice. Image interpretation is an essential component of general radiographic skills, with a basic knowledge of the principles of imaging techniques, their clinical applications and an appreciation of the appearances of major disease processes on diagnostic images a necessary requirement for radiographers. You will gain practical skills in image interpretation and this unit provides you with the underpinning theory and practice. At this level you are expected to engage with the literature base in order to

support your work and you will have specific support for this via the practical sessions.

### CSH059 Advanced Imaging Applications

Pre-requisites	CSB037 and CSB048 and CSB049
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit further develops your knowledge, skills and application of advanced imaging and builds on the unit Medical Imaging Applications in Radiation Therapy. This unit provides you with a sound understanding of the use of advanced medical imaging within radiation therapy, prior to transitioning to the capstone units in fourth year.

### CSH068 Advanced Imaging Practice 1

Pre-requisites	(CSH057 or CSB057) and (CSB058 or CSB053)
Equivalent s	
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is the expected advanced knowledge level of your course and builds on the developmental activities in clinical reasoning and problem-solving from CSB057 Image Interpretation and CSB041 Specialised Imaging Techniques. This unit provides you with opportunities to provide evidence of your clinical reasoning and problem-solving skills prior to transition

to the capstone units in fourth year. This unit prepares you for the capstone units, CSB070 Transition to Professional Practice 1 and CSH080 Transition to Professional Practice 2. The unit content includes application of advanced knowledge to advanced imaging techniques and roles.

### CSH074 Holistic Cancer Management

Pre-requisites	CSB069 and CSB094 and CSB095
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit builds on the skills you have developed in previous academic and clinical units. This unit provides you with opportunities to develop your problem-solving skills and prepare you for the final clinical capstone units.

### CSH075 Transitioning to Professional Practice 2

Pre-requisites	CSB078 and CSH074
Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is a capstone unit/experience which provides a culminating learning experience occurring in the final year of a course that brings reflection and focus to the whole course experience whilst, at the same time, leading you to transition into professional pathways and/or post-graduate study. This is the

second of the transitional capstone units across the final year and requires you to integrate and apply your previously developed knowledge and skills in radiation therapy in a clinical context. You will consolidate your professional practice skills in workload management and clinical efficiency particularly in relation to simulation/CT, treatment planning and treatment. As you progress to a reflective ethical practitioner, this unit provides the opportunity for you to operate with an increasing level of intellectual independence whilst still under supervision.

### CSH076 Advanced Quality Assurance

Pre-requisites	CSB069 and CSB094 and CSB078
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This capstone unit will integrate the knowledge and skills acquired from previous units to incorporate advanced quality assurance concepts in radiation therapy. You will investigate opportunities for data analysis and apply critical thinking and problem-solving skills to address risk management for radiation therapy incidents. This unit aims to consolidate the planning and treatment units by incorporating Quality Control (QC) and Quality Assurance (QA).

### CSH077 Research Project in Contemporary Clinical Practice

Pre-requisites	CSH077-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Medical imaging practice is a rapidly advancing field and research has a place in informing professional practice. This final year unit further develops your research skills in conducting a research project to source new knowledge applicable to contemporary clinical practice. You will apply the skills developed in both CSH600 Evidence-Based Clinical Practice and PUB561 Statistical Methods in Health to complete an individual research project of relevance to contemporary professional practice in medical imaging.

### CSH077 Research Project in Contemporary Clinical Practice

Pre-requisites	CSH600
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Medical imaging practice is a rapidly advancing field and research has a place in informing professional practice. This final year unit further develops your research skills in conducting a research project to source new knowledge applicable to contemporary clinical practice. You will apply the skills developed in both CSH600 Evidence-Based Clinical Practice and PUB561

Statistical Methods in Health to complete an individual research project of relevance to contemporary professional practice in medical imaging.

### CSH080 Transition to Professional Practice 2

Pre-requisites	CSB070 and CSB071 and (CSH068 or CSB068)
Equivalent s	
Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2, SUM

This is the second of the transitional capstone units and requires you to integrate and apply your previously developed knowledge and skills in medical imaging in a clinical context. The unit focuses on professional approaches to the scope of clinical practice and includes online learning activities. You will consolidate your professional practice skills in workload management and clinical efficiency particularly in relation to general radiography and minor procedures. As you progress to a reflective ethical practitioner, this unit provides the opportunity for you to operate with an increasing level of intellectual independence whilst still under supervision.

### CSH081 Advanced Imaging Practice 2

Pre-requisites	CSB041, (CSH057 or CSB057), and (CSH068 or CSB068)
Equivalent s	
Credit Points	12

## Units

Campus	Gardens Point
Availability	<b>Gardens Point</b> - SEM-2

This capstone unit will integrate the knowledge and skills acquired from previous units in imaging investigations to advanced imaging applications. The unit integrates the skills and knowledge in clinical reasoning and problem solving previously developed across the curriculum, particularly in regard to advanced scope of practice roles. This unit provides you with opportunities to provide evidence of your radiographic imaging skills, clinical reasoning and problem-solving skills prior to completion of your course.

### CSH466 Pharmacist Prescribing

Pre-requisites	CSB454, CSB455 and CSB456
Co-requisites	CSB464 and CSB465
Credit Points	12
Campus	Gardens Point
Availability	<b>Gardens Point</b> - SEM-2

This capstone unit builds on the patient-centred care units to further develop knowledge and skills within the NPS prescribing competencies, to prepare students to be future pharmacist prescribers. The context will build from prescribing of pharmacy and pharmacist only medicines, towards the full scope of medicine prescribing (for when this is legally authorised). This unit will lead into the 4th year capstone units CSH471 Advanced Clinical Practice 1, and CSH481 Advanced Clinical Practice 2. It will provide you

with stepping stones to advance your clinical skills, preparing for your core practice in routine situations by developing the technical, clinical, personal and professional skills relevant to the day-to-day practice, and forming the basis of an advanced pharmacy practice framework.

### CSH471 Advanced Clinical Practice 1

Pre-requisites	CSB464, CSB465 and CSH474. CSH474 may be studied in the same teaching period as CSH471.
Credit Points	12
Campus	Gardens Point
Availability	<b>Gardens Point</b> - SEM-1

This unit is in the fourth year of your course, and builds on your acquired knowledge and skills of your previous units of study and leads into CSH481 Advanced Clinical Practice 2, and aligns with CSH472 Business of Healthcare. It will provide you with stepping stones to advance your clinical skills, preparing for your core practice in routine situations by developing the technical, clinical, personal and professional skills relevant to the day-to-day practice, and forming the basis of an advanced pharmacy practice framework.

### CSH472 Business of Healthcare

Pre-requisites	CSB464 and CSB465
Credit Points	12
Campus	Gardens Point
Availability	<b>Gardens Point</b>

es	- SEM-1
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This unit consolidates students' knowledge of business management concepts from the previous study in the undergraduate pharmacy program, and delivers theoretical content on more advanced level business concepts. The unit will provide authentic real world learning to facilitate the application of business management concepts to contemporary and future sustainable pharmacy practice.

### CSH474 Applying Research in Practice 1

Pre-requisites	CSH600 or CSB600
Credit Points	12
Campus	Gardens Point
Availability	<b>Gardens Point</b> - SEM-1

This unit is a culminating learning experience occurring in the final year of your course that brings reflection and focus on evidence based practice, research and the provision of effective care. Fostering your research skills which you will use for your project during placement in a range of professional practice settings (in CSH471), aligns with the National Competency Standards Framework for Pharmacists.

### CSH477 Evidence-based Healthcare: Practice informing research 1

Pre-requisites	CSH600 and CSB444 and CSH474. CSH474 can be studied in the same teaching period as CSH477
Credit	12



## Units

Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

In the fourth year of your study program, this unit is grounded in basic science, consolidating your practical laboratory knowledge and research skills. It is about practice informing/driving research and using lab/practical skills to investigate a clinically relevant question relating to formulation. You will put into practice basic science from previous learning, in the wider context of sustainability and innovation, and critically apply your knowledge and skills in formulation and/or dosage form design, to address a clinical need.

### CSH481 Advanced Clinical Practice 2

Pre-requisites	CSH471 and CSH484. CSH484 can be studied in the same teaching period as CSH481
Co-requisites	CSB487
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit integrates your accumulated knowledge, skills and expertise while emphasising your capacity to contribute to health care, and the attributes and behaviours associated with being job-ready. It will build on CSH471 to advance your clinical and research skills which are registerable competencies for pharmacists. Your core practice in routine and emerging practice will develop the technical, clinical, personal,

professional and researcher skills relevant to contemporary pharmacy practice. You will apply skills and knowledge you have acquired from the research methods units CSH474 and CSH484. You will develop your understanding of your role as a pharmacist through experiential learning over a four week period, which will include completing an independent quality use of medicines (QUM) research project.

### CSH484 Applying Research in Practice 2

Pre-requisites	CSH474
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is a final semester (capstone) unit that brings reflection and focus on evidence based practice, research, and the provision of effective care. It utilises the skill sets that were introduced in CSH474 and further develops these research skills providing approaches to publishing data and obtaining research funding. This unit extends from previous units that have introduced research methodology (CSH474) and have incorporated research projects and data acquisition (e.g. QUM placement project CSB471). It also aligns with activities run in adjacent units (CSH488) to provide additional support in research methodology. Research skills are a registerable competency in your future role as a

pharmacist, so this unit provides opportunities for you to refine your critical evaluation skills to address knowledge gaps, identify areas for innovation and advances in practice.

### CSH488 Evidence-based Healthcare: Practice informing research 2

Pre-requisites	CSH477 and CSH484. CSH484 can be studied in the same teaching period as CSH488
Anti-requisites	CSH489
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

In the fourth year of your study program, this unit explores current research thinking that supports pharmacists to practice to their full scope of expertise e.g. cognitive service delivery to enhance human health and well-being. This unit aims to utilise the critical and creative thinking skills you have to date, to conceptualise and problem-solve contemporary research topics relevant to pharmacy practice.

### CSH534 Podiatric Medicine 4

Pre-requisites	CSB533
Equivalent s	PUB639, CSB534
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is designed to extend your clinical expertise by fostering independent case investigation, communication



and clinical case management. This experience will provide exposure to the treatment of complex cases requiring higher order problem solving ability and the ability to link information from your previous studies. You will be expected to successfully implement a range of treatments and consolidate skills acquired in operative mechanical, chemical and physical therapies. Diagnostic skills will be developed with a wider range of patients being treated and the specialised study of disciplines such as dermatology, podiatric surgery and radiology further integrating academic and clinical studies. Treatment within the areas of paediatrics and diabetes, including therapeutic intervention will be emphasised. You will demonstrate clinical competencies at a developing level and commensurate with national podiatry competency standards, professional guidelines and codes of conduct.

### CSH545 Podiatric Medicine 5

Pre-requisites	(CSH534 or CSB534) and CSB538
Anti-requisites	
Equivalent s	
Credit Points	24
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

In this final year unit, you will be required to integrate and synthesise knowledge, practical, clinical and problem-

solving skills acquired across the course. Clinical decisions are informed by relevant physical and clinically appropriate diagnostic examinations conducted within the framework of technological, ethical, financial and legal considerations and an evidence-based context. National and international medical, orthopaedic, pharmacological and podiatric perspectives guide the design, implementation and evaluation of complex patient management plans. Your transition to pre-professional practice begins as you perform these tasks at a range of clinical facilities with close supervisor support. You will gain experience in the management of the high risk foot as well as paediatric, musculoskeletal, surgical and general conditions of the lower limb as part of your placement rotations during semester.

### CSH547 Current Theory of Podiatric Medicine

Pre-requisites	(CSH534 or CSB534) and (CSH545 or CSB545). (CSH545 or CSB545) may be studied in the same teaching period as CSH547.
Equivalent s	
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

This final year unit integrates a broad scope of advanced podiatric medicine knowledge. Health professionals are required to integrate a large body of specialised knowledge

in their day to day clinical decision making processes. Skills in ongoing learning and research are essential for continuing professional development and improvement of clinical practice. Theory covered in this unit supports the companion clinical units, Podiatric Medicine 5 and Professional Placement 1, which are comprised largely of Work Integrated Learning experiences inclusive of external placement sites and the on campus QUT Health Clinic.

### CSH548 Podiatric Medicine 6 for Honours

Pre-requisites	CSH545 or CSB545
Equivalent s	CSB548
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

In this final year honours unit, you will demonstrate proficiency in integrating and synthesising knowledge, practical, clinical and problem-solving skills acquired across the course. Your clinical decisions will be informed by relevant physical and diagnostic examinations conducted within the framework of technological, ethical, financial and legal considerations and an evidence-based context. National and international medical, orthopaedic, pharmacological and podiatric perspectives guide the design, implementation and evaluation of complex patient

## Units

management plans. Your transition to professional practice begins as you perform these tasks at a range of clinical facilities with supervisor support. You will demonstrate clinical competencies at a level expected of a new graduate and commensurate with national podiatry competency standards, professional guidelines and codes of conduct. You will undertake placement rotations in all clinical areas of podiatry during semester.

### CSH600 Evidence-Based Clinical Practice

Pre-requisites	CSB111
Equivalent s	
Credit Points	12
Campus	Kelvin Grove
Availabili ties	<b>Kelvin Grove</b> - SEM-1, SEM-2

The volume of medical and health care literature now available is significant and increases exponentially every year. As a practising health care professional, you will be expected to systematically inform your practice using sound scientific methods. Developing a skill set which allows you to identify the best available evidence and apply it judiciously to inform practice improvement is critical to fulfilling your role as a health care professional.

### CSN021 Cardiac Ultrasound 1

Pre-requisites	CSN025. CSN025 can be studied in the same teaching period as CSN021
Equivalent s	PCN155

Credit Points	12
Campus	Gardens Point and External
Availabili ties	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

Cardiac ultrasound (echocardiography) is a highly specialised technique for the assessment of the human heart. This unit of the course provides an understanding of two-dimensional echocardiography and M-mode (motion mode) echocardiography in the assessment of the adult heart. In addition, this unit includes a detailed understanding of the two-dimensional, M-mode and spectral and colour Doppler components of the examination as well as a detailed knowledge of cardiac anatomy and physiology and electrocardiographic (ECG) interpretation.

### CSN022 Cardiac Ultrasound 2

Pre-requisites	CSN021 and CSN031. CSN031 can be studied in the same teaching period as CSN022.
Credit Points	12
Campus	Gardens Point and External
Availabili ties	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

The field of medical ultrasound is scientifically based in an environment that is rapidly changing and undergoing considerable technological advancement. Cardiac ultrasound (echocardiography) is a highly specialised technique for the assessment of the human heart. This unit

extends and builds on the content of CSN021 Cardiac Ultrasound 1 by introducing the principles and clinical applications of Doppler Echocardiography in the assessment of the adult heart as well as basic haemodynamic principles and calculations.

### CSN023 Cardiac Ultrasound 3

Pre-requisites	(CSN022 or PCN259) and (CSN031 or PCN497-2)
Equivalent s	PCN359
Credit Points	12
Campus	Gardens Point and External
Availabili ties	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

This unit extends and builds on the content of CSN021 Cardiac Ultrasound 1 and CSN022 Cardiac Ultrasound 2 by introducing concepts and techniques of the more complex haemodynamic calculations and by discussing the applications of these techniques in the evaluation of cardiac valvular disease and prosthetic heart valves and complications.

### CSN024 Advanced Cardiac Ultrasound

Pre-requisites	CSN023 and CSN032
Credit Points	12
Campus	Gardens Point and External
Availabili ties	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

This unit extends and builds on the content of units CSN022 and CSN023 by introducing

more advanced applications of echocardiography. In particular, this unit covers the role of echocardiography in the assessment of complex cardiac diseases such as pericardial disease, cardiac masses, systemic diseases with cardiac involvement and congenital heart defects. This unit also explores the roles of other cardiac diagnostic imaging methods that are complementary to echocardiography.

### CSN025 Principles of Medical Ultrasound

Equivalent s	PCN162
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

The field of medical ultrasound is scientifically based in an environment that is rapidly changing and undergoing considerable technological advancement. An understanding of the physical processes of ultrasound, the equipment design features and the interactions of sound in human tissue are essential for professionals working in this field. This unit is offered as a foundation unit early in the program to ensure you have a fundamental understanding of the physical principles of ultrasound; the knowledge gained can then be applied to other units offered in the ultrasound courses.

### CSN026 Ultrasonic Examination 1

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

Specialised knowledge of the diagnostic potential of medical ultrasound imaging is essential for the operator to perform effective examinations. This unit provides a detailed understanding of the fundamental ultrasound examinations of the abdomen and pelvis. It is offered in the first semester to ensure you obtain a comprehensive understanding of these primary skills before progression to more advanced techniques.

### CSN027 Ultrasonic Examination 2

Pre-requisites	CSN025
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

Specialised knowledge of the diagnostic potential of medical ultrasound imaging is essential for the operator to perform effective examinations. This unit builds on the content of the unit CSN026 Ultrasonic Examination 1 introducing more advanced ultrasound examinations that are encountered in clinical practice. This unit includes the ultrasound techniques used to examine the head, neck and peripheral organs and the

ultrasonic appearance of normal and abnormal anatomy and pathology. It also describes the basic ultrasound techniques used in the 1st, 2nd and 3rd trimester of pregnancy. These topics are offered in the second semester of the course so that you have had time to understand the fundamentals of Medical Ultrasound which are outlined in the subjects CSN026 Ultrasonic Examination 1 and CSN025 Principles of Medical Ultrasound.

### CSN028 Advanced Ultrasound Topics 2

Pre-requisites	CSN026 and CSN027
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

Specialised knowledge of the diagnostic potential of medical ultrasound imaging is essential for the operator to perform effective examinations. This unit extends and builds on the content of the units CSN026 Ultrasonic Examination 1 and CSN027 Ultrasonic Examination 2 and covers Vascular and Musculoskeletal topics. This unit is offered in the second year of the course in order for you to apply knowledge gained in the first year to more advanced topics.

### CSN029 Advanced Ultrasound Topics

Pre-requisites	CSN026 and CSN027
Credit Points	12

## Units

Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

Specialised knowledge of the diagnostic potential of medical ultrasound imaging is essential for the operator to perform effective examinations. This unit extends and builds on the content of the units CSN026 Ultrasonic Examination 1 and CSN027 Ultrasonic Examination 2. This unit is offered in the second year of the course in order for you to understand the basics of Medical Ultrasound which are outlined in the subjects CSN026 Ultrasonic Examination 1, CSN025 Principles of Medical Ultrasound and CSN027 Ultrasonic Examination 2.

### CSN031 Cardiac Ultrasound Clinical Practice 1

Pre-requisites	CSN021 and CSN022. CSN022 can be studied in the same teaching period as CSN031
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2, SEM-2 <b>External</b> - SEM-2, SEM-2

This unit is the first of three units in which you will progressively develop your clinical practice and experience. This unit builds on basic skills, knowledge and abilities gained in the unit CSN021 Cardiac Ultrasound 1. In this unit, basic instrumentation skills are refined and expanded, and echocardiographic skills are

developed through employment and training in a QUT approved clinical department. Clinical skills are evaluated by QUT academic staff and QUT approved clinical supervisors, in consultation with QUT academic staff.

### CSN032 Cardiac Ultrasound Clinical Practice 2

Pre-requisites	CSN031 and CSN023. CSN023 can be studied in the same teaching period as CSN032.
Equivalent s	PCN597-1, PCN597-2
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>External</b> - SEM-1, SEM-1

This unit provides the second opportunity in the course for you to be involved in extensive clinical experience that is complementary to all other units in the course. This unit further builds your skills, knowledge and abilities gained in the unit CSN031 Cardiac Ultrasound Clinical Practice 1. Your specialist skills will be further refined and expanded, and advanced echocardiographic skills will be developed through employment and training in a QUT approved clinical department.

### CSN033 Medical Ultrasound Clinical Practice 1

Pre-requisites	CSN025
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

In this unit, the specialised sonographic skills are developed through employment and training in a QUT approved clinical department. Clinical skills are developed and evaluated by QUT approved clinical supervisors, in consultation with QUT academic staff. Your skills as a student sonographer will be developed from a novice level to an advanced beginner. This unit is offered in the second semester of the first year of the course in order for you to thoroughly develop the necessary sonographic techniques required for many routine ultrasound examinations.

### CSN034 Medical Ultrasound Clinical Practice 2

Pre-requisites	CSN033
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

This unit builds on the skills, knowledge and abilities gained in CSN033 Medical Ultrasound Clinical Practice 1. In this unit, sonographic skills are refined and expanded with more advanced skills developed through employment and training in a QUT approved clinical department. Clinical skills are developed and evaluated by QUT approved clinical supervisors, in consultation with QUT academic staff. This unit is offered in the second semester of the second year of the course in order for you to thoroughly develop the



necessary sonographic techniques required for many advanced ultrasound examinations.

### CSN035 Cardiac Ultrasound Clinical Practice 3

Pre-requisites	CSN032 and CSN023
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>External</b> - SEM-2, SEM-2

This unit provides the third opportunity in the course for extensive clinical experience that is complementary to all other units in the course. This unit builds on skills, knowledge and abilities gained in the unit CSN032 Cardiac Ultrasound Clinical Practice 2. Your specialist skills will be further refined and expanded, and advanced echocardiographic skills will be developed through employment and training in a QUT approved clinical department. During this clinical placement you will be working more autonomously, with minimal supervision while delivering the highest level of patient care.

### CSN500 Clinical Therapeutics for Health

Anti-requisites	LSB584, PUB662
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-1, SEM-2, SEM-2

The Clinical Therapeutics unit provides you with a sound knowledge of biomedical science, pharmacology and

therapeutics in the context of professional practice. The unit provides essential foundational knowledge in therapeutics and areas of assessment, diagnostics and management including quality use of medicines. It utilises contemporary resources, such as modules from the National Prescribing Service as well as relevant guidelines. The unit provides knowledge and skills for the safe prescribing of scheduled medicines by health practitioners. To equip health professionals with knowledge, skills and expertise required to contribute to the development of management and evaluation practices, such as the use of scheduled medicines.

### CSN501 Podiatric Therapeutics 2

Pre-requisites	CSN500
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2, SEM-2

This is the second unit in the Podiatric Therapeutics course. This unit builds on the theoretical concepts introduced in Podiatric Therapeutics 1 (CSN500) and requires a sound understanding of physiology, disease processes, medicine, pharmacology and pharmacotherapeutics. The unit provides you with a practical understanding of the use of scheduled medicines in the therapeutic management of foot and related lower limb disorders. Podiatrists make therapeutic decisions that require consideration of legal,

ethical, financial, pharmacological, medical and patient factors before delivering the most efficacious, safe and appropriate treatment, including no treatment. This unit will equip you with the skills necessary to utilise scheduled medicines in clinical practice, including how and when collaboration with members of the health care team is required and how to access appropriate information resources to guide therapy.

### CVB101 General Chemistry

Anti-requisites	CZB190
Equivalent s	SCB111
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This foundation chemistry unit covers the core concepts and laboratory practices that we use to define the nature of atoms and the different forms of matter, to quantify chemical reactions & chemical reaction processes through the application of thermochemistry, kinetics and chemical equilibria. The understanding of these chemical concepts is essential to knowing why matter in our universe exists in specific forms and how it transforms. This knowledge is the foundation upon which the other scientific disciplines and applied disciplines are based. This is an introductory unit. The knowledge and skills developed in this unit are

relevant to both chemistry major students and non-majors alike. CVB102 Chemical Structure & Reactivity builds on this unit by focusing on applications to chemical reactions and their relationship to chemical structure, with a particular focus on organic chemical synthesis and laboratory practices and reporting requirements with regards to organic chemistry.

### CVB102 Chemical Structure and Reactivity

Anti-requisites	CZB190, LQB180
Equivalent s	SCB121
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Chemistry relates to all aspects of our lives. An understanding of chemistry is necessary to make sense of our world and to address the global challenges faced by our society. Together with its companion unit, CVB101 General Chemistry, this unit provides you with a foundation in the science of Chemistry. It focuses on how atoms bond to form molecules, and the models chemists use to understand molecular structure. You will learn how to predict the reactivity and properties of molecules and will get a foundational introduction to organic and biological chemistry. You will develop your ability to apply theoretical knowledge and critical thinking to solving chemical problems.

You will also complete a suite of laboratory practical experiments, where you will develop professional skills in chemical manipulation, analysis, safe laboratory practices, data recording and analysis. This unit is a foundation for higher-level courses in organic chemistry, materials science and biochemistry.

### CVB201 Inorganic Chemistry

Pre-requisites	(CVB101 and CVB102) or (SCB111 and (SCB121 or CVB102))
Anti-requisites	PCB334
Equivalent s	PQB331
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The fascinating and diverse chemistry of transition metals and main group elements is explored in detail from the fundamentals of electronic structure and bonding through to metal complex structure, symmetry, isomerism and chirality, magnetism, reaction mechanisms and molecular orbital theory. Learning is enhanced through a range of practical laboratory activities that enable understanding of theory through experiment. Core laboratory skills in the handling and synthesis of a wide variety of metal complexes will be developed and techniques such as magnetometry, UV-visible spectroscopy and

spectropolarimetry will be introduced and used to discern metal complex structure and function. The knowledge and skills developed in this unit underpin further studies in physical, organic and coordination chemistry.

### CVB202 Analytical Chemistry

Pre-requisites	(CVB101 or SCB111 or CZB191) and (SCB121 or CVB102) and (SCB131 or CVB102)
Equivalent s	PQB312
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit is an introduction to modern chemical analysis, including some common instrumental techniques, which are firmly linked to the theory and practice of the discipline in a modern, working laboratory. You will gain essential analytical and deductive skills for chemical science as well as laboratory-based experience in sampling, treatment of samples, principles and practice of making high-quality chemical measurements with chromatographic and spectroscopic instrumentation. This unit further develops your knowledge and technical laboratory skills in chemical instrumentation and analysis. It links to the work previously undertaken in CVB101 General Chemistry and prepares you for the final semester major capstone unit CVB304 Chemistry Research Project.

**CVB203 Physical Chemistry**

Pre-requisites	(CVB101 or SCB111) and (SCB121 or CVB102) and (SCB131 or CVB102)
Anti-requisites	PCB354, PCB405
Equivalent s	PQB401
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is a developmental unit that covers concepts that determine how chemical systems behave. It covers the discrete nature of atoms and molecules through spectroscopy, and develops understanding of the thermodynamics and kinetics of chemical processes. Theoretical and practical-based approaches are to develop understanding of the nature of the physical properties and dynamic transformations of matter essential to all branches of chemistry and to other disciplines based on physical materials, or that use and rely on chemical reactions. This unit builds on knowledge and practical skills introduced in CVB101 General Chemistry, it expands on the concepts introduced in CVB101 and prepares for CVB302 Applied Physical Chemistry.

**CVB204 Organic Structure and Mechanisms**

Pre-requisites	(CVB101 or SCB111 or CZB191) and (SCB121 or CVB102) and (SCB131 or CVB102)
Anti-	PQB401

requisites	
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Build on the organic chemistry knowledge and laboratory skills gained in CVB101 and CVB 102. The deeper understanding of reaction mechanisms, instrumental characterisation and stereochemistry are important in facets of all subsequent chemistry units. Perhaps most importantly, this unit will be used as the foundation for advanced studies in organic chemistry in CVB 301 Organic Chemistry: Strategy for Synthesis. To successfully complete this unit you will: -Describe the electronic effects and mechanistic concepts which govern the reactions of organic compounds. -Predict the outcome of a set of reaction conditions when applied to organic compounds. -Design syntheses based on the major functional groups. -Deduce the solution of synthetic problems in organic chemistry -Apply modern spectroscopic techniques as an aid to structure elucidation - Demonstrate a range of practical skills in safe laboratory practice applied to the synthesis, isolation and purification of organic compounds.

**CVB211 Industrial Chemistry**

Equivalent s	PQB623
Credit	12

Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

It is essential that chemists and process engineers involved in industrial chemical production translate fundamental knowledge of chemistry and process engineering into practical outcomes. In this unit you will focus on green chemistry, industrial biotechnology and catalysis which underpins 90 % of all chemicals made today. You are introduced to catalyst fundamentals and their application to industry for bulk chemicals, production of polymers and plastics, zeolites for green chemistry and bio-catalysts such as enzymes. You will also be guided through the development of professional skills which includes creation of a MindMap, completion of a Dynamic SWOT analysis, and presentation of business ideas in a poster. This unit primarily builds upon fundamentals learned in Process Principles and Unit Operations courses.

**CVB212 Industrial Analytical Chemistry**

Pre-requisites	(CVB101 or SCB111) and (SCB121 or CVB102) and (SCB131 or CVB102)
Equivalent s	PQB313
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The modern chemical industry requires comprehensive analytical measurement

relating to raw materials, process streams and outputs in order to control quality and to confer error prevention. This unit further develops your knowledge and technical laboratory skills in chemical instrumentation and analysis in applications relevant to the chemical industry. It links to the work previously undertaken in CVB101 General Chemistry and prepares you for the final semester major capstone unit CVB304 Chemistry Research Project. This unit aims at extending your foundational chemistry in areas of chemical applications that are relevant to the industry. In particular, this unit provides you with the theoretical knowledge and practical capabilities for chemical analysis and measurements that are widely used in industrial analytical laboratories as well as outlining the future direction of this area.

### CVB215 Criminalistics and Physical Evidence

Equivalent s	SCB384
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit introduces the current technologies used by crime scene investigators to investigate crime scene and identify evidence. This unit will introduce the students to the realm of forensics and its role in criminal investigations. The student will be introduced to the fundamentals of chemical and physical sciences used for evidence collection,

preservation and analysis. The unit will bring to the students hands-on experience in crime scene investigations, questioned documents and fingerprinting.

### CVB216 Forensic Chemistry

Anti-requisites	PQB684
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Forensic Chemistry is dedicated to the screening and quantification of any substance, compound or material that may be abused or cause harm to humans, environment or infrastructure. A forensic chemist is a professional chemist who analyzes unknown substances and other forms of evidence using advanced chemical technologies. The forensics scientist uses in-depth scientific knowledge to interpret the analysis results and arrive to correct non-biased conclusions on the evidence. In the Forensic Chemistry unit, students will gain expertise in all the major branches of chemistry (organic, inorganic, physical and especially analytical & bio-analytical) as related to forensic investigations. The analytical aspect of the course has been broadened from a more traditional chemistry focus to include modern and special types of analysis of importance to forensic science.

### CVB218 Drug Discovery and Design

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit investigates the evolution of the pharmaceutical industry, modern drug discovery methods and drug targets and explores the concept of chemical structure in relation to drug properties and drug design. The unit provides knowledge and skills at the interface between chemistry and biology relating to the drug discovery process. As the pharmaceutical industry represents a large international concern, offering many employment opportunities, and there is also significant growth in the bio-economy, dealing with bioactive molecules such as food additives and supplements, cosmetics, pesticides and other agricultural bio-chemicals, it is important for students to develop a broad appreciation of the pharmaceutical industry at large. This unit builds on foundation chemistry and biology knowledge as part of the Medicinal Chemistry and Biology minor and complements the BVB212 Drug Action unit.

### CVB221 Unit Operations

Equivalent s	PQB525
Credit Points	12
Campus	Gardens Point, EXCHANGE and External



## Units

Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2
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This unit fosters a deeper understanding of the unit operations which are the main components in process flow diagrams. The students will be introduced to among other concepts in the water and wastewater treatment industry disinfection, filtration, ion exchange, adsorption and desalination. Complementary theory regarding mass and heat transfer operations will also be used to ultimately provide a comprehensive overview of water treatment and chemical processes. This unit aims to bridge the gap between academic learning and industrial practice. Examples relating to key industries such as the coal seam gas, mining, manufacturing and wastewater sectors will be provided and cutting edge problems discussed. Students will learn the key skills which industry expects graduates to possess in order to rapidly integrate into project teams.

### CVB222 Forensic Analysis of Bio-active Compounds

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit provides an introduction to the basics of bio-analytical methods used for the detection and identification of bio-active substances in different matrices. The methods are demonstrated to

bio-active compounds that are frequently encountered in pharmaceutical, forensic, molecular diagnostics and environmental industries. The unit will introduce modern instrumental analytical platforms such as spectroscopy, chromatography, electrophoresis, nanosensors and immunoassay.

### CVB225 Forensic Biology and Analytical Toxicology

Anti-requisites	LQB680, PQB680
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The extensive use of biological evidence to identify victims and offenders as well as indicate attempts to control victims prior to abuse or attack has had a significant bearing on the course of law enforcement investigations, criminal court proceedings, and victim service providers. DNA and toxicology evidence have become a highly influential piece of the crime puzzle. You will be introduced to the concepts of DNA profiling and analytical toxicology and their applications in forensic case work. You will develop the necessary skills for analysing and interpreting DNA and toxicology evidences and be introduced to the basic concepts of forensic anthropology. This learning will be through the study of the theory, hands-on practices relevant to real life scenarios as well as training on the forensic interpretation of the

evidence.

### CVB301 Organic Chemistry: Strategies for Synthesis

Pre-requisites	CVB101 and CVB102 and CVB204
Equivalent s	PQB531
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Learn skills in the synthesis of organic molecules and an analysis of the nature of the reaction mixtures and products generated. Apply the principles of synthetic design, using their knowledge of a range of synthetically useful organic reactions and the concept of retrosynthesis. You will learn to evaluate experimental data qualitatively and quantitatively, especially with regard to IR and NMR spectroscopic data, and use this knowledge to deduce and explain conclusions based on logical arguments. You will be able to use creative design strategies to overcome common synthetic organic problems by applying the principles of protecting group strategies and selectivity in organic synthesis. The application of practical skills in safe laboratory practice relating to the principles of synthesis, isolation and purification of organic compounds will allow you to demonstrate their capabilities as well as develop skills to document their findings in an appropriate work orientated format.

### CVB302 Applied Physical Chemistry

Pre-requisites	CVB203
Equivalent s	PQB502
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Physical chemistry is a discipline of chemistry in which the physical factors which govern chemical reactions and interactions are described, quantified and explored. This unit will explore the effects of the underlying principles of thermodynamics and kinetics to chemical and physical processes which commonly occur around us. The principles that govern the macroscopic behavior of solids, liquids and gases, the fundamental physical properties which determine the extent of reaction and the speed with which it occurs will be explained. These thermodynamic principles are extended to mixtures, the properties of solutions, polymeric systems and electrochemistry which all play a very important role in the world around us.

### CVB303 Coordination Chemistry

Pre-requisites	CVB201
Equivalent s	PQB631
Credit Points	12
Campus	Gardens Point,

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Coordination chemistry - the chemistry of transition metal complexes - encompasses aspects of organic, physical and transition metal chemistry. Deep understanding of the electronic structure of these remarkable compounds is developed along with an exploration of fascinating topics of current international research interest including organometallic compounds, bioinorganic chemistry, coordination polymers, metal-organic-frameworks (MOFs) and other metallo-supramolecular species. Synthesis and characterisation skills are honed through laboratory exercises drawing on knowledge developed throughout the chemistry major including magnetometry, thermogravimetric analysis and UV-visible, infrared and NMR spectroscopy.

### CVB304 Chemistry Research Project

Pre-requisites	CVB202 and CVB301 and CVB302
Co-requisites	CVB303
Equivalent s	PQB642
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

In this unit you will be engaged on a chemistry project that is selected from a range of topics in exciting new areas of relevance to modern chemistry

and chemical technology. Examples may include, but are not necessarily limited to nanotechnology, drug design, free-radical chemistry and trace metal speciation in environmental and biological systems. The unit will involve a self-directed project in which you synthesize the knowledge, skills and techniques developed during your chemistry major. In the process, you will be expected to critically review relevant literature sources, demonstrate understanding and depth of knowledge and provide a clear, coherent communication of the chemical project outcomes. The project will provide you with the opportunity to articulate societal and ethical implications of the profession of chemistry as part of the written project report.

### CVB313 Environmental Analytical Chemistry

Pre-requisites	CVB202
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Environmental Analytical Chemistry provides the tools and techniques necessary to make quantitative measurements of the extent of environmental alteration by natural or man-made activities. Principal areas of study include the chemical evaluation of air quality; water quality; soil and sediment contamination; and pesticide residue contamination in agriculture. Students will gain an

understanding of the relevant methods of analyses through the lectures and a complementary laboratory practical program. This will allow students to develop technical skills such as: sample collection and treatment; use of modern instruments, including receptor modelling, atomic spectrometric and IC instruments for inorganic elemental analysis, GC, GC-MS and HPLC instruments for organic components. Experience gained in the unit will be important for students seeking positions in environmental protection agencies, environmental laboratories and environmental consultancy.

### CVB320 Instrumental Analysis

Pre-requisites	CVB202
Equivalent s	PQB513
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Modern instrumental methods are capable of producing large quantities of data and it is becoming common practice to use data driven chemometric and cheminformatics techniques as an adjunct to instrumental analysis. These techniques are introduced through a project-based investigation of bio-analytically related datasets where you develop understanding of applications of instrumental analysis and further develop your analytical thinking, problem-solving,

communication and deductive skills using real-world examples. This unit builds upon the theoretical and practical framework for chemical analysis in the unit CVB202 Analytical Chemistry to develop advanced instrumental and analysis techniques for modern laboratory practice.

### CWB101 Communication and Composition: Introduction to Academic Writing

Equivalent s	KWB110
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces you to the conventions and practices of academic writing. It develops an understanding of how to interpret and analyse information and to argue a case based on evidence and logic. The unit also helps build your understanding of information literacies, research skills and how to evaluate evidence. Academic writing is an essential skill that you need to succeed in your university program, as academic writing underpins assessment tasks in all university degrees. This unit is placed in your first year to ensure that you have the necessary writing skills to complete your assessment at a high standard throughout your course of study.

### CWB102 Influence and Persuasion

Equivalent s	KWB115
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Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This foundational unit provides you with the theories, techniques and practices of analysing and creating persuasive texts. It introduces the theory and practice of persuasive communication across a number of genres to enhance your writing and communication skills. Persuasion and persuasive appeals are an integral (if often unconscious) element of professional communication. Advances in technology have made persuasion a pervasive element of contemporary communication, both personal and professional. Therefore, as a professional communication practitioner, you should be able to understand the principles of persuasion, use the vocabulary of persuasion, and evaluate the efficacy of different persuasive strategies.

### CWB103 Interpersonal and Intercultural Negotiation

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This foundational unit introduces the wider context of cultural practices that inform communication at the individual and social levels. The unit explores how communication in the workplace and other professional contexts is influenced by factors such as power dynamics, gender, nationality, cultural norms, and



ethnicity. It develops your engagement with the theories of and skills for successful intercultural and interpersonal exchange in business and professional relationships in a global context. Your career will be shaped by global forces, events, and contexts. Therefore, to be a global effective communication practitioner, you will need to see communication in the context of social and cultural norms and assumptions.

### CWB110 Introduction to Literary and Cultural Studies

Equivalent s	KWB108
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit aims to give you the 'tools' and knowledge to critically analyse and creatively appreciate a range of texts so that you are able to enter into academic or popular discourse with an understanding of important critical concepts. It provides an introduction to key concepts in literary studies. The theories relate to ideas and terminology that you will be expected to become familiar with throughout the course of your study. You are introduced to concepts that form the basis of discussions in a range of academic discourses so that you can engage analytically with texts and their contexts. 'The 'textualisation' of the world has been an important development in twentieth century theory in the West: What are texts' What do they

mean' The unit addresses these issues by providing you with an introduction to conceptual frameworks derived from some of the major critical discourses that have impacted on our world.

### CWB111 Scientific and Technical Writing

Equivalent s	KWB114
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit introduces you to the principles of writing clearly in a science-based context and to the discursive frameworks that inform scientific and technical writing. It aims to provide you with an understanding of the conventions of writing and publishing scientific and technical information and to develop skills in communicating this information for a general audience. Graduates in the fields of engineering, science and information technology are required to assess high volumes of information and to communicate key scientific and technical ideas to a general audience. As such, there are growing industry and research demands for graduates with professional writing skills that deliver clear and well-structured written information about complex material.

### CWB112 Popular Culture: A 21st Century Communication Industry

Equivalent s	KWB311
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Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1

This unit is designed to provide you with skills in understanding popular culture/s. It addresses the production of popular culture via a range of texts and mediums and provides you with a framework to critique the operations of popular cultures. Given the increasing discussion of importance of popular culture in contemporary society, the unit addresses the sites of such discussions and the changing status of popular culture. The unit provides you with an understanding of the notion of 'popular culture' and to consider a range of cultural productions that have engaged with this term. You will consider a range of popular culture theories and a number of texts in relation to those ideas and will gain an understanding of the position of popular culture within cultural studies discourse.

### CWB113 Writing Australia

Equivalent s	KWB109
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit aims to improve your analytical and creative, oral and written communication skills. It is important for you to understand how Australian identity has been written,



rewritten and remains contested by engaging with and evaluating a range of Indigenous and Non-Indigenous Australian writings. This unit provides you with opportunities to read, explore, discuss and evaluate a number of classic and contemporary Australian texts. Upon completing this unit you can understand and critically interrogate texts pertinent to contemporary Australian society and culture.

### CWB201 Corporate Writing and Editing

Equivalent s	KWB213, KWB106
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit allows you to develop the ability to write in at least two corporate writing genres and be proficient in three other genres. It deals with both the fundamentals of language (grammar, punctuation, style) and common corporate writing genres (manuals, reports, speeches, brochures). Professional communication specialists must have a command of an extensive range of corporate writing genres to create and edit corporate documents. As a corporate writing specialist, you must also be able to respond authoritatively to technical and stylistic writing questions when such matters arise in the workplace. You will develop your knowledge about how language works and be able to use that knowledge in practical

writing applications. As a result, you will become a more confident writer and communicator in corporate and professional situations.

### CWB202 Rhetoric: Public Communication Skills

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit provides advanced-level rhetorical tools, strategies, techniques and analytical methods related to communication in professional and workplace contexts and audiences. It builds upon prior knowledge (Influence and Persuasion) to further understand the role and function of rhetoric in contemporary society. Examples of advanced rhetoric in action are drawn from technical, political and business communication, and other fields. Rhetoric—the process of crafting written and spoken messages for specific audiences to inform, persuade, or achieve action—is a fundamental element of all forms of Professional Communication. Its practitioners need to be conversant with rhetorical topics, tools, techniques and analytical frameworks to be able to create sophisticated communication artefacts that inform, persuade and instruct depending on the specifics of audience and context.

### CWB211 The Unstable Self: Disruption and Technology in 20th Century Writing

Equivalent s	KWB208
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit aims to provide you with the reading, research and writing skills necessary to the appreciation and analysis of literature from a diversity of cultures in the twentieth century. It builds on the interpretive frameworks that are studied in the Introduction to Literary Studies unit and encourages you to apply them to the texts. The twentieth century was a time of significant developments and major transformations in writing and culture. Such transformations have continued into the present century. This unit focuses on a number of twentieth and twenty-first century writers from Europe, England, Africa, Asia, and the Americas, from modern to postmodern times, and explores the connections between texts, language, culture and society. The unit allows you to consider the social contexts in which texts are written, produced, interpreted and received, and how they are influenced by and in turn influence their respective cultures.

### CWB212 Shakespeare, Expert Communicator

Equivalent s	KWB209
Credit Points	12

## Units

Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

The unit aims to provide you with an introduction to Shakespeare's plays and to acquaint you with the burgeoning Shakespeare industry: that is, the myriad appropriations of Shakespearean works that are markers of social, political or cultural change and have become, themselves, the subject of critical inquiry. A knowledge of Shakespeare's plays and the contemporary Shakespearean 'industry' is important to a range of disciplines including Education, Media/Communication, Drama/Theatre Studies and Creative Writing. The study of Shakespearean works also assists in the development of general literary and critical skills.

### CWB301 Political Communication

Pre-requisites	Completion of 72 credit points of study
Equivalent s	KCB302
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This unit surveys the theory and professional practices of political and governmental communication, especially through the media and communications industries. It examines contemporary and historical political issues and communications in Australia

and internationally from the perspectives of democratic theory, media influence, strategic image and issue management, and popular culture. The unit comprises an overview of theoretical approaches to political communication, the construction of political discourse, and the mobilisation of audiences/voters; an understanding of the relationship between communication strategies and the management of politics, with cases drawn from Australian and international politics; and the capacity to critically appraise strategic issues such as political persuasion, electoral strategy, popular culture, and public opinion formation.

### CWB302 Advanced Corporate Communication

Pre-requisites	(CWB201 or KWB213) and (CCB204 or KCB205). CCB204 can be enrolled in the same teaching period as CWB302.
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit equips you with advanced-level corporate communication skills and techniques that will enhance your writing and editing abilities. It advances your learning in corporate writing and editing to equip you with the skills needed as a corporate communicator and further develops skills in the areas of professional writing, mechanics, grammar, and editing. The unit is scheduled

in the final year of your degree to ensure that you will be prepared for your transition to the workplace.

### CWB303 Communication Project

Pre-requisites	Completion of 168 credit points of study
Equivalent s	KCB303, KCB307
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit applies prior knowledge of media and/or communication research, industries, and practices; providing an environment in which to develop your communication and project management skills while contributing to the maintenance and development of publicly facing websites or other media. Content creation, project management skills, and collaborative work are extremely important in media and communication industries. You will use these skills and apply them to working on public websites and with industry. This is a capstone unit in which you contribute to a real-world project (industry, research, or corporate-based) that works to advance your future employability. In doing so, you will either work on The Isthmus ([www.theisthmus.com.au](http://www.theisthmus.com.au)) incorporating academic research, on Straddl ([www.straddl.com.au](http://www.straddl.com.au)) where you will use industry research, or with NFP to work towards providing professional content

services.

### CYB101 Introduction to Communication

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This foundational unit introduces you to written, spoken and visual communication skills. It focuses on audience, purpose, and context as they inform communication practice. The unit is designed to equip you with theoretical and practical skills and knowledge required for careers in the Communication Industries. As a student in the Communication program, you need to be able to express your ideas in written, spoken and visual form. Research shows that an aptitude for and facility in written, spoken and visual communication are essential for academic and professional success. This unit is one of four foundation units in the Bachelor of Communication program that are central to building the theoretical and practical knowledge required by QUT and industry.

### CYB102 Introduction to Media and Entertainment Industries

Equivalent s	KXB101
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This foundational unit introduces core concepts and debates, analytical frameworks and professional practices necessary to understand how the media and entertainment industries operate as complex economic and cultural activities. It develops capacity for subsequent study and employability in the media and entertainment industries. The unit provides a comprehensive overview of industry structures and functions, regulatory and technological conditions, and professional practice. It also presents you with the broader theoretical and practical implications of industry dynamics in political, economic, and social contexts. As such, this unit aims to develop a deeper and more critical understanding of media and entertainment industries and their dynamics.

### CYB103 Communication Theory and Practice

Equivalent s	KCB101
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1

This unit introduces concepts and theories in the study of communication. It covers communication theory, textual analysis, representation, practice, and context. Drawing on examples of communication practice from contemporary society, the unit aims to develop your understanding of communication ecologies,

processes, systems, and modes within the wider frame of radical changes occurring in the way texts are produced, read and circulated within our culture. It is one of four foundation units in the Bachelor of Communication program that supports learning activities in intermediate and capstone units and introduces you to individual and teamwork approaches to learning and teaching. The unit also addresses your role as a communicator in the workplace and initiates important strategies for career planning.

### CYB104 Managing Social Media

Equivalent s	CYD104
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This foundational unit gives an understanding of, and basic applied skills in, best practice social media management within professional communication contexts. It introduces you to the principles, tools and techniques of professional social media practice, social media presence and the development, implementation and analysis of digital communication strategies. It also provides opportunities to apply them in the ever-evolving social media landscape. This is one of four foundation units in year 1 and year 2 of the Bachelor of Communication program that supports learning



## Units

activities in intermediate and capstone units and introduces you to individual and teamwork approaches to learning and teaching.

### CYB105 Understanding Audiences

Equivalent s	KCB301
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This unit introduces the ways in which the media and entertainment industries have imagined, measured and monetised their audiences. Understanding that audiences are powerful constructions in the media and entertainment industries, the unit examines how conceptions of audiences shape marketing, branding and advertising strategies, and what broader cultural concerns are associated with our reading of audiences and their behaviours. The unit also examines audiences by looking at the complex relationship between industry's imagined audiences and its strategies and establishes a theoretical foundation in audience studies as well as overview of key qualitative and quantitative market research techniques.

### CYB106 Global Media and Entertainment Industries

Pre-requisites	CYB102 or KXB101
Equivalent s	KXB102
Credit Points	12

Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides a critical understanding of globalisation in the media and entertainment industries. It introduces key disciplinary debates about the creation, circulation and consumption of media and entertainment across different locations and cultures. For the successful media and entertainment professional, it is imperative to understand how media and entertainment operate and interact across local and global contexts. This unit introduces a range of entertainment industries and forms, and draws attention to the increasingly transnational nature of entertainment economics and culture. Specifically, it looks at entertainment industries as global players; their consumption and circulation; understanding them as an economic and cultural phenomenon; and how the interaction between global-local forces transforms entertainment industries, business practices, and products.

### CYD104 Managing Social Media

Equivalent s	CYB104
Credit Points	12
Campus	Kelvin Grove and Online
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

This foundational unit gives an understanding of, and basic applied skills in, best practice

social media management within professional communication contexts. It introduces you to the principles, tools and techniques of professional social media practice, social media presence and the development, implementation and analysis of digital communication strategies. It also provides opportunities to apply them in the ever-evolving social media landscape through industry engagement.

### CZB190 Chemistry for Health Sciences

Anti-requisites	CVB101, CVB102, LQB180
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is a foundational chemistry unit for all students of the health sciences in which basic concepts of general, organic and biological chemistry are covered. The organization of the human body begins with chemicals (atoms and molecules) making up its simplest or smallest scale level of organization. Chemistry allows us to understand how cells, tissues and organs are formed, how these substances react with each other and their environment, and how these substances behave. This unit will develop the essential concepts of chemistry necessary for students studying health and biological sciences with topics introduced and applied in a contextualized manner relevant to their



discipline. As part of early health science training, it is important to explore and have an understanding of the chemical composition and processes relevant to human body. This unit will form an essential foundation to further study in the areas of health sciences.

### CZB191 Introductory Chemistry for Educators

Anti-requisites	CVB101, CVB102, LQB180
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

An understanding of chemistry is needed to make sense of our world and to address big challenges faced by our society both in the natural and unnatural environments. This unit will provide both a theoretical and practical introduction into understanding chemical changes on a molecular level. The unit will focus broadly on topics including synthesis, analysis and quantification within chemistry while drawing on pertinent examples from materials, nanotechnology and complex biological systems.

### DAB101 Architectural Design 1: Explorations

Equivalent s	DAB110
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The aim of this unit is to provide a broad introduction to

the discipline of architecture and an overview of the fields of knowledge with which architects must concern themselves. Design is arguably the core activity of architecture. This design unit offers a broad introduction to the practice of design in an architectural context and is therefore offered at the commencement of the course. It uses developmental exercises to enhance your perceptions of the built environment. Analysis of the constructed environment leads to design projects that engage with issues of context, tectonics, planning, form, and spatial quality. Orthogonal drawing exercises, freehand sketching, presentation graphics and model-making all form part of the unit content. Teaching and learning activities are spread across lectures and studio-based activities.

### DAB102 Architectural Design 2: Spaces

Equivalent s	DAB210
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit examines technological and artistic processes of design within an architectural context. It seeks to provide the ability to develop architectural designs of controlled complexity, focusing on aspects of spatial quality. As such, this unit will expose you to the design of a small public building in the Brisbane area. Architectural design as a

manageable process is explored through a number of exercises and design projects. Discrete steps in the process of architectural design are made explicit through staged activities that build to a complete design project. Orthogonal drawing exercises, freehand sketching, presentation graphics, and model making all form part of the unit content.

### DAB200 Modern Architecture

Pre-requisites	DYB114
Equivalent s	DAB325
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit explores the global movement of modern architecture from its European roots. As many contemporary architects state, the movement still influences architecture and theory and this unit will enable you to locate contemporary global architecture within a framework of rich, complex and interconnected cultural, societal and historical contexts and traditions. You will acquire the facility to read seminal texts, to begin to understand your own design projects in an historical context, and to engage with the global architectural debates which inform architecture today. This unit is part of the history and theory stream in architectural studies. As an architect, you should be able to analyse developments in architectural history from multiple

perspectives. Following on from DYB112 Spatial Materiality and DYB114 Spatial Histories, this unit explores and critically examines significant issues, influential individuals and exemplary works of the modern movement.

### DAB201 Architectural Design 3: Dwelling

Pre-requisites	DAB101 or DAB110
Equivalent s	DAB310
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

This unit provides you with an ability to develop architectural designs with a focus on aspects of problem solving through an appreciation of architectural principles and process. It advances research skills and investigates architectural principles through the examination of precedents. The unit focuses on dwelling design in the form of houses in a semi-urban or suburban context. It uses developmental exercises to enhance student perceptions of dwelling. Design problems of moderate complexity are tackled through a process of abstraction, experimentation, representation, imagination, and testing. This unit is part of the sequence of design units of the course that continues the development of your architectural design knowledge and skills. This design unit exposes architectural design

as a rigorous process with measurable qualities with particular focus on dwelling, spatial qualities of residential living, and the relationship of a building to its landscape.

### DAB202 Architectural Design 4: Metro

Pre-requisites	DAB102 or DAB210
Equivalent s	DAB410
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit provides you with an ability to develop architectural designs of limited complexity with particular focus on aspects of urban context, planning and form through an understanding of site specificities, topography, urban infrastructure and the natural landscape. In particular the unit focuses on a small civic building design. It builds on prior knowledge gained in the first three design studios, but introduces a higher level of architectural thought via the practice of formalism in architecture, involving established aesthetic concepts of architectural object and language that underlie global architectural praxis. It also introduces urban design into the design studio thereby expanding your previous knowledge of site planning to a new level. It will teach new skills in architectural design, urban analysis, and architectural drawing, modelling and visualisation toward the formal synthesis of the architectural object in urban

space.

### DAB211 Environmental Principles of Architectural Design

Pre-requisites	DYB112 or DYB113. DYB112 can be enrolled in the same teaching period as DAB211
Equivalent s	DAB330
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

This unit familiarises you with the basic design principles and passive strategies for heating, cooling and daylighting necessary for architectural designs that respond to human needs (human comfort), regionalism and climate. Understanding the importance of climate-responsive design and environmental factors on the design development of buildings provides you with the tools to integrate environmental design principals in buildings. In a world of finite resources, understanding the physical phenomenon we have to deal with in design is essential for responsible professionals. Technical and scientific issues are an integral part of design projects. It is a fundamental task of architectural design to achieve maximum comfort requirements of the users while minimising energy consumption.

### DAB212 Small Scale Building Construction

Pre-requisites	DAB211
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## Units

Equivalent s	DAB435, UXB110
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit introduces building construction principles, an essential part of the vocabulary and knowledge of an architect. It increases your understanding of applied construction technologies and materials as key concepts for design development and resolution. It examines the role of building standards and the Building Code of Australia (BCA) in building design, including its housing provisions and associated codes for all types of buildings to achieve the requirements for building approvals. It also looks at domestic construction with emphasis on general material and structural properties of building components and systems; and common construction practices used in dwellings, single storey and class 10 buildings. Comparison of building systems and their effect on domestic building design will be explored in detail.

### DAB220 Architecture, Culture and Place

Equivalent s	DAB420
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The concept of culture and

place are highly significant to architectural thought and production. This introductory unit surveys these concepts in the discourse and practice of architecture. It explores how culture and place are understood, interpreted and made in a range of social, historical and physical contexts. The aim of this unit is to promote your awareness of concepts of culture and place as well as learn how to interpret buildings as cultural artefacts. You will learn how to interpret and analyse architecture through socio-cultural frameworks and understand how this analysis can be applied to the process of designing buildings that support the culture for which they are produced.

### DAB403 Architectural Visualisation 3

Pre-requisites	DAB203 or DYB113
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit continues the development of the visual communication skills that you have previously acquired, focusing on technical communication. Architects recognise that visualisation or communication of process, decisions and outcomes is crucial. To date, you have learnt how to effectively communicate your architectural intentions using both analogue and digital means, skills primarily intended for the communication of design.

Throughout this unit you will learn the ability to communicate technical intentions, achieving an extra level of visualisation. At the end of this unit you will be able to use Building Information Modelling (BIM) software to create effective technical visual communication.

### DAB511 Architectural Design 5

Pre-requisites	DAB310 or DAB201
Equivalent s	ADB005, DAB510, DAH510
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit offers a focused intermediate level study of design as applied to architecture. It uses developmental exercises to enhance student perceptions of the built environment in a problem-based learning environment. It addresses effective and professional communication of design intent with the aid of digitally mediated tools and methods. It touches on design theory, sustainability, sociology, history and critique as they apply to architectural design. This unit expects a level of independent research and project development aimed for a real-world design environment. It introduces architectural design as a rigorous process with measurable qualities. It builds upon design skills developed in the previous design units with emphasis on the cultural relevance of architecture in the modern age. The unit is



underpinned by ethical principles of environmental and social sustainability. It focuses on heritage and sustainable architecture in a regional context.

**DAB611 Architectural Design 6**

Pre-requisites	DAB410 or DAB202
Equivalent s	ADB006, DAB610, DAH610
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit will develop greater complexity in architectural design skills in an urban context with a focus on ethical and sustainable design solutions and practice. This requires the synthesis of issues, ideas, knowledge and techniques of architectural design as a holistic practice. This unit also advances on understanding the interdependencies among social, cultural, economic and environmental dimensions at local and global levels - crucial to sustainable design for human settlement. Design is the core activity of architecture and the architectural design studio is a major component of the architecture course. This unit deals with synthesis and integration of knowledge and skills from various domains of knowledge in a major project. As part of the research and learning focus in the School of Design, emphasis will be placed on the exploration and application of concepts of sustainability in design of multi-residential housing types in

international contexts.

**DAH525 Architecture and the City**

Equivalent s	ADB013, DAB525
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit offers an overview of the main urban studies theories and illustrates techniques and tools to investigate an urban environment. Understanding the structure of a city as well as the relationship between urban form and architecture is necessary to function as a reflective practitioner in the real world. Emphasis will be placed on the development of critical thinking and analytical approaches to problems associated with the city and its design. In this unit you will learn how to investigate an urban environment to inform and support your design activity; you will develop your problem solving skills experimenting with theoretical principles in different scenarios. Teaching and learning activities are spread across lectures, online activities and workshops.

**DAH530 Integrated Technologies 2**

Pre-requisites	DAB435 or DAB212
Equivalent s	ADB024, DAB530
Credit Points	12
Campus	Gardens Point and External

Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1
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This unit addresses the qualitative influences of structural and construction systems on the design of buildings. In particular, the possibilities and limits of building structure as related to architectural intention through the use of exemplars. The unit explains how to understand and use structural and construction systems to advance the design development of medium scale commercial and public buildings that achieve sustainable outcomes. You will become familiar with various construction systems where an emphasis is placed on the criteria to be used for the selection of appropriate building systems and their associated materials.

**DAH635 Architectural Technology 2**

Pre-requisites	DAB530 or DAH530 or DAB311
Equivalent s	ADB025, DAB635
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit provides a basis to create safe, functional and comfortable buildings. It looks at the principles, equipment and the architect's role (building services procurement, consultation on design decision making, establishing selection criteria for systems and equipment, an understanding



of the spatial requirements and communication systems for medium-rise buildings). In addition it focuses on the role and direction of building consultants and the legislative requirements of building services. It also looks at the skills and knowledge to transform technical design ideas into built form through construction documentation by looking at the principles and application of building services and standards. In this unit, building services, fire safety, and building code requirements are offered as drivers of architectural design. Ultimately the unit enables you to face architectural issues and meet the requirements of the Building Code of Australia for a range of user requirements.

**DAH710 Architectural Design 7**

Pre-requisites	DAB301 or DAB510 or DAB511 or DAH510
Equivalent s	ADB007, DAB710
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit focuses on design as applied to architecture particularly on industrial buildings and workplaces. On completion of this unit you will be conversant with building typologies; the forces shaping their development; the critical, analytical, and speculative research skills applicable to architectural projects; ways to address architectural issues and to design from that

position; and the application of knowledge and skills in architectural technology to the design process.

**DAH811 Architectural Design 8**

Pre-requisites	(DAB635 or DAH635 or DAB312) and (DAB610 or DAB611 or DAH610 or DAB302)
Equivalent s	DAN135, DAN230
Credit Points	36
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This capstone unit integrates architectural design, building services, environmental technologies and construction systems knowledge into an advanced design solution. It focuses on the holistic integration and detailed resolution of an architectural project and the communication of complex design problems. This unit centres on the design of a medium-sized public building in an urban context. It deals with synthesis and integration of conceptual, spatial, aesthetic and technical knowledge as applied to the urban environment through the resolution of a design challenge. This unit allows for the in-depth development of an architectural design and its technological resolution. It draws upon all preceding units in the course and requires detailed design development and construction documentation of a complex building. The unit aims to promote your understanding of advanced techniques for the design of environmentally friendly, sustainable and

healthy buildings.

**DAN101 Master Studio A**

Credit Points	24
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1

This is a studio-based unit in which students design architectural projects to resolve complex design problems. It uses developmental exercises to enhance student perceptions of the built environment in a project based learning environment. The architectural aspects of technology, environmental science, design theory, sociology, history, and critique, all form part of the unit content. This unit offers an opportunity to synthesise and apply all prior learning from this course (and the preceding undergraduate course). This unit requires a high level of design resolution in its projects; it requires the practice of a research-led design process. This unit aims to develop your ability to apply the knowledge and skills across a targeted range of discipline areas. The studio will focus on the high-level development of the abilities to rationally test and experiment through architectural design projects; to explore cultures, contexts, technologies, and environments.

**DAN125 Contemporary Architectural Culture**

Equivalent s	ADN014, ADB014
Credit Points	12
Campus	Gardens Point,

## Units

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit explores the rise of theoretical discourses that stimulated critical architectural debates since Modernism and the late 1960s, specifically as they emerged from the social and political fabric of modern and contemporary war and its development. Architectural theory is understood not as an abstraction or severance from concrete architectural production, but as an active agent through which architecture responds to radical politics and a broader cultural dialogue in order to transform the real of design practice and the architecture studio alike. By this excursion into late architectural theory, criticism and debate, you will acquire the ability to interpret seminal architectural texts and the facility to properly theorise your own design projects to produce rigorous concepts in the design studio, and to engage with the architectural debates which inform architecture today. This unit aims to develop in you an appreciation for diverse and inclusive perspectives.

### DAN145 Architectural Professional Practice

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Architecture is one of few vocations typically referred to as a profession. The professional status provides

architects with certain qualities and underlying principles, to which they are expected to adhere. Architectural professional practice requires understanding and adherence to a range of ethical, cultural, business and inter-personal skills, concerns and requirements. This unit provides learning opportunities to both consolidate and extend an understanding and appreciation of architectural professional practice issues. This unit aims to introduce key issues in discourses about the architecture profession as you transition from university to practice: the organisation and roles of the regulatory and professional bodies that govern the profession, the cultural and sociological context for contemporary architectural practice, and the values and attitudes which govern professional practice.

### DAN201 Master Studio B

Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit offers a focused inquiry into applied architecture through the investigation of a complex design problem which demonstrates high level design proficiency. It uses developmental exercises to enhance and extend your perceptions of the built environment in a problem-based learning environment. As such, the unit develops your advanced architectural design skills with focus on the

development of evidence-based design and reasoned argument skills. Your projects should demonstrate a high level of research and judgement in the following areas: evidence and assessment, contextual response, spatial qualities and organisation, planning and functional requirements, formal qualities, and tectonic development. The unit offers a problem-based learning experience that engages with advanced architectural design issues. Emphasis will be placed on design exploration and outcomes that embrace and integrate all areas of architectural concern.

### DAN235 Project Management

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit provides an understanding of architectural project management. In particular, it aids you to better transition from student to practitioner. It examines the project management process including inception, schematic design, design development, documentation, contract administration and completion, with special emphasis is given to the types of specialist professional writing required at each of these stages. It also looks at why and how architects conduct feasibility studies for prospective projects, project programming, and post occupancy evaluations of constructed

projects, journalistic writing, professional correspondence and professional development. Practising architects require knowledge of both applied project management theory and practice.

**DAN245 Contract Administration**

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit provides the knowledge to engage in an architectural practice. It focuses on practice management, design development, documentation, and building contract administration phases in the successful procurement of buildings. It addresses the regulatory, contractual and legal framework within which building this takes place. As such, this unit reinforces, builds upon and consolidates prior learning concerning the documentation and contract administration of architectural building projects. It is delivered in two key modules. Module 1 provides a detailed understanding of the organisation, structure and management of setting up an architectural office. Module 2 examines various forms of contracts, emerging codes and standards that must be adhered to in Australia, the contract administration phase of projects, and includes a review of the laws and statutory regulations that control the practice of architecture.

**DED202 Introducing Design History**

Equivalent s	DEB102, DEB202, DYB114, DYB124
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Designers within any discipline should possess the ability to appreciate the history of design, across all its disciplines or forms. This involves appreciation of developments in design history and theory from multiple perspectives. Learning from the past enriches and informs future design. A breadth of design history knowledge increases the creative opportunities and problem solutions that can be applied in design studios.

**DEH701 Research Methods**

Pre-requisites	Completion of 168 credit points of study
Equivalent s	DEB701
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This core unit introduces you to research philosophies, methodologies and methods that have relevance in design practice. It covers the fundamentals of designing and conducting qualitative and quantitative research projects providing a foundation for higher degree research. It is project based and includes: philosophical context of

research in, of and through design; qualitative research incorporating methodologies and methods of relevance to design; research rigour and ethics; developing a research plan; literature searching and review; data gathering and analysis; research dissemination and reporting. Design, by its very nature, is a complex activity. In dealing with this complexity, designers draw upon their discipline's body of knowledge. It is highly valuable for you to know how design knowledge is generated and how you can better inform your design practice through research skills which will encourage the systematic, rigorous and ethical integration of thought and action.

**DFB102 Introduction to Fashion Communication**

Equivalent s	KFB103
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides an introduction to some of the complexities of the global fashion system and is intended to provide foundational knowledge and skills to pursue further studies in fashion communication. It aims to develop your conceptual understanding of fashion as both an everyday cultural form and a complex global industry. Learning in this unit will be important in order to gain an appreciation of the breadth of



## Units

the fashion system and fashion cultures. You will develop and practise foundational fashion communication skills alongside learning how to apply key theoretical ideas to understanding fashion. This unit will provide you with the conceptual basis to pursue further studies in fashion communication.

### DFB104 Fashion Sustainability

Equivalent s	DFB203, KFB104
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is in the developmental stage of the program and provides you with a foundational knowledge of environmental and social impacts of fashion production and consumption. Throughout the unit you will examine the environmental and social impact of different industry business models, materials and production methods in order to develop the skills and mindset to apply more sustainable practices. It also introduces fashion systems as complex supply chains spanning raw fibre through to manufacturing, design, retailing and garment use, disposal systems at end of life, fibre and textiles, industry structures, and business models grounded in sustainable and ethical practices.

### DFB105 Fashion Visualisation

Equivalent s	DYB122, DFB302, KFB107
Credit	12

Points	
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit develops your skills and knowledge in visual communication and presentation for fashion. It highlights both analogue and digital skill sets necessary for fashion industry practices. The ability to effectively communicate visual fashion ideas is a core skill in the fashion industry. You will learn both technical industry conventions and expressive creative processes required for visual communication and presentation of fashion products and ideas. This unit provides you with the opportunity to start building a portfolio of practical work to showcase your developing skills.

### DFB110 Fashion Design Studio 1

Equivalent s	DFB101, KFB101
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This foundational unit provides knowledge and skills for the theory and practice of fashion design, including sustainable practices. It addresses fashion design principles, processes and contexts, including the development of effective skills to communicate and realise design ideas in an integrated studio environment. The unit provides a positioning framework to introduce you to the broad notion of place: your

formative place as a fashion designer connected to theoretical and cultural fashion contexts that underpin fashion design. The suite of Fashion Design Studio units form the spine of learning for fashion design understandings in the Bachelor of Design (Fashion) program and this unit is the first in the series.

### DFB111 Fashion Design Studio 2

Pre-requisites	DFB110 or DFB101
Equivalent s	DFB201, KFB102
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1

This unit advances your knowledge of fashion design principles and processes including the development of effective skills to communicate and realise design ideas in an integrated and online studio environment. It aims to provide a positioning framework for you to conceptually explore the realm of commercial enterprise and fashion. This unit is the second in a series of Fashion Design Studio units and provides further introductory knowledge and skills for the theory and practice of fashion design including sustainable and ethical practices. The suite of Fashion Design Studio units form the foundation of learning for understanding fashion design in the Bachelor of Design (Fashion) program.



### DFB204 Fashion Product Development

Pre-requisites	DFB105, DYB122, DFB302, or KFB107
Equivalent s	DFB406, KFB211
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

This unit further develops your knowledge, skills and application for professional fashion communication and product development in the fashion industry. It focuses on commercial fashion design and product styling. Developing consumer products in the fashion industry requires diverse skills and knowledge in trend analysis, range building, sourcing, finishing, specification sheets and marketing to ensure successful and sustainable outcomes. By developing a foundational knowledge in product development you will be prepared to work in commercial fashion or to create your own fashion brand.

### DFB205 Fashion Media

Pre-requisites	Completion of 72 credit points of study
Equivalent s	DFB304, KFB210
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

This unit offers insight into the connection between media and fashion image making. It takes a critical historical, interdisciplinary and industrial

approach to the study of fashion media, exploring media and digital social platforms that have contributed to the dissemination of fashion. Cross-pollination between fashion and media platforms from different historical times has contributed to the formation of taste, along with cultural and consumer discourses. This unit explores the evolving and complex fashion communication landscape that has captured key changes in fashion culture and industry, and the fragmentation and opening up of fashion communication to global consumers and identities.

### DFB206 Global Fashion Cultures

Pre-requisites	Completion of 72 credit points of study
Equivalent s	DFB402, KFB207
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit further develops your knowledge of the complexities of global fashion systems and builds on the application of your skills in fashion visual communication with an emphasis on visual analysis. It focuses on the diverse aesthetics and practices of global fashion cultures since the mid-twentieth century. The aim of this unit is to develop your knowledge of the diversity of global fashion aesthetics since the mid-twentieth century

while focusing on consumer-led fashion developments alongside high-end designer fashion of this period. As such, it will deepen your knowledge of how design is connected to social and cultural developments.

### DFB207 Fashion and Style Journalism

Pre-requisites	DFB102 or CJB201 or KFB103 or KJB224
Equivalent s	DFB404, KFB205
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This unit provides skills to conceptualise and produce fashion and style editorial content in various styles and in both Australian and international contexts. It maps the scope and practice of fashion and style journalism, a profession offering career options for journalists, photographers, designers, writers and fashion specialists. In this unit, you will use your developing professional skills to produce fashion and style editorial content and/or contribute to the production of a fashion and style zine and/or website. Print and digital media map key changes in fashion in similar ways, forming opinions about fashion, taste and the world. Fashion writing and styling is also a key skill in public relations for a brand curating and editing brand e-magazines, social media management and content creation in general. This unit addresses key skills learnt

during the course and practising these skills in a real world, practice-based learning environment.

### DFB209 Global Fashion History

Equivalent s	DFB303, KFB109
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces the foundations of fashion history through a global perspective of trade, culture and style. It presents a new approach to the study of fashion history as a meeting point between Western and Eastern cultures. The unit takes a critical and interdisciplinary approach to provide you with the opportunity to build your fashion knowledge in a context of complex global cultural and commercial exchanges in fashion. In doing so it addresses fundamental knowledge of fashion history and theory through the study of global interactions of fashion cultures, styles and trade. The unit recognises the multiple sites that contributed to the emergence of fashion and the influences and impact that these global sites had on local fashion. It provides you with skills in written and oral communication, research and visual analysis; and, importantly, it will help you to identify and understand current influences and future directions in contemporary fashion design.

### DFB210 Fashion Design Studio 3

Pre-requisites	DFB111 or DFB201
Equivalent s	DFB301, KFB200
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This unit builds on previous fashion studio knowledge to navigate the structure and requirements of industry/professional fashion contexts. It develops effective skills to communicate and realise design ideas in an integrated studio environment. This unit is the third in a series of six Fashion Design Studio units and provides expanded knowledge and skills for the theory and practice of fashion design, including sustainable practices. The suite of Fashion Design Studio units form the spine of learning for fashion design understandings in the Bachelor of Design Fashion program, and include practical skills and knowledge of garment construction and pattern cutting.

### DFB211 Fashion Design Studio 4

Pre-requisites	DFB111 or DFB201
Equivalent s	DFB401, KFB202
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit aims to provide you with knowledge of fashion

design working in collaborative contexts including the development of more advanced skills to communicate and realise design ideas in an integrated studio environment. It will also allow you to explore the spirit of collaboration intrinsic to the fashion industry. You will build on your previously acquired design and communication skills as well as your awareness of ethical and sustainable practices. In this unit you will synthesise your understanding of product development and retail readiness. This unit is the fourth in a series of six Fashion Design Studio units and provides more advanced knowledge and skills for the theory and practice of fashion design. The suite of Fashion Design Studio units form the spine of learning for fashion design understandings in the Fashion design program and include practical skills and knowledge of garment construction and pattern cutting.

### DFB305 Critical Fashion Studies

Pre-requisites	Completion of 48 credit points of Fashion units (DF% coded)
Equivalent s	DFB602, KFB305
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This advanced level unit deepens your critical fashion engagement and consolidates your skills in fashion

communication. It prepares you to play a leadership role in shaping the dialogues that are transforming fashion practices. The aim of this unit is to develop your critical, analytical and communication skills in the context of the global fashion industry and wider cultural debates. Embracing an interdisciplinary approach characteristic of current fashion scholarship, this final unit builds on the theoretical and practical knowledge developed in DFB206 Global Fashion Cultures and DFB209 Global Fashion History and provides you with the opportunity to develop sophisticated research and written communication skills, preparing you to contribute to shaping the dialogues and debates that are changing the contemporary fashion industry.

### DFH501 Fashion Design Studio 5

Pre-requisites	DFB211 or DFB401 or KFB202
Equivalent s	KFB301, KFB405
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides advanced knowledge and skills for the theory and practice of fashion design in niche/unique contexts. The suite of Fashion Design Studio units form the spine of learning for fashion design understandings in the Bachelor of Design (Honours) Fashion program. This unit is

the fifth in the series. It builds upon the understandings acquired in the unit DFB401 Fashion Design Studio 4 providing a base for understanding fashion. It also comprises practical skills and knowledge of garment construction and pattern cutting.

### DFH601 Fashion Design Studio 6

Pre-requisites	DFH501 or KFB301
Equivalent s	KFB302, KFB406
Credit Points	12
Campus	EXCHANGE, Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides specialist knowledge and skills for the theory and practice of fashion design. The suite of Fashion Design Studio units form the spine of learning for fashion design understandings in the Bachelor of Design (Honours) Fashion program. This unit is the sixth in a series and builds upon the understandings acquired in the unit DFH501 Fashion Design Studio 5. It provides more advanced knowledge of fashion design in order to begin to develop a formative individual design identity. It also includes practical skills and knowledge of garment construction and pattern cutting.

### DFH701 Fashion Design Studio 7

Pre-requisites	DFH601 or KFB302
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Credit Points	24
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit aims to provide an advanced knowledge of fashion design including the conceptual framing and situated context of your practice. It promotes critical analysis, design prototyping and organisational skills required to formulate an extended independently-led fashion project across DFH701 and DFH801. The seventh in a series of eight Fashion Design Studio units in the Bachelor of Design (Honours) program, it forms the start of the capstone experience for an extended independently led fashion project. This unit builds upon the understandings acquired in the six preceding Fashion Design Studio units and also provides advanced fashion research skills to begin to formulate pathways to execute the self-defined independently-led fashion project. DEH701 Research Methods supports the content of this unit. The independently led fashion project will culminate in the final capstone studio unit, DFH801 Fashion Design Studio 8 (semester 2 - 36cp).

### DFH801 Fashion Design Studio 8

Pre-requisites	DFH701
Credit Points	36
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b>



es - SEM-2

This unit aims to provide you with advanced knowledge of fashion design as well as professional decision making, planning and organisational skills in order to execute and complete an extended independently-led research fashion project. It is the final in a series of eight Fashion Design Studio units in the Bachelor of Design (Honours) program and forms the capstone experience for an extended independently-led research fashion project.

### DLB101 Landscape Studio 1

Equivalent s	DLB100, DLB130
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit is your first landscape design studio introducing you to foundational landscape design knowledge, skills and applications. You will acquire these in stages, covering a range of design principles, theories and processes which you will apply to real or simulated design scenarios. The first stage is an immersion in, and familiarisation with, landscape's structural and compositional relationships and ways to interpret and express these. Next you will learn to apply basic design problem solving processes to articulate landscape design propositions in response to your interpretations. You will learn and experiment with design and discipline-specific

language including application of the representational techniques. This studio prepares you for the ongoing series of landscape design studio units.

### DLB102 Landscape Studio 2

Pre-requisites	DYB111
Equivalent s	DLB200, DLB210
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit introduces landscape design principles, theories and processes, and their application in problem solving and articulation of landscape architectural propositions. It consolidates and provides foundational skills and knowledge to develop ongoing landscape design studio units. Through critical thinking and experimental design propositions you will explore the relations between the process and concepts of landscape, space, scale, time and landscape atmospheres. You will experiment with design development processes and the language of landscape design to articulate and communicate ideas. This unit builds on DLB101 Landscape Studio 1 and DYB111 Create and Represent: Form, inviting you to interpret wider dimensions of landscape and experiment with design development and representation. It guides you to apply the representational techniques you will learn in DYB113 Create and

Represent: Materials.

### DLB201 Landform, Technology and Techniques

Pre-requisites	DYB111 or DYB113
Equivalent s	DLB240, DLB430
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit provides foundational landscape technology principles of landform and tectonics and processes allowing you to understand and apply the technical manipulation of landforms as part of the landscape design process. This unit continues your development of finer scale of detail and precision including landform grading for drainage and circulation. It extends the technical graphic design development and communication skills developed in Create and Represent units and prepares you for the subsequent Landscape units.

### DLB202 Landscape, People and Place Studio

Pre-requisites	DLB101 or DLB100
Equivalent s	DLB300
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit introduces a range of theories, principles and approaches to contemporary place making through site planning skills and the critical

examination of how people perceive and respond to their environment, both individually and collectively. It explores theories of environment and behaviour, place-making and environmental psychology essential to the formulation of sustainable landscape design propositions. These investigations and design propositions develop your research and design communication skills and will provide an intellectually rigorous foundation for the rest of this course and for later professional practice. This unit advances your skills to research and apply design theory in the creation of places for people. It addresses key physical, psychological and cultural theories that underpin our knowledge of the reciprocal relationship between people and their environments. You will also have the opportunity to improve your design communication skills.

### DLB204 Planting Design

Equivalent s	DLB320, DLB230
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This second year unit builds on your knowledge of environmental sustainability and introduces you to scientific, horticultural and planting design principles and their application in sustainable site-based planting design, including the specific conventions of planting design communication. As such, the

unit engages with the basic plant sciences (botany, ecology and horticulture) including: botanical nomenclature, morphology, plant forms, assemblages and systems, and plant cultivation requirements. You will apply this knowledge to develop and articulate sustainable site-based planting design propositions and extend your communication techniques.

### DLB211 Landscape and Wellbeing

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit introduces you to key contemporary issues that are foundational to the understanding of landscape and wellbeing and the application of theories and research to the design of the environment. It addresses concepts, theories and exemplars, and explores topics such as healthy communities; healthy environmental, social and economic systems; and equity in global and local contexts. The public good is at the core of the Anthropocene era. Designers need to develop individual landscape sensibility and ethical positions to operate within the public sphere at local or global levels. This unit contributes to the acquisition of a specialised body of knowledge and skills to place you as an ethically conscious active social agent.

### DLB400 Landscape Design 4

Pre-requisites	DLB200
Equivalent s	DLB410
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit aids you to apply the theories of urban ecology in landscape appraisal and design development. This intermediate-level landscape design studio unit consolidates the introductory knowledge, skills and applications learnt so far. In conjunction with DLB420, you will explore design theories and processes related to urban ecology including human processes in landscape formation. You will apply these in the appraisal and design of site-based landscape propositions, including their sustainable integration into wider landscape systems such as the movement and exchange of people, capital, services, water and energy. This unit will build on your understanding of the complexities of landscape and consolidate your landscape design development and communication skills, preparing you for further expansion of your intermediate level design skills in DLB500.

### DLB420 Landscape Systems

Equivalent s	DLB330
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b>

es - SEM-2

This unit helps you apply theoretical concepts of landscape ecology and regional ecosystems to sustainable landscape design and planning approaches in combination with an understanding of geomorphological and human settlement processes. This introductory level unit builds on foundational knowledge of environmental sustainability. In conjunction with the unit DLB400, it looks at landscape ecology and regional ecosystems theory with geomorphologic and human processes in landscape formation. Landscape architects need to understand the systems that create and are created by the landscape, and so this unit enhances your ability to comprehend the interconnectedness of landscape structures, systems, processes and developments, essential to the formulation of sustainable landscape design propositions. You will apply this knowledge in a semester-long landscape study project, thus expanding your understanding of landscape from a small site to a broad and holistic level.

### DLB440 Landscape Construction

Pre-requisites	DLB240 or DLB201
Equivalent s	DLB530
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b>

- XCH-1, XCH-2

This unit introduces the structural, material and legislative principles and processes of landscape design construction. It introduces basic structural theories, material properties and principles, and design and construction principles and processes. These help you analyse technical briefs and critically evaluate and select appropriate materials and construction techniques to formulate sustainable landscape design propositions and implementation strategies. This unit also introduces you to the legislative environment governing landscape construction. It extends the technical graphic design development and communication skills you developed in DLB240, and prepares you for the advanced-level unit in landscape design, technology and construction - DLH600.

### DLB500 Landscape Design 5

Pre-requisites	DLB300
Equivalent s	DLB510
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit aids you to apply theories of socio-environmental interactions in landscape appraisal and speculative design development. This final intermediate-level landscape

design studio unit builds on the knowledge, skills and applications consolidated in DLB400. In conjunction with DLB525, it explores design theories and processes related to interactions between society (including culture, economy and technology) and the environment, focusing on developing landscape speculations which address sustainability in cultural and biophysical landscape contexts. Your learning will involve the rigorous testing of design ideas against the constraints of selected landscapes and briefs. You will develop and test a philosophical basis for design exploration engaging with experimental design processes and self-directed research. This unit introduces greater design complexity and independent application and development of your communication skills.

### DLB525 History and Criticism of Landscape Design

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit addresses applied landscape design history, criticism and historiography. It prepares you for application in advanced-level landscape design units. As an intermediate-level unit, it builds on broad foundational design history and theoretical knowledge and critical thinking

and research skills. In conjunction with DLB500, you will explore the ways history and criticism inform us about interactions between society (including culture, economy and technology) and the environment (materials, climate, landform, ecology, etc.), and the consequences for designed landscapes. You will review landscape design and criticism across world history through the lens of historiography (critical examination of history).

### DLH600 Landscape Design 6

Pre-requisites	(DLB440 or DLB302) and DLB400
Equivalent s	DEB601 and DLB630
Credit Points	24
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit addresses landscape design and technology / construction principles and processes. It is your first advanced-level landscape design studio unit, and your first 24-credit-point unit in the 4-year landscape architecture course. As such, it unites and builds on technical landscape design principles and processes in a program of advanced design resolution through the development of technical documents commensurate with those produced by the profession for landscape construction contractors. It shifts your learning toward greater creative and technical design specificity and independent application, providing a solid

foundation for your final year landscape design studios beginning with DLH700.

### DLH700 Landscape Design 7

Pre-requisites	DLB500
Equivalent s	DLB700, DLB710, DLB810
Credit Points	24
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1

This unit applies theoretical concepts of landscape planning and landscape urbanism to sustainable landscape design and planning approaches. It explores advanced theories in landscape planning to help you conceptualise the complex social and environmental issues and policy frameworks that inform land development, and the related design and planning theories and processes such as those emerging through landscape urbanism. In a sustained semester-long project you will engage with a large-scale site and associated complex problems of planning, design and management, and independently formulate innovative and sustainable landscape planning and design propositions and implementation strategies. This unit introduces complexity and independent application of communication and presentation techniques commensurate with professional-level landscape architectural investigation and practice. The following semester unit DLH800 will

build on these skills in your capstone landscape project.

### DLH800 Landscape Design 8

Pre-requisites	DLH600
Equivalent s	DLB730, DLB830
Credit Points	24
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This capstone unit aims for you to be able to apply theories of Landscape Planning and Landscape Urbanism in landscape appraisal and design development. You will undertake a sustained thesis-style project at an advanced conceptual and schematic landscape design level based on substantial independent research and rigorous design development. Understanding landscape architecture as a contextual and relational discipline, you will formulate innovative and sustainable landscape planning and design propositions and implementation strategies to balance competing social, cultural, economic, and ecological constraints and opportunities. This unit develops independent skills in investigation and practice enabling you to engage with a wide range of projects. It consolidates your individual expression of the knowledge, skills and application of landscape design principles, theories and processes developed in your landscape architecture core units to date.



### DLH845 Professional Practice in Landscape Architecture

Anti-requisites	DYN203
Equivalent s	DEB801
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit introduces the legal and regulatory environment in which landscape architects operate. Design practice requires the understanding and adherence to a range of ethical, cultural, business and legal concerns and requirements. This unit provides you with the knowledge to understand and participate in professional design practice by introducing key issues in the design professions, including: the organisation and roles of the regulatory and professional bodies governing the professions; the cultural and legal context for contemporary design practice; essential skills in consultancy and construction contracts; and the ethical values and attitudes which govern professional practice. An emphasis on integrated scholarship and collaborative links with other professions will build your capacity and resilience as you transition from life as a university student to life as a beginning professional.

### DNB110 ID Studio 1: User Centred Design

Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b>

es - SEM-1

This unit introduces you to User Centred Industrial Design. It addresses visual and creative thinking within the context of the industrial design process and provides human-centred knowledge focused on usability, usability methods and evaluation techniques. You will learn how to implement physical, cognitive and emotional factors to human-centred product design, services and systems. Understanding the needs and capabilities of people is essential to the design of usable, desirable and viable products, services and systems. In order to do this you will need a solid understanding of user-centred design methods during the industrial design process and the application of form, structure, function and beauty in design.

### DNB111 ID Studio 2: Aesthetics and Visualisation

Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This introductory unit advances knowledge and skills with analogue and digital visualisation techniques to explore, elaborate and communicate your design ideas effectively. The most common and complex aspect of industrial design deals with creating aesthetically pleasing products imbued with meaning and value through form and function. Continuing the development of design process

knowledge and skills established in DNB110 ID Studio 1: User Centred Design, this unit delves deeper into ideas of aesthetics and meaning in order to advance the quality of everyday products.

### DNB210 ID Studio 3: Interaction and Experience

Pre-requisites	DNB110 or DNB101
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1

A core responsibility of the Industrial Designer is the interpretation of human interactions with products or systems. This unit develops intermediate design research skills and strategies to gain a detailed understanding of the user within the product's social, cultural and technological context. It employs design strategies to identify opportunities of human interactions with products and systems and enhance the user-product experience. In this unit you will strengthen and apply your design, visualisation, model-making and CAD skills at an intermediate level while dealing with user-centred design (UCD) principles to produce interactive designs. This unit builds on knowledge and experience gained in earlier ID foundation units. It builds your skills and knowledge in the area of interaction and experience allowing for integration of skills and knowledge in the capstone units.

### DNB211 ID Studio 4: Manufacturing Technology

Pre-requisites	DNB110 or DNB101. DNB110 can be enrolled in the same teaching period as DNB211
Equivalent s	DNB304, DNB303, DNB302
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit introduces the skills and knowledge to transform design ideas into manufacturable products. It provides experience and skills in creating 3D CAD models and using them to communicate design intent. As such, the unit increases your knowledge of the commonly used materials and processes and of how their manufacturing constraints and opportunities affect the design process. The industrial designer needs to possess skills in translating these constraints and opportunities into viable product designs and to be able to communicate their design intent with sufficient detail to allow that product to be manufactured according to industry standards and capabilities. This unit introduces you to the principles of Design For Manufacture and Assembly (DFMA) and extends your Computer Aided Design (CAD) skills. The skills and knowledge covered by this unit are amongst those highly sought after by employers and will be applied in all subsequent ID studio units.

### DNB212 ID Studio 5: Applied Technology

Pre-requisites	DNB211 or DNB304
Equivalent s	DNB404
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit provides the skills and knowledge required to design products for manufacture. It advances knowledge on commonly used materials allowing you to gain an understanding of how manufacturing constraints and opportunities affect the design process. Industrial Designers need to be able to design products that are viable for production. They also need to possess skills in translating these constraints and opportunities into viable product designs and to be able to efficiently communicate their design intent to allow that product to be manufactured according to industry standards and capabilities. The unit focuses on 3D parametric Computer Aided Design (CAD) and on how this is incorporated into the design process. Additionally, it provides skills in creating 3D CAD models and using them to communicate design intent. The unit builds on the DNB211 ID Studio 4: Manufacturing Technology unit as well as developing CAD and digital presentation skills.

### DNB214 Mass Transportation

Pre-requisites	Completion of 72 credit points of study
Credit Points	12

Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit introduces mass transport and mobility system concepts and skills as applied to the design of a mass transport system for a given context. It is in the developmental stage of your course and builds on your application of design. It is preferred (but not a requirement) that you have completed design or design visualisation units prior to enrolling in this unit. This unit provides you with opportunities to build, develop and apply creative design proficiencies in the context of mass transportation systems.

### DNB503 Industrial Design 5

Pre-requisites	DNB401 and DNB404
Equivalent s	DNB501
Credit Points	24
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces you to design methods and strategies to explore people's behaviours and the context of use of everyday products. The design approach focuses on the user experience and on developing product designs that are suitable for manufacturing. As such, the unit develops your intermediate design research skills and strategies focusing specifically on identifying new design opportunities; and strengthens your design skills

to produce product designs suitable for manufacturing. A core responsibility of the Industrial Designer is the interpretation of human interactions with complex products or systems. In this unit you will experience two approaches: (a) applying design research methods to gain a detailed understanding of the product's social, cultural and technological context and (b) using design strategies to enhance use and technology aspects of products to make them more appealing and effective.

### DNH603 Industrial Design 6

Pre-requisites	(24 cp from DNB503, DYB201, DYB301, DNB310) or ((DNB212 or DNB404) and (DNB310 or DNB401 or DYB201 or DNB210))
Equivalent s	DNB601
Credit Points	24
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides an introduction to the concept of interaction design where product design approaches can be applied within a design studio environment. It also introduces interdisciplinary design concepts and strategies that are relevant to the design of future products and systems. In this unit you will learn a core aspect of Industrial Design - the interaction between humans and physical products. This unit extends methods and techniques gained from

DNB503 Industrial Design 5 to the analysis of human experiences, and people-product interactions and behaviours in the context of use. As more products integrate digital and physical interfaces, people's experiential responses must be addressed. To achieve this, this unit advances on acquired design methods and techniques by transferring them across disciplines. Prototyping is a key aspect of this unit where the design intent must be demonstrated through the use of model-making and basic interaction technical tools.

### DNH703 Applied Design Research 1

Pre-requisites	DNH603 or DNB311
Equivalent s	DNB702, DNB703
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit introduces you to the strategic contribution of applied research including identifying people's needs through to their integration within the system and gap identification. It incorporates studies of the dynamic relationships between people, products/artefacts and systems, and their contextual environment. The unit addresses the ways research about people can contribute to product innovation, as well as how to integrate the applied research skills and knowledge that support the development of an innovative product or system proposal. It covers:

human-centred innovation framework application of qualitative research methods to industrial design; situating product/systems within the socio-cultural context; and communication of research outcome. This is a capstone unit which provides you with the foundation for higher research degrees.

### DNH704 New Product Development

Pre-requisites	DNH603 or DNB311
Equivalent s	ADB235, DNB602, DNB704
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit focuses on the introduction of new products into the market. It provides an overview of the relationship between product design and commercialisation. It introduces strategy development which aims to meet consumer expectations whilst achieving corporate objectives. It covers: new product development process; idea generation; strategic planning; introduction to marketing; product screening and evaluation; and commercialisation and post-launch review. The unit will provide you with background knowledge of management, financial and marketing parameters surrounding the development and commercialisation of consumer products. Launching new



products into the market requires a sound understanding of product development tools and methods. Therefore this unit will draw on your understanding of design process and complement this with an understanding of the issues surrounding the translation of a concept into a marketable product or service.

### DNH803 Applied Design Research 2

Pre-requisites	DNH703 or DNB703
Equivalent s	DNB701, DNB801, DNB802
Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit focuses on the design of a product or system to a professional level. It builds upon DNH703 Applied Design Research 1 and extends the application of research to the design of a product. You will learn how to integrate research and design knowledge to support novel design ideas. The unit contains seminar discourse. This is a capstone unit and it provides you with the foundation for higher research degrees.

### DNH804 Professional Practice in Industrial Design

Pre-requisites	Completion of 240cp in course
Equivalent s	DEB801
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b>

es	- SEM-2 <b>External</b> - XCH-1, XCH-2
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This unit focuses on the role of professional practice management and its significance to industrial design. It covers: professional practice and management, career paths in Industrial Design, management of design projects, Design documentation and the role of design administration, intellectual property, and designer-client relationships. The unit provides an overview of the relationship between product design and professional practice. It addresses professional practice management and how you can use this knowledge to manage your own projects. This unit also provides an overview of both current and potential future trends in the Industrial Design profession.

### DTB101 Interior Studio 1

Pre-requisites	DYB111 can be studied in the same teaching period as DTB101
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces the principles and elements of design in the interior design context with an emphasis on dwelling and associated concepts of embodiment and interiority. Learning to design for interior design practice requires the development of coherent and advanced

knowledge of design process, practice and content pertinent to the production of meaningful and socially responsive environments. This unit introduces you to this knowledge through lectures, readings, tutorials and projects that enable you to appreciate the knowledge and skills you already have that have application in design and how to enhance these with a specific focus on learning for interior design at a foundational level. The learning in this unit will be progressively developed through subsequent design units in the course.

### DTB102 Interior Studio 2

Pre-requisites	DTB101
Equivalent s	DTB201
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This first year Interior Architecture unit introduces the understanding of design not only as a language, but also as a spatial design activity through which you visualise your designs atmospherically and experientially. It addresses introductory concepts and approaches found in cinematic techniques and site-based research as applied to interior design. It builds on the elementary principles of two-dimensional and three-dimensional design introduced in DTB101 Interior Design 1. This unit comprises teaching activities, readings, and projects with a specific focus



on learning for interior design at a foundational level. The learning in this unit will be progressively developed through subsequent design units in the course.

**DTB200 Interior Access and Assemblies**

Pre-requisites	Completion of 72 credit points of Design units (D% units)
Equivalent s	DTB303
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1

This unit develops sound competency in the technical communication of commercial construction and detailing of interiors in order to apply this knowledge to project work. It provides opportunities to develop your knowledge of the information required to assemble a set of construction documents for a commercial interior design scenario. It links to other core interior design units by introducing you to the commercial sector, in particular exploring 2D and 3D digital drafting conventions and the application of building codes and standards with an emphasis on interior construction assemblies and access. This unit will develop your knowledge of the techniques and conventions required for digital documentation of technical material. It also covers the technical knowledge required to document a commercial project to meet relevant codes and standards. These are

fundamental skills required by a professional interior designer.

**DTB204 Interior Studio 3**

Pre-requisites	DTB101
Equivalent s	DTB301
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

This unit addresses aspects of ‘hybrid’ (style, culture and function) interiors within hospitality contexts, focusing on large-scale spaces with vertical circulation as part of the greater urban social fabric. It integrates theoretical, technological, sociological and design methods to address design problems. A holistic view of the situation presented will be undertaken so that a synthesis of complex relationships can be managed. It provides you with opportunities to build on, practise and evidence your individual and collaborative sensory design process, design theory, and understanding of social urban context, which will provide a foundation for subsequent Interior Studio units with more complex designs. Through the application of research-based design approaches, you will realise that complex design outcomes are multi-layered and therefore rich in meaning and significance, whilst responding to multi-function specific and realistic project requirements.

**DTB205 Design Psychology**

Pre-requisites	Completion of 72 credit points of study
Equivalent s	DTB403
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

Drawing on environmental psychology relevant to spatial design, this unit provides the opportunity to develop a broad understanding of the transactional nature of the relationship between people and the built environment. The unit complements the socio-cultural aspects of design addressed in the Design in Society unit providing core theoretical and technical knowledge to support evidence-based design and ethical and sustainable practice. Interior designers require an understanding of how people and the built environment engage physically, psychosocially and existentially if they are to help produce individually meaningful and socially responsive environments. They also require skills to explore person-environment interaction relevant to practice-based projects. This unit builds on introductory understandings of the nature of human engagement and inhabitation and, in so doing, prepares you to consolidate your design knowledge and skills.

**DTB210 Colour and Light**

Pre-requisites	Completion of 72 credit points of study
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## Units

Equivalent s	DTB302
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit develops a broad and coherent understanding of colour, its psychology and complexity, and interdependence with light in the context of design theory and application in practice. As such, it introduces you to the attributes, influences and principles of implications of colour and light within the built environment. It develops broad knowledge and the skills to apply theoretical concepts relative to colour and lighting in the creation of spatial design projects. It focuses on the human response to colour and light through an understanding of the histories, theories, and methods of application relevant to two and three-dimensional environments.

### DTB211 Materials, Products and Processes

Pre-requisites	Completion of 72 credit points of study
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit explores the complex nature of material and product selections to further enhance interior design project outcomes. Your knowledge of materials and products relevant to commercial interior design applications will be developed with a focus on sustainable manufacturing processes. This

unit then introduces you to appropriate documentation to communicate your research and understanding to relevant project stakeholders. Specifying appropriate products for a variety of interior design scenarios is a fundamental process in the delivery of an interior design project.

### DTB303 Interior Technology 2

Pre-requisites	DTB202
Equivalent s	ADB123
Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

This unit develops competency in technical communication of commercial construction and detailing of interiors in order to apply this knowledge to project work. It provides opportunities to develop your knowledge and skills of the components required to assemble a set of construction documents for a commercial interior design scenario. It links to and builds on the concepts explored in DTB202 by introducing you to the commercial sector, in particular exploring 2D and 3D digital drafting conventions, building codes, standards and basic services integration. It further develops your knowledge and skills on the techniques and conventions for digital communication of technical material. It also covers the technical knowledge required to document a commercial project to meet relevant codes and standards.

These are fundamental skills required by an interior designer.

### DTB306 Interior Systems

Pre-requisites	DTB200 or DTB303
Equivalent s	DTB402
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This advanced unit aims to develop an understanding of the relationship between design, environmental quality, access and egress and technology while developing your technical communication skills. It introduces a greater complexity in commercial interior construction, services integration and code compliance while also developing your technical documentation skills. The unit links directly to your previous studies in DTB200 and provides the necessary knowledge, skills and application required to document the construction of your designs through all of your core units. DTB306 sits at the developmental stage of your course and provides you with opportunities to develop your knowledge of services integration, digital drafting and documentation requirements in a commercial workplace application with an emphasis on meeting codes and standards relating to fire safety.

### DTB401 Interior Design 4

Pre-requisites	DTB301
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## Units

Equivalent s	ADB104
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit further develops your knowledge, skills and application in regards to the person-environment relationship, and the implications for dual-function, sensory spatial design, as well as building on foundational design processes. As such, it aims to integrate theoretical, technological, sociological and design methods to address design problems. You will define individual tasks and research such that design theory and collaborative design process become integral to the resolution of your design. You will investigate the fundamental aspects of immersion (Space/time 4th dimension, Reverie, Presence and Phenomenology) and Interaction (Participation, Experience, Responsibility, Inclusivity and Activism) in relation to interior design practice and associated fields through explorative digital craft making and the refurbishment of an existing two-storey building with vertical circulation.

### DTB402 Interior Technology 3

Pre-requisites	DTB303
Equivalent s	ADB153
Credit Points	12
Campus	EXCHANGE and External

Availabilities	<b>External</b> - XCH-1, XCH-2
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This unit provides a greater complexity in commercial interior construction and services integration while also developing your technical drawing communication skills. It is in the developmental stage of your course and provides you with opportunities to develop your knowledge of services integration, technical drawing skills and communication in a variety of commercial applications using manual and 3D CAD drafting platforms. It forms a basis for all of your core design units while directly linking to your previous studies in units DTB202 and DTB303. As such, the unit provides the necessary knowledge, skills and application required to communicate your designs through all of your core units.

### DTB501 Interior Design 5

Pre-requisites	DTB401
Equivalent s	ADB105
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit develops your knowledge, skills and application for interior design through project-based real world issues and contexts. Its aim is to undertake research-through-design where design is the research methodology. It requires design issues to be examined through theory and

technology such that an understanding of design process and outcome is achieved. It will also foster a critical-analytic capacity that will enable you to grasp and evaluate some key presumptions of past practice. This unit is intended to advance ideas about the designed interior through the design studio. There is the opportunity to research and investigate design issues in an exploratory and experimental manner and to present findings in an innovative way. It links to the work previously undertaken in DTB401 and it builds on foundational ideas developed in previous units through consideration of more complex physical technical and cultural contexts across the field of interior design.

### DTB504 Design in Society

Pre-requisites	Completion of 72cp of Creative Industries units (K% or D% units)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides theoretical and analytical resources to enable you to identify the way the designed world intersects with social life. It reviews theories and case studies to illuminate the relationships between design and everyday practice across cultures and time and provides an opportunity to apply these insights in an analysis of a contemporary designed



environment. Located in the 3rd year of your course, it develops concepts and processes suited to the emphasis in the latter years of the course: problem solving, framing and conceptualisation. It follows the design psychology unit, complementing its psychological aspects of spatial experiences with knowledge of socio/cultural theory, contemporary social issues in design, and relevant conceptual frameworks and methodologies.

### DTH601 Interior Design 6

Pre-requisites	DTB501
Equivalent s	ADB106, DTB601
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit further develops your knowledge, skills and application for interior design through more complex project-based real world issues and contexts. It links to the work previously undertaken in DTB501 and DTB502 and prepares you for the final year of the course. This unit enables you to apply your developing skills and knowledge; refine your design methods to undertake an informed and explorative design process; practise tackling problems that are ambiguous, ill-defined, and thereby, represent 'real-life' situations. You will also be given the opportunity to

competently and innovatively tackle issues relevant to the contemporary and future world and develop a deeper understanding of specialised interior design environments.

### DTH603 Furniture Studies

Pre-requisites	(DTB201 or DTB102) and (DTB303 or DTB200)
Equivalent s	DTB503
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit provides you with an opportunity to develop and apply skills and knowledge in relation to the design and making of furniture. This will involve the construction of a scale prototype in a workshop setting. Furniture and joinery are integral elements in an interior environment - aesthetically, socially, and culturally. You will therefore investigate aspects of the interior environment through the design of furniture and joinery within an appropriate context. As such, the unit develops at an intermediate course level your knowledge, skills and their application regarding furniture and joinery in the interior and exterior context with a specific focus on experimental design and prototype construction. It builds upon the technical issues introduced in the units DTB202 and DTB303.

### DTH702 Interior Design Practice Studio 1

Pre-requisites	DTH601 or DTB601 or DTB305
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Credit Points	24
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1

This unit provides an understanding of advanced interior design theory and design research methodology and their application and relevance to design in professional practice whilst consolidating and extending your knowledge to engage with the profession and associated fields. It provides a comprehensive appreciation of the multidisciplinary and interdisciplinary nature of interior design practice and enables the development of professional design and practice competence. The unit is project-based with the major focus being on a course of self-directed learning in an area of personal and professional relevance enacted through high level engagement in the design studio. It is intended to guide you through the 'transitional' phase towards becoming a fully qualified professional and beyond in a context which often demands a multidisciplinary and interdisciplinary approach as well as advanced knowledge of project documentation and project and office management.

### DTH802 Interior Design Practice Studio 2

Pre-requisites	DTH702
Credit Points	24
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

The unit encompasses a self-directed journey of “design through creative exploration”. You articulate your own area of design interest, defining the focus of the year's work through research, analysis, experimentation, project development and refinement, communication, and presentation. It facilitates the exploration and development of each individual's design process and an area of personal design focus culminating in fully developed project outcomes. It is intended that you will continue to cultivate the ability to justify design decisions and validate design outcomes with reference to a framework of theoretical value judgments, and that this will aid in the development of an in-depth understanding of an area of interior design of personal and professional relevance at an advanced empirical and conceptual level.

**DTH803 Professional Studies in Interior Design**

Pre-requisites	DTB501
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This capstone unit aims to further prepare you to engage with and inform the discourse of the interior design discipline and profession in a way that is ethically and socially responsible. Assuming the role of a professional requires an attitude of service - to the client, the user and the wider

community. Integral to this is attention to your own ongoing development as a professional as well as the ability to communicate proficiently within and contribute actively to the discourse of the discipline. While many of these attributes of professionalism have been addressed in your prior learning in the course, this unit provides the opportunity for a more direct focus while also providing a context for further developing and consolidating design practice knowledge and skills covered in DTH702 Interior Design Practice Studio 1.

**DVB101 Visual Communication Design**

Equivalent s	DXB102, KIB101
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This unit introduces the principles and conventions associated with the interpretation and production of meaning through visual representation. Visual Communication is based on the creation of meaning through image and text and this plays a critical role in our contemporary world which is visually and media driven. Visual communicators require a deep understanding of conceptual development, design process, typography and image making, and how image-based communication occurs. You will learn how to

think and operate as a visual designer through studio-based learning and a series of industry-focused experiences.

**DVB102 Image Design and Production**

Equivalent s	DXB202, KIB120, KVB204
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-2

This unit provides skills and knowledge for image creation and production across different contexts, styles and media. It also deals with issues of originality, creativity and suitability of images used in professional visual design, while increasing your skills and creative approaches to areas of illustration, information design, photography, and photo media design. It advances knowledge on aesthetic and formal qualities of new areas of image design and a growing technical skill set which will be built upon in further Visual Communication Design specialisation subjects. In a world of easily reproduced digital imagery, the ability to create your own original illustrations, photos, textures and patterns can be highly competitive. Along with developing practical skills to generate original imagery for your design work, the unit further develops your capacity to critique and reflect upon practice.

**DVB201 Typographic Design**

Pre-requisites	DVB101 or DXB102
Equivalent s	DXB302, KIB231, KIB335
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides knowledge and skills of typographic principles, composition and design strategies. It combines theory and practice, history and experimentation, and designing for print and digital media, all within a vibrant studio environment. You will engage with dynamic, creative briefs and use type as the main element of visual expression in your work. Typically typography is at the core for any visual communication work, independent of the media. 'Good' typographic design demands well developed technical skills, constant attention to detail, as well as a sharp understanding of the context and content of the message being transmitted. Upon completion of this unit you will be able to understand, apply and manipulate multiple aspects of typography as a powerful visual communication tool and to prepare and publish your work in multiple media contexts, including within emerging technologies and environmental spaces.

**DVB202 Visual Narrative Design**

Pre-requisites	DVB101 or DXB102
Credit	12

Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

While contemporary visual communication often applies concise and immediate messaging for targeted audiences, it can also require extended, multi-layered narrative-led messaging. This unit provides theoretical, conceptual, technical and research skills to produce narrative-based visual communication works. The unit addresses principles and techniques of visual storytelling across multiple media forms such as print, screen and space, and allows you to develop key portfolio pieces which are complex and creative. Visual Narrative Design builds upon the Visual Communication foundations, expanding the scope of projects you are equipped for.

**DVB203 Theories and Methods of Visual Communication**

Pre-requisites	DVB101 or DXB102
Equivalent s	DXB402, KIB207
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit builds on your understanding of the principles of visual communication and its role in determining the values of our contemporary cultures and societies. Through exploring theoretical perspectives, discussions and class exercises you will critique and analyse images and visual

communication designs occurring in multiple contexts. In doing so, you will develop further expertise in the production of contemporary communication design and the ethical, social and professional responsibilities of a designer. This unit directly builds upon the Visual Communication and Image Production units while providing opportunities to engage with critical analysis of images and experiences and evidence this through written expression and report writing.

**DVB301 Kinetic Image and Text**

Pre-requisites	Completion of 36 credit points of Visual Communication units (DVB%)
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Moving image and typographic design has become a leading form of communication in contemporary society, from online contexts, to film and television, to digital signage. An in-depth understanding of and creative skills in motion-based design are essential for visual designers to work on major campaigns and address all client needs. This unit provides you with knowledge of key theoretical approaches, techniques and methods of kinetic design and allows you to explore these through practice within studio-based assessment projects. In taking this focus, the unit builds directly upon prior foundations of Image Design and Typography in the Visual



Communication specialisation and prepares students to work at a further, advanced level within the industry.

### DVB302 Data Visualisation and Information Design

Pre-requisites	Completion of 36 credit points of Visual Communication or Interaction units (DVB% or DXB%)
Anti-requisites	CCN104, CCN205
Equivalent s	DXB502, KIB340
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

Information and data is now an essential aspect of everyday life in our technologically-driven and visually rich society. In the contemporary world, the generation of data is much greater than the ability to digest and visualise this as meaningful information. The unit provides advanced knowledge and skills in visual information design and data visualisation allowing you to apply these within a series of practice-based design works. The unit contextualises the growth of this information design specialisation for visual designers, raises issues relating to data collection and integrity, and provides you with a comprehensive understanding of the variety of design approaches that can be engaged within this area. It offers both a practical understanding of established information design models and also the opportunity to develop an innovative and future-

forward approached to data visualisation, including utilising interactivity.

### DXB110 Principles of Interaction Design

Equivalent s	DXB201
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1

This unit introduces Interaction Design theories, methods, tools and applications essential for the design of digital products, services and experiences for human interaction. It enables you to undertake user experience research in response to real world briefs, critique leading industry case studies and practices, iteratively prototype solutions, and evaluate usability of the outcome with regard to user experience. Amidst global proliferation of digital products and services shaped by trends in augmented and virtual reality, automation, smart homes, and the Internet of Things; there is a greater emphasis on designing digital interactions, interfaces and systems that improve the human experience. In order to effectively achieve that, this unit provides foundational skills and knowledge in human-centred design, including aspects of the interaction design lifecycle, methods, tools and techniques needed to solve real world problems.

### DXB111 Web Prototyping

Equivalent s	DXB203, KIB103
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit introduces concepts and skills underpinning the user-centred design of web technologies, such as HTML and CSS. As such, it enables you to understand web technologies as a medium to explore design concepts and build responsive, high-fidelity, web-based prototypes. This includes translating conceptual designs into engaging prototypes while taking into account principles of interface and user experience design, layout, style and navigation. The unit enables you to formulate solutions to design problems and to produce high quality technical and aesthetic outcomes.

### DXB205 Interactive Narrative Design

Pre-requisites	Completion of 24 credit points of study
Equivalent s	DXB304, DXB404
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit serves as an introduction to creating immersive environments and building interactive worlds for player performance and dramatic agency. The role of the narrative designer is central to the success of any significant professional project

in interactive media and game design. The unit addresses theoretical issues associated with immersive / non-linear story structures and interactive narrative forms through the analysis of game / play systems, the creation of original game concepts and the application of techniques of narrative design. It extends this understanding into practice through the application of relevant skills, which will scaffold you into the production of a portfolio work (suitable for interaction designers, visual communication designers, game designers, media designers, creative writers and performance studies).

**DXB210 Critical Experience Design**

Pre-requisites	DXB110 or DXB201
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

This unit explores the way in which critical design theory and practices can transform established design conventions in new and unexpected ways, leading to innovative design solutions. Design does not operate in isolation. All our decisions as designers affect not only the produced outcome, but the broader society and environments for which it is created. This unit provides you with design skills to create highly engaging interactive products, services and experiences from

conception to production, while focusing on their impact and potential of design for change and deep transformation. In this unit you will adopt critical thinking and speculative design methods to analyse, design and present solutions for future scenarios (e.g. living in future cities, design of future hospitals and future of entertainment) as a way to re-frame present interactions between people, spaces and technologies.

**DXB211 Creative Coding**

Pre-requisites	36cp of previous study
Equivalent s	DXB303, KIB205
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This unit introduces the principles of creative computer programming in the context of design and creative practice. It addresses a range of practices and practitioners who employ, or are informed by, computational processes and techniques. The acquired skills will be applied to the creation of creative visual and interactive design outcomes in a studio setting. Many aspects of design and creative practice involve computers and, as a result, designers and creative practitioners have taken advantage of the medium and now employ computer programming and computational processes within their practices. As such, it is important for you to develop core skills in computer

programming, as well as knowledge of the history, uses and processes associated with the use of computational processes in design and creative practice.

**DXB212 Tangible Media**

Pre-requisites	DXB211 or DXB303
Equivalent s	DXB501, KIB314
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit provides in-depth knowledge of tangible media through the production of an advanced tangible media design project. The design and production of computational and interactive media forms requires theoretical knowledge and an understanding of the processes that underpin the tangible as well as the embodied ways in which people interact with such systems. This unit builds upon previous interaction design studies and extends these studies into the field of tangible media.

**DXB310 Augmented Interactions**

Pre-requisites	Completion of 48 credit points of Interaction units (DXB% units)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit advances on your understandings of augmented interaction. Studio-driven explorations of emerging and

future practices and concerns, and engagement in a chosen problem space, will facilitate such process. The unit provides an opportunity for reflective practices to situate your work in the relevant context as well as extend your own understanding of interaction design. You will create an augmented interactive system that responds to a problem or site you identify and research, as well as evaluate people's experience of it gaining formative feedback. You will use interactive media technologies, such as virtual and augmented reality software tools and sensors, and develop a visual and experiential language for your concept. Understanding social and physical phenomena evolution and how we interact with the world is crucial, even more so today as wireless networks proliferate and that interaction is increasingly mediated.

**DXB310 Augmented Interactions**

Pre-requisites	Completion of 48 credit points of Interaction units (DXB% units)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit advances on your understandings of augmented interaction. Studio-driven explorations of emerging and future practices and concerns, and engagement in a chosen problem space, will facilitate such process. The unit provides an opportunity for

reflective practices to situate your work in the relevant context as well as extend your own understanding of interaction design. You will create an augmented interactive system that responds to a problem or site you identify and research, as well as evaluate people's experience of it gaining formative feedback. You will use interactive media technologies, such as virtual and augmented reality software tools and sensors, and develop a visual and experiential language for your concept. Understanding social and physical phenomena evolution and how we interact with the world is crucial, even more so today as wireless networks proliferate and that interaction is increasingly mediated.

**DXB403 Design for Interactive Media**

Equivalent s	KIB109, KIB210, KIB214
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces you to interaction design, user experience design, and design communication, focusing on the specific designs, techniques, and methods of the creative industries. In order to support careers in the field of interactive media design, it is important to underpin this understanding with knowledge of design, mindset and methods; as well as the social,

historical, technical, and cultural contexts in which design occurs. Designing for contemporary media requires a sophisticated understanding of how we effectively interact with new technologies, software applications, objects and environments. This unit develops an understanding of the theories, methods, and processes employed in interaction/experience design through a series of teaching activities. These principles are then applied to authentic design briefs within design studios.

**DXH601 Integrated Experience Design**

Pre-requisites	DXB502 or KIB340 or DVB302
Equivalent s	KIB338
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit integrates design theory and practices that merge multiple media, disciplines and design fields to address design briefs and develop holistic experiences to users. Design does not operate in isolation - our decisions as designers affect the produced outcome as well as the society and environment in which it is inserted. This unit provides the skills to work on integrated design projects from conception to production, bringing meaningful and transformative experiences to users. It is based on the



contemporary understanding that design is a driver for change. As an interaction and visual designer with the ability to navigate through multiple media and disciplines, you are at the core of this transformation in the design field. This unit provides the opportunity to use your design thinking and interaction and visual communication skills to frame complex problems and work on creative integrated responses that go beyond the search for functional and aesthetic outcomes.

### DXH602 Embodied Interactions

Pre-requisites	DXB212 or DXB501 or KIB314
Equivalent s	KIB309
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces the concept of embodiment and how to design and realise embodied interfaces in the Creative Industries. Interaction with technology has advanced beyond the desktop paradigm of mouse and keyboard to embodied interfaces that incorporate video tracking, audio input, and gestural interaction techniques. Applications range from wearable technology to tangible media installations. This unit introduces an experimental field of interactive media design through the practical application of the processes and techniques of

tangible media. In order to work successfully as a designer in the field you will need to understand the ways in which people communicate and create meaning through embodied interactions. Designing embodied interfaces requires an understanding of how physical and social phenomena unfold across both time and space and how we interact with the world in which we are situated.

### DXH701 IVD Research Studio 1

Pre-requisites	((DXH601 or DXH602 or KIB338 or KIB309) and completion of 264 cp of study) or completion of 60 cp of Visual Communication units (DVB%)
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1

This unit addresses advanced interaction and visual design theory and design research methodology, and their application and relevance to design in professional practice. Design research is a key component of many careers in interaction and visual design. This unit addresses this demand by providing an opportunity for you to develop a major design-led research project. This is undertaken in a studio setting, under the guidance of academic supervisors from the discipline. It brings together the skills and knowledge developed over the first three years of your degree and leads to the capstone studio unit DXH801.

### DXH702 Contemporary Issues in IVD

Pre-requisites	(DVB203 or DXB402 or KIB207) and completion of 180cp of study
Equivalent s	KIB315, KIB813
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit addresses contemporary design practices, theories, methodologies and philosophical contexts to develop the critical, creative and analytical thinking for design innovation. The uptake of new technologies in communication, social interaction, and expression has changed the way we conceptualise interaction and visual design. It now requires an understanding of new design models as well as issues that arise when we explore digital technologies. The unit will address the intellectual framework for considering philosophical and cultural issues surrounding (information) technology and design (historical development, modes of production and cultural impacts) and its methods of analysis. Contemporary designers need to be aware of how emerging technologies are shaping communication, society and culture. This unit aids you to reflect upon interconnections between technology, design and society, and to provide advanced frameworks for design research and innovation.

**DXH801 IVD Research Studio 2**

Pre-requisites	DXH701
Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit focuses on design research and enables you to undertake projects at an advanced level within interaction and visual design. Through the unit you learn to integrate research and design knowledge to conduct a design-led research project, with a design outcome suitable for professional / public presentation. The unit aims to consolidate the knowledge, skills and application abilities you have developed throughout the course in preparation for the complexities and responsibilities of practice. It provides you with an appreciation of the interdisciplinary nature of Interactive and Visual Design practice.

**DXH803 Professional Practice for Designers**

Pre-requisites	DXH702
Equivalent s	KIB322, KIB806
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit enables you to outline a strategy for your future as a designer and present yourself as a design professional in

public contexts. It is based on professional workshops and presentations that will cover collaborative and inclusive work practices. This unit serves as a capstone for the Interactive and Visual Design program, and is where you will bring together your individual creative expression, design understanding, technical knowledge, and organisational skills taught throughout the course. In it, you will present yourself as a design professional in public contexts. You will do this through identifying and planning your own professional strategy for your personal design philosophy and goals, and then publicly present a portfolio of design work to a professional standard. The work you choose to showcase can be a portfolio design piece developed in your design studio unit DXH801.

**DYB101 Impact Lab 1: Place**

Equivalent s	DEB101, KKB102, KKD102, KKB185, KYB101
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

While you will develop disciplinary knowledge and skills through the course, many problems facing organisations and societies naturally span disciplines. The four common core Impact Labs in the Bachelor of Design explore the potential of design to bring about change. As the first Impact Lab, DYB101 introduces design processes and practices for a future characterised by diverse

perspectives, social agendas and environmental concerns. You will learn how 21st-century designers from all disciplines must think and work with diverse viewpoints to address challenging themes.

**DYB102 Impact Lab 2: People**

Pre-requisites	DYB101
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit addresses methods of social impact design and the ways in which these approaches can contribute to transformational social and community focused change. In it, you experience how design approaches and tools can be applied to complex social and community-based challenges. In a context where design can foster inclusion and act as a disruptor and driver for positive change you as a designer, alongside your design peers, have the collective potential to lead or make a better future. Framed around real world challenges; and in partnership with community, government and/or industry partners; you will engage with design-led participatory strategies to address key issues within one or more communities. This will develop skills valuable in designing for social impact. This impact lab focuses on people, to foreground and privilege the importance of keeping the human condition at the heart of design practice which enables solutions aimed at social change.

### DYB111 Create and Represent: Form

Equivalent s	DAB103, DTB103, DEB103, DLB103
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

This unit introduces you to the foundational visualisation skills and applications needed to formulate design propositions such as sketching, technical drawing, simple physical and digital model-making, rendering, composition and presentation. Visualisation is a crucial part of design thinking. The ability to use appropriate techniques and media to communicate design ideas is a vital part of the design process. Designers need to conceptualise and communicate two dimensional/three dimensional forms and spatial qualities. Therefore it is important for designers to learn how to imagine, visualise and communicate these ideas effectively. The unit is paired with DYB113 Create and Represent: Materials as part of the foundation block in the first year of study that will enable you to acquire the preliminary skills required for design communication in the Spatial Study Areas. These skills will be progressively applied throughout your course.

### DYB112 Spatial Materiality

Credit Points	12
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Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit provides an exploration of the materials of the built environment. It will focus on a number of thematic issues of materials: their physical properties, their histories, their environmental impacts, and their applications in making architecture, interiors and landscapes. Through activities of analysis, observation and research, you will discover materials' tectonic ability to heighten the human experience of the spatial environments around us. As such, the unit aims to foster a spirit of enquiry into the creation of spatial environments. As a foundation unit for architecture, interior architecture, and landscape architecture students, it offers a broad view of the spatial disciplines and the materiality of their design and creation.

### DYB113 Create and Represent: Materials

Equivalent s	DAB203, DTB203, DEB203, DLB203
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit introduces you to the fundamentals of building materials and their representation through the development of foundation digital visualisation skills and applications and their integration with manual skills and analogue media. You will develop visualisation skills and techniques within the design

process through understanding the drawing conventions associated with the representation of materials, as well as the ability to select the right visualisation technique for each phase of the design process. Visualisation and representation are crucial aspects of design thinking, with a particular emphasis on understanding the physical quality of building materials. This unit is paired with DYB112 which introduces representation techniques in the design process. In this unit you will learn to use two- and three-dimensional software applications and physical model making to present your ideas, which demonstrates an appreciation of the fundamental aspects of building materials.

### DYB114 Spatial Histories

Equivalent s	DEB202, DED202, UXB130
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This foundation unit introduces the history of the built environment that will inform your study of global architectures that have occurred over several millennia putting the present into its relative context. It is designed to integrate the discipline specific content of architecture, interior architecture and landscape architecture within the broad context of a global understanding of spatial histories from multiple perspectives. The unit



addresses key designs, ideas and issues that have shaped the aesthetic, environmental, socio-cultural and political factors that related to their production. It enables you to become familiar with the critical moments and paradigm shifts of the built environment through global perspectives; and develop an understanding of yourself as a participant in the continuum of the rich cultural tradition of designing and making places for human inhabitation.

### DYB121 Introducing Design Fabrication

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This introductory hands-on unit explores concepts, skills and methods required to prototype and fabricate physical objects from your design ideas. Designers need to consider the capabilities of fabrication, associated processes and equipment, and materials available to produce a physical prototype of their design ideas. From this perspective, design fabrication is problem centric and requires a rationale behind the choice of materials and processes, an understanding of the quality of the fabrication outcome as part of an iterative process or for its temporal qualities for concept evaluation, as well as consideration of the ethics of fabrication. The foundational design fabrication skills acquired in this unit will be further developed in

subsequent design units in the program.

### DYB122 Design Visualisations

Equivalent s	DFB105, DFB302, DNB103, DEB103
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

This unit Introduces you to design visualisation practice and how to employ a variety of techniques to visualise design ideas to assist you in design thinking, research, communication and presentation.

### DYB123 Emerging Design Technology

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit introduces you to existing and emerging technology and how it applies to design. In this unit you will learn about how technology is used in the design process and to design solutions. Designers need to be familiar with technology to aid them in the design process as well as being able to create products that take advantage of emerging technologies.

### DYB124 Design Consequences

Equivalent s	DEB202, DED202
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Design Consequences is a foundational unit employing historical, theoretical, and applied methods to explore the ways in which design influences and is influenced by cultural traditions and practices, beliefs and biases. Working across frames of past, present and future, you will learn how to critically engage with and draw upon these cultural factors and influences to shape and define your design work and practice. The twenty-first century presents designers with a challenging context characterised by the increasingly dramatic effects of climate change, growing levels of inequality, and destabilised geopolitical conditions. This unit will introduce you to a range of ideas, methods, and approaches necessary to understand design not only as products, environments, services and experiences but also as a social, cultural, political, and economic agent.

### DYB201 Impact Lab 3: Planet

Pre-requisites	DYB102
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit aids you to take design-led approaches to analyse, evaluate and deliver innovative and ethical responses or design propositions. It builds upon the skills and experiences gained in the first two impact labs, introducing a new scale of investigation through the exploration of complex issues

that have a global impact. You will collaboratively analyse and evaluate these issues to develop responses or design propositions that provide avenues for more sustainable and ethical behaviours or systems. This approach will allow you to consider how design methods and approaches can be used to address complex global issues such as those defined by the United Nations (UN.org, 2017).

### EAN601 Investigating Curriculum and Pedagogy in Early Childhood

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Debates and shifts in education contribute to the shaping of new pedagogical approaches and curriculum directions. In this unit you will be given opportunities to take the lead in current discussions and debates. Issues will be examined using analytical frameworks, interpreting existing research, and through developing your own learning agenda for critically assessing issues and contingencies.

### EAN603 Child Development in Context

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Increasingly, developmental

science is an interdisciplinary field that takes account of psychological and sociological theories, as well as perspectives from the neurosciences and biology. The unit will review a range of current perspectives that inform understanding about child development. The application of this knowledge to early childhood education and other professional contexts in which practitioners work with young children and their families will be a focus. This unit will enable students to develop their scholarly abilities in the analysis of theory and research on child development and its application to their professional responsibilities.

### EAN614 Arts and Sciences in Early Childhood

Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

Early childhood teaching and learning in the arts and sciences requires ongoing construction and reconstruction of new knowledges about learners, learning and the early years context in which learning takes place. The content builds constructively on your knowledge base in the areas of the arts and sciences and promotes ongoing development of effective communication capabilities using appropriate literacies for engaging in confident leadership in students' professional learning environments.

### EAN615 Mathematics in Early Childhood

Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

Children's early experiences are critical in laying the foundation for them to become numerate citizens and critical participants in society. It is essential that children have opportunities to develop concepts that are foundational to understanding in mathematics. Therefore, early years educators require knowledge about how young children develop understanding in a number of conceptual areas and a positive disposition towards mathematics. In this unit, you will learn about foundational concepts in mathematics and explore ways in which early childhood educators can develop appropriate learning opportunities and foster children's mathematical development.

### EAN616 Language, Literacies and Communication in Early Childhood

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

The focus of this unit is to help you to understand recent research-based practices for literacy learning and teaching in the years before compulsory schooling and the early years

of schooling. Emphasis is placed on a definition of literacy as critical social practice, and a balanced approach to literacy teaching and learning is foregrounded. The unit highlights the importance of all children becoming active participants in society and of knowing and engaging in a range of literacy practices. The unit will provide opportunities for you to consider the importance of providing 'high quality' literacy instruction to all students as a basic foundation of a socially just or 'high equity' education system. This unit will engage you in addressing current issues and debates and understanding the recent research evidence and professional practices that underpin effective literacy learning and teaching in the early years.

**EDN602 Advanced Seminars**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-1 (Block) <b>External</b> - SEM-1

This unit provides for your special needs and interests, and also an opportunity to engage in an advanced seminar series. This allows you the possibility of studying in a group with academic staff to develop expertise in a specific area, working with visiting scholars with special expertise, involvement in special seminars and conferences occurring in Australia and overseas, or working in

particular research projects that are running for a limited time. The unit has been designed to meet this need for advanced work by small groups of students interacting with specialists.

**EDN604 Facilitated Study Unit**

Co-requisites	
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

The units EDN604-1 and EDN604-2 are linked together, and can be studied concurrently, or consecutively. In these units you will undertake an in-depth literature review to investigate the empirical research and other scholarship, theory, policy, and practice on a topic of your choice. As capstone units, these serve as the culminating achievement in your degree. You will take charge of your learning and make decisions about the topic, approaches and outcomes, supported by feedback. You will refine specialised academic knowledge and skills required to analyse critically, reflect on and synthesise information, programs, concepts and theories. You will build an integrated understanding of a body of knowledge, and apply your learning to effectively communicate the implications of your findings for educational practice. You will cultivate ways of working to identify problems, research the

evidence base, and apply your consolidated learning in response to new decision-making career.

**EDN604 Facilitated Study Unit**

Co-requisites	
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

The units EDN604-1 and EDN604-2 are linked together, and can be studied concurrently, or consecutively. In these units you will undertake an in-depth literature review to investigate the empirical research and other scholarship, theory, policy, and practice on a topic of your choice. As capstone units, these serve as the culminating achievement in your degree. You will take charge of your learning and make decisions about the topic, approaches and outcomes, supported by feedback. You will refine specialised academic knowledge and skills required to analyse critically, reflect on and synthesise information, programs, concepts and theories. You will build an integrated understanding of a body of knowledge, and apply your learning to effectively communicate the implications of your findings for educational practice. You will cultivate ways of working to identify problems, research the evidence base, and apply your consolidated learning in response to new decision-



making career.

### EDN610 Professional Dialogues in Education

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

This unit develops understanding of what it means to be an innovator and a leader in a contemporary professional context. The unit is underpinned by the notion that innovation means being more critical, being open, being able to engage with greater uncertainty and complexity, and being able to learn from the past and from a broad range of contemporary ideas in order to manage the future. You are encouraged to undertake a disciplined inquiry into educational problems and issues through reflection on your own professional contexts and guided close reading of scholarly works about the big debates in education. This unit supports the development of a learning agenda that will inform directions for your study in the course as you develop your personal area of interest and work collaboratively with others in the development of that agenda. The unit also provides opportunities for learning through online technologies.

### EDN611 Conducting and Evaluating Educational Research

Credit Points	12
Campus	Kelvin Grove and External

Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2
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To bridge the gap between practice and research knowledge that may inform practice, you need to be confident in actively seeking research evidence on aspects of your own practice and to develop critical reflection skills towards reported findings. It assists you to search databases and other sources to locate published research reports in your field and evaluate them critically. This unit focuses on needs for reading, understanding and evaluating research. It is useful for professionals seeking to both use and conduct research projects.

### EDN612 Shaping an Educational Research Project

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

To support early career researchers as they plan, design and undertake a research project, this unit focuses on developing skills, practices and knowledges necessary to design and conduct educational research in innovative ways and to investigate current, innovative topics, issues and challenges. The unit is structured to enable knowledge of the commonalities and differences between various paradigms and approaches to be

developed and to ensure consistency in the design of research. This unit is relevant for you if you are engaging in research projects, particularly if you are enrolled in the Master of Philosophy course. It will support you to conduct research within particular fields of interest. You will consider the design issues involved in addressing your research interest/focus/question.

### EDN635 Professional Experience in Early Childhood

Pre-requisites	EAN601
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>External</b> - SEM-1, SEM-2

This unit will enable you to draw upon your professional knowledge and experience in making child observations and in planning, implementing and evaluating learning experiences for children and to critically reflect upon your experiences in the early childhood setting, making links to current literature in the field. The professional experience component of this course provides opportunities for the demonstration of competence in working with young children in a planned environment.

### EDR703 Advanced Research Studies in Educational Contexts

Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1 (Block)

Professional doctorates

provide a clear means for practitioners to develop and apply academic and professional knowledge to develop their professional practice. The structured course work components of this doctorate include teaching research methods and broadening and deepening your understanding of the disciplines in which you are researching or providing you with appropriate transferable skills. The professional doctorate has a dual purpose of making a contribution to both theory and practice and of developing professional practice through making a contribution to professional knowledge. To achieve this the research involves 'real life' issues concerned with practice, often within your own organisation, and your close interaction with professionally related problems through the process of your research is expected to lead to opportunities for personal and professional development.

**EFB106 Cost-Benefit Analysis for Project Appraisal**

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Cost Benefit Analysis (CBA) is a key technique used to appraise the relative desirability of competing alternative uses of limited resources. CBA supports decision making with respect to

investment alternatives across a range of industries in the public and private sector. CBA has been used intensively in investment projects, socio-economic programmes and policies. The unit provides students with foundational knowledge and basic skills of CBA.

**EFB201 Financial Markets**

Pre-requisites	BSB113 or (BSB107 and an additional 24cp of study)
Equivalent s	EFX201
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces students to the institutional elements of global financial markets, and the role and reality of financial markets as an integral part of the economy and of social and political structures. Topics explored in this unit include the functions of financial markets, the banking and payments system, financial system deregulation, non-bank financial institutions, stock exchange operations, debt markets, foreign exchange markets and markets for financial derivatives. Students will practise key skills of critical exploration and analysis in considering the role of finance theories and models to help understand key financial market events within broader social, economic and political contexts. Students will continue to develop and apply these foundational insights and

critical thinking skills in subsequent finance units.

**EFB210 Finance 1**

Pre-requisites	BSB113 or MAB126 or MXB105 or MZB126 or (BSB107 and an additional 24 credit points of studies)
Equivalent s	EFX210
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces the fundamental concepts, theories and skills of financial management and how these are applied to solve problems associated with the decisions of financial managers. This is essential knowledge for financial decision makers. Topics covered include: an introduction to the financial institutional framework; an introduction to debt and equity instruments; financial mathematics applied to the pricing of debt and equity securities; a firm's investment decision including Net Present Value and Internal Rate of Return; introduction to risk and uncertainty using the Capital Asset Pricing Model and Weighted Average Cost of Capital concept and risk management. Because of its fundamental nature, this unit is a prerequisite for more advanced units within the finance, accountancy and financial planning study areas, and content studied in this unit forms part of the knowledge and skills required for students

seeking professional accountancy accreditation.

### EFB222 Introduction to Applied Econometrics

Pre-requisites	24 Credit Points of Study
Anti-requisites	EFB101
Equivalent s	EFX222
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides a thorough treatment of regression analysis, including the foundations of statistical and mathematical concepts and skills. The statistical and mathematical knowledge and skills taught in this unit are essential in contemporary economic and financial practice with regression analysis the most widely used econometric modelling technique in the fields of economics, finance, accounting and many others. The unit aims to develop students' knowledge of econometric techniques and to apply these to the analysis of business data. Students will develop regression modelling techniques and also the ability to interpret statistical output. This unit serves as a developmental unit to prepare you for further units in Econometrics.

### EFB223 Economics 2

Pre-requisites	96 Credit Points of Study
Equivalent	EFB102, EFX223

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Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Building on the knowledge gained in BSB113 Economics, this unit extends key theoretical economic frameworks to study fundamental issues in micro- and macroeconomics including the behaviours of consumers and firms, the role of the government in market intervention, allocative efficiency and market structures in the Australian financial context. The significance of the international economy is similarly explored through a discussion of foreign exchange markets, the Australian dollar and the terms of trade. The knowledge and skills developed in this unit will equip students with the ability to analyse the behaviours of consumers and firms, assess the performance of markets and critically evaluate the impact of government policies on efficiency and growth.

### EFB225 Economics for the Real World

Pre-requisites	24 Credit Points of Study
Equivalent s	EFX225
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit builds on the

economic concepts, principles and theories learnt in introductory level economics. It further develops and refines students' economic analysis, evaluation and reasoning skills by applying economic concepts to the exploration of contemporary real world issues.

### EFB226 Environmental Economics and Policy

Equivalent s	EFB334, EFX334, EFX226
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The objective of the unit is to introduce students to some of the current environmental and natural resource issues confronting society and how planners and decision-makers could better understand and address these problems using economics. The unit demonstrates why economics matters more to environmental and natural resources policy and how the approach taken in this unit is free of the constraints of orthodox economics. The unit also explores what would happen when environmental considerations get left out of economics and what happens when economics gets left out of environmental policy-making and resource management decisions. The unit would benefit those who wish to work in government, the private sector or for a non-governmental organisation.



### EFB227 Insurance, Risk Management and Estate Planning

Pre-requisites	EFB210
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit is designed for students to further develop their understanding of risk management, insurance and estate planning concepts and issues, and practise skills in developing and providing financial planning advice to clients. The knowledge and skills developed in this unit are essential for financial planning practitioners.

### EFB240 Finance for International Business

Pre-requisites	(BSB119 or BSB108) and (BSB113 or BSB107)
Anti-requisites	EFB312, MIB202
Equivalent s	EFX240, IBB202
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Doing business internationally increases the range and risks of financial transactions that must be managed within the firm. Managers making decisions involving international trade and investment need to be aware of the nature and extent of the risks involved and to be knowledgeable about

fundamental financial skills used to measure and manage these risks. This unit builds on the skills developed in primary units of the International Business major and provides a firm base for developing financially sustainable international business strategies in later units.

### EFB308 Financial Modelling and Coding

Pre-requisites	EFB210
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

In recent years, large volumes of big complex data have become available to investors. This unit provides an opportunity for students to develop computer coding skills and an understanding of modelling techniques and tools for analysing such complex financial data. The analysis skills students develop in this unit are commonly used to inform investment and managerial decision making.

### EFB309 Financial Derivatives

Pre-requisites	EFB344
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The unit provides students with an in-depth analysis of

derivative securities and examines the theoretical underpinnings of numerous derivative pricing models. Students will also gain exposure to the manner in which various derivative securities are used and priced, gaining industry relevant knowledge and technical skills.

### EFB312 International Finance

Pre-requisites	EFB201 and EFB210
Anti-requisites	EFB240, IBB202
Equivalent s	EFX312
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

As international markets become more integrated, knowledge and skills related to international financial management are becoming ever more important. This unit applies and extends the knowledge and skills gained from EFB201 and EFB210 to international settings. Students are introduced to the international aspects of financial management theory and practice, including: international arbitrage and parity conditions, foreign exchange risk management, international equity markets, political risk, and international capital budgeting. This unit will endeavor to prepare students to operate in the multinational world of the financial markets.

### EFB330 Intermediate Macroeconomics

Pre-requisites	EFB223 or EFB102
Equivalent s	EFB202, EFX330
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

As one of the two key fields in economics, this unit builds on and deepens the knowledge and skills introduced in EFB223, and provides students with opportunities to apply them to more complex issues and contexts. Students will explore advanced macroeconomic theories and the various macroeconomic issues faced by a modern economy, and critically evaluate policies to solve macroeconomic problems in light of their impact and limitations. The unit provides an in-depth analysis of fundamental macroeconomic ideas and further develops the capabilities and skills necessary for a career in the field.

### EFB331 Intermediate Microeconomics

Pre-requisites	EFB223 or EFB102
Equivalent s	EFB211, EFX331
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit explores the economic analysis of and the interplay between the decisions and actions of consumers, firms and governments in modern economies. The theoretical and empirical content of this unit provides a basis for understanding these decisions and actions with a focus on applying microeconomic theories to real world problems. Students will develop the ability to understand and apply microeconomic concepts to a range of contemporary economic issues and problems at an intermediate level. Further, the unit provides a useful appreciation of the range of issues to which economics may usefully be applied to improve managerial decision-making and the formulation of public policy to improve the welfare of the community. The unit prepares students for higher studies in economics and develops students' ability to apply microeconomic knowledge and critical thinking skills to economic problems in real world contexts.

### EFB332 Applied Behavioural Economics

Pre-requisites	EFB331 or EFB337
Equivalent s	EFX332
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit is designed to expose

you to current and practical applications of behavioural economics that can be used to improve the understanding of important topics in a variety of industries and contexts. It teaches you about the economic paradigm, involving very basic but powerful tools to understand ubiquitous human behaviour exploring topics such as fads and herding behaviour, decision under risk and uncertainty, time and distributional preferences, status concerns, inter-temporal choices, human rationality, heuristics and biases, and behavioural game theory. The theories and methodological tools learned in this unit can also be applied to other economic areas and industries.

### EFB333 Applied Econometrics

Pre-requisites	EFB222 or EFB101
Anti-requisites	EFB200
Equivalent s	EFX333
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

As a final year unit the focus is primarily on further developing students' theoretical knowledge and applied skills in econometrics, using common methods that business, economics and finance graduates will encounter in practice. These skills are essential for research in economics and finance and are relevant for use in future

employment.

### EFB335 Investments

Pre-requisites	EFB201 and EFB210
Anti-requisites	EFB318
Equivalent s	EFX335
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

In this unit, students will apply finance knowledge acquired in earlier units to develop investment decision making skills essential for their personal and professional lives. The unit advances understanding of how investment decisions are made, what securities to invest in, how they fit in a portfolio, the impact of transaction costs, the risks associated with investing and performance evaluation of the investment process. Securities and analytical tools investment managers employ when managing equity and fixed income portfolios will be critically examined and applied to real world contexts. By applying higher level knowledge and skills and considering issues from the investment manager's perspective, this unit provides insight into an industry that controls trillions of dollars of assets both domestically and internationally.

### EFB336 International Economics

Pre-requisites	EFB223 or EFB240 or EFB201
Anti-requisites	EFB314
Equivalent s	EFX336
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The slicing of the global value chain and the dominance of global production networks have changed the economics and politics of trade. Trade wars are daily on the news and BREXIT changed the way we think about trade policy. The COVID19 pandemic has created a global economic crisis that dwarfs the GFC. Globalization has come under attack but is it for the right reasons? International Economics advances understanding of these issues and enables students to develop critical reasoning to international business and policy problems. The aim of this unit is to build students' ability to critically analyse tendencies in the international economy. After laying down the empirical and theoretical underpinnings of how trade markets work, students will be presented with the latest examples/controversies in the global economy and will participate in moderated debates that will help them shape their own critical thinking based on economic reasoning.

### EFB337 Game Theory and Applications

Pre-requisites	EFB223
Equivalent s	EFX337
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit is intended to deepen students' understanding of an important branch of economics by developing their understanding of the key theoretical foundations of game theory and its applications.

### EFB338 Contemporary Application of Economic Theory

Pre-requisites	(EFB330 or EFB202) and (EFB331 or EFB211) and (Completion of 168 credit points)
Equivalent s	EFB329, EFX338
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Working as an economist in the real world requires the ability to research and apply economic solutions to often complex problems. This capstone unit is designed to consolidate studies in economics through the application of a variety of economic concepts, theories, and empirical methods to current public policy issues. Students will develop an analytical framework to tackle major economic issues and



practise the practical application of a variety of economic approaches to analyse problems facing Australian and international economies and develop policy options. Current economic research topics, trends and policies are explored including welfare analysis, taxation, productivity growth, and climate change. Students will develop the ability to summarise, evaluate and criticise research findings, and learn how research in economics evolves, preparing them for employment as economists in government, business – in particular consulting - and in the not-for profit sector.

**EFB341 Development Economics: An Immersive Experience**

Other requisites	Subject to Unit Coordinator Approval. Students are required to complete a minimum of 48 credit points of study.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces students to the economic problems and challenges that fall under the purview of Development Economics and includes coursework as well as an immersive international field project to develop their understanding through a real-world application of their skills on a project with a placement

organization. The field project may take place in different international location each year and will be facilitated by the unit coordinator in collaboration with Beyond Borders Learning Programs, the key host organization at these locations. Locations over various years: Mumbai, India (2018, 2019), Kathmandu, Nepal (2020). Other potential locations in future include Dhaka, Bangladesh and Colombo, Sri Lanka. The aim of this unit is to provide a basic grounding in development economics, as well as a grasp of various approaches and initiatives that have been used to solve key challenges associated with poverty and underdevelopment.

**EFB342 Workplace Experience in Economics and Finance**

Pre-requisites	(EFB343 or EFB307) or (EFB330 and EFB331)
Other requisites	Subject to Unit Coordinator approval of an appropriate placement within industry; and GPA: 4.5 or above
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Enrolment in this unit is subject to acceptance for placement. Students wishing to enrol must apply via Inplace - the system used to manage student work experience placements undertaken as part of Work Integrated Learning. Upon acceptance by a host organisation, enrolment will then be confirmed. No guarantee is given to

applicants of acceptance or placement. **Rationale**The application of knowledge to real world setting provides an insight into the efficacy and limitation of theories and concepts acquired in your studies. Besides real world application, through workplace experience students can strengthen their abilities in reflecting on their career in the fields of economics and finance.

**EFB343 Corporate Finance**

Pre-requisites	EFB210
Anti-requisites	EFB307
Equivalent s	EFX343
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit extends the knowledge and skills introduced in earlier finance units to the corporate finance context. It provides an in-depth analysis of the financial management of a business organisation and advances frameworks necessary for the analysis of the more advanced aspects of domestic and international business finance. The further specialisation of financial management knowledge and skills this unit provides equips students wishing to pursue a career in finance with a valuable applied skill set. Topics examined include: working capital management, capital

investment decisions, issuance of corporate securities and capital structure, payout policy, mergers and acquisitions, and financial restructuring.

### EFB344 Risk Management and Derivatives

Pre-requisites	EFB201 and EFB210
Equivalent s	EFX344
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit develops knowledge and skills required to identify, measure and hedge the risks associated with an exposure to financial securities. Building on earlier finance units, and with a focus on the risk associated with movements in market prices (market risk), this unit introduces students to specialised knowledge and skills for identifying, measuring, managing and hedging risk. As derivative securities are an important tool in risk management, this unit explores a wide range of derivative securities and examines their pricing and use in managing and hedging risk. Subsequent topics on derivatives include the pricing and use of forwards, futures, swaps and options contracts. Students will develop their self-reflection skills in considering their application of financial knowledge and reasoning, and in exercising responsibility and accountability for their own learning: valuable skills for

finance professionals.

### EFB345 Managing Investments and Client Relationships

Pre-requisites	144cp of completed study including EFB210
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

A key component of financial planning advice is managing investments and relationships with clients. The purpose of this advanced unit is to build on the financial knowledge gained in earlier units in this major to develop and refine knowledge and skills for managing client investments, setting client investment goals and risk profiles, and managing client relationships. Students will practise communicating effectively with clients, demonstrating ethical and professional conduct.

### EFB347 Student Managed Investment Fund 1

Pre-requisites	EFB335
Other requisites	Minimum Grade Point Average (GPA) of 5 and a selection interview, if required
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Businesses operate in an environment of manifold uncertainty which is difficult, if not impossible, to recreate within a traditional classroom environment. Instead, this unit offers students a unique

opportunity to apply the knowledge and skills developed throughout their undergraduate finance studies to real world investment evaluations and decisions, drawing particularly on the investment knowledge gained in EFB335. This unit focuses on the application of theories and techniques used in security analysis and valuation which are attuned to practice in the real world, including estimating a company's intrinsic value, identifying growth opportunities and threats to business and profitability, and social and ethical considerations of investors. Working under the guidance of academics and industry experts, students gain real experience as professional analysts.

### EFB348 Student Managed Investment Fund 2

Pre-requisites	EFB347
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Businesses operate in an environment of uncertainty which is difficult, if not impossible, to recreate within a traditional classroom environment. Instead, this unit offers students a unique, real world learning opportunity for developing investment decision-making and portfolio management capabilities under realistic conditions. Students apply the knowledge and skills developed throughout their undergraduate finance studies

to real world investment evaluations and decisions, drawing particularly on the investment knowledge gained in EFB335 and EFB347. This advanced unit is the second of a block of two units that provide students with hands-on experience in the operation of a managed fund. Working as senior analysts and portfolio managers under the mentorship of academics and industry professionals, students evaluate investment recommendations for the QUT Student Managed Investment Fund (SMIF) that are put forward by their peers enrolled in Student Managed Investment Fund 1.

### EFB360 Finance Capstone

Pre-requisites	EFB335 and (EFB307 or EFB343)
Equivalent s	EFX360
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Finance Capstone is the final unit in the finance study area and focuses on integrating the knowledge and skills gained throughout students' prior finance studies for application to complex, real world problems. Students focus on identifying, exploring and finding optimal solutions to problems encountered in competitive financial environments and contexts while refining effective decision-making skills. Additionally, this unit seeks to develop students' oral communication, written

communication and teamwork skills. The insights and experiences gained in this unit help to prepare students for further learning and professional practice and, through its applied setting and focus on contemporary finance issues, the unit acts as a bridge between university studies and employment in the financial services industry.

### EFN405 Applied Economics

Anti-requisites	GSN203, GSN411, GSN414, GSN491, GSN492, GSZ491
Equivalent s	EFX405
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - SEM-1, SEM-2, SUM-1, XCH-1, XCH-2

The economic framework in this introductory unit provides students with a broad understanding of the economic forces that impact business and government, equipping them with knowledge, technical and problem solving skills that they will continue to develop and apply in later units where more complex situations and issues are explored. The unit provides an introduction to both microeconomic and macroeconomic key concepts.

### EFN406 Managerial Finance

Anti-requisites	GSN413, GSN423, GSZ413
Equivalent s	EFX406
Credit Points	12
Campus	Gardens Point,

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

This is an introductory unit complementary to EFN425 and EFN420. This unit gives students an essential grounding in applied finance, addressing fundamental issues of how we can use finance in a commercial sense and how this impacts critical organisational and managerial decisions in an increasingly complex and demanding financial environment. Subsequent units in this course will build on the knowledge introduced in this unit.

### EFN408 Special Topic - Economics, Banking and Finance A

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP3, SEM-1

The purpose of the unit is to provide Research students with an opportunity to pursue an elective research topic.

### EFN412 Advanced Managerial Finance

Pre-requisites	EFN406
Equivalent s	EFX412
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This is an intermediate level



## Units

unit which extends the study of financial management introduced in Managerial Finance. It provides an in-depth analysis of valuation and of the financial management of a business organisation. It develops further the framework necessary for the analysis of other and more advanced aspects of domestic and international business finance. With the growing sophistication of global financial markets, this unit provides an excellent base for students wishing to pursue a career in the field.

### EFN414 International Finance

Anti-requisites	EFN417
Equivalent s	EFX414
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit extends the knowledge and skills students have gained in prior units by exploring the influences, issues and challenges of the international environment. Students will investigate financial management issues arising in international settings and develop problem-solving and decision-making skills essential for financial practice.

### EFN415 Security Analysis and Portfolio Management

Pre-requisites	EFN406
Anti-requisites	EFN429
Equivalent	EFX415

s	
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This developmental unit extends the knowledge and skill base of all finance students, drawing particularly on the earlier unit EFN406. This unit focuses on the theories and techniques found in security analysis and investment management which have a profound effect on professional behaviour and practice in the real world. For example, fund managers must understand the needs of their clients, design portfolios consisting of different assets to suit those needs, and ensure the returns from the funds and the associated risk are as per expectations. The required knowledge and skills for effective practice can mean the difference between the success and failure of any type of investment portfolio.

### EFN420 Data Analysis for Financial Managers

Equivalent s	EFX420
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

The field of finance is broad and dynamic. It directly affects the lives of every person and every organisation, financial or non-financial, private or public,

large or small, profit-maximising or not-for-profit. In order to make optimal financial decisions, some basic financial skills are necessary. This unit introduces students to key knowledge and skills necessary for financial managers functioning in an increasingly complex and demanding environment. Subsequent units will build on and extend the knowledge and skills gained in this unit.

### EFN422 Economics and Data Analysis

Anti-requisites	EFN405,EFN419,GSN403, GSN411,GSN414,GSN491
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

To make sound business decisions managers must understand the forces that shape the economic environment and their decision making should, where appropriate, use relevant data analysis. This unit provides the analytical framework needed to understand how market conditions are determined at the micro and macro levels and how market conditions affect business performance. It also provides an essential grounding in statistical literacy and an introduction to basic techniques and concepts in the statistical treatment and analysis of data relevant to the business environment.

### EFN423 Health Economics: Applications and Policy

Anti-requisites	PUN211
Equivalent s	EFQ423
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit provides a strategic overview of resource allocation, funding and economic evaluation in the health and health care markets, which is fundamental knowledge for health managers and those aspiring to work in health policy roles. The management of resources, whether they are financial, material or human, are critical elements of the role of a health service manager.

### EFN424 Equity Trading Floor

Pre-requisites	EFN405 and EFN406
Equivalent s	EFX424
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The purpose of the unit is to offer students in business, economics and finance, an understanding of financial markets from a very applied viewpoint. The course will use a trading platform that will provide the students with tools to apply to the theory of trading, portfolio analysis, technical and fundamental

concepts to practice using a real time feed. (Students will be able to trade the ASX 50 with \$1 million of equity, enabling them to build a portfolio of shares using historical and real time company information, with graphs, charts and company announcements to guide their choices). The unit will focus on institutional details, technical analysis, market efficiency, and trading strategies to exploit the market.

### EFN425 Financial Markets and Institutions

Equivalent s	EFX425
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

This unit introduces students to a range of key concepts and ideas in finance, giving students grounding in how financial markets operate and also the ability to critically apply knowledge and skills to address real world problems and issues arising in financial markets. Subsequent units in this course build on and integrate the foundational knowledge and skills introduced in this unit.

### EFN426 Applied Research in Finance

Pre-requisites	EFN406 and EFN420
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b>

es - SEM-1, SEM-2

This unit provides students with skills for approaching a research problem from an econometric approach. These skills are crucial in the use of a range of research methods and business applications. The knowledge and technical skills gained in this unit will enable students to work effectively with a variety of data and business problems and will have further application in addressing problems they encounter in the subsequent units of this course.

### EFN427 Behavioural Finance

Equivalent s	EFN514, EFX514, EFX427
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2

As a natural complement to the formal economic theory of financial decisions and financial markets, this unit builds on earlier units that address finance theory in this program. As a recognised area of expertise in the world of finance this unit will give students knowledge and skills that play a key role in explaining and supporting financial decision making.

### EFN428 Behavioural Economics: Developments and Applications

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b>

## Units

es	- SEM-2 <b>External</b> - SEM-2
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This unit introduces students to current concepts and practical applications of behavioural economics. Students will learn about and critically apply foundational tools of thought and exploration used in the behavioural economics approach to real-world contexts and problems. It provides a framework incorporating rationality, the psychology of thinking, emotions, heuristics, the brain, and (cultural) evolution, through which human nature and decision-making in organisations may be decoded.

### EFN429 Investments Management

Anti-requisites	EFN415
Equivalent s	EFQ429
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

A key component of financial planning advice is understanding how client investments are managed. The purpose of this unit is to develop students' understanding of foundational financial concepts and issues, and introduce knowledge on managing client investments, setting client investment goals and risk profiles. Knowledge and skills in these areas are essential for graduates working in financial service industries, and establish the foundation for more advanced finance and

financial planning units to build upon.

### EFN500 Contemporary Macroeconomic Theory

Other requisites	Unit Coordinator Approval and undergraduate degree with a major in Economics or Finance required to enrol
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP3

This unit aims to give students an understanding of the different theoretical explanations for the behaviour of the national economy in an international context. Students will explore competing policy approaches in a global context and be able to use the tools of modern macroeconomics to analyse current issues in macroeconomics. It prepares the students for higher studies in macroeconomics.

### EFN502 Developments in Microeconomic Theories

Other requisites	Unit Coordinator Approval and undergraduate degree with a major in Economics or Finance required to enrol
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP2

The unit involves a discussion of contemporary developments and refinements in microeconomic theory, such as firms' strategic interactions in imperfect markets, consumer behaviour and decision biases,

problems of collective action, externalities and public goods, and market mechanism design. It is expected that on completion of the unit, students will have developed an understanding of the basic tenets of microeconomic theory and its application to several economic issues of interest and of relevance to government policy, and private/public sector decision making.

### EFN505 Financial Risk Management

Pre-requisites	EFN412 and EFN426
Equivalent s	EFX505
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Risk is one of the most misunderstood concepts in finance. This advanced finance unit employs an authentic learning approach where you will develop a deep understanding of the key concepts and processes of risk management, helping you to flourish in a rapidly changing world. This unit builds on the knowledge and skills you have acquired about finance in earlier finance units.

### EFN507 Advanced Capital Budgeting

Pre-requisites	EFN412
Equivalent s	EFX507
Credit	12



## Units

Points	
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Capital budgeting is an important aspect of a firm's financial management. As capital budgeting concerns the firm's long-lived assets, decisions made in this area are likely to impact upon the firm well into the future and have much to do with its long-term performance. This unit builds on the foundational finance knowledge, extending it to the context of making capital budgeting decisions.

### EFN508 Econometric Methods

Anti-requisites	BSN506
Other requisites	Unit Coordinator Approval and undergraduate degree with a major in Economics or Finance required to enrol
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP2

The purpose of the course is to provide Honours and Higher Degree Research Students with the basic quantitative research skills necessary to complete the applied econometric work in their dissertation or thesis. The course will focus on fairly practical considerations, such as: how to develop testable implications from theoretical models; and a practical understanding of regression analysis and other more advanced econometric

methods; and how to use econometric software to conduct empirical research.

### EFN512 Asset Pricing

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP3

The purpose of this unit is to provide Honours students with an overview of the current state of empirical research in asset pricing and risk management. The unit will help students develop the skills to apply the econometric tools to formulate tests of theories considered in prior units.

### EFN513 Corporate Finance

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP3

The primary purpose of this unit is to expose students to and familiarise them with the major literature and recent developments in corporate finance research. Specifically, the aim is to draw attention to the latest research on selected topics in corporate finance and the 'typical' problems encountered in empirical work in corporate finance, e.g., those associated with data accuracy, the nature and limitations of the assumptions embodied within the models adopted, and the problems of joint hypothesis testing. This should build an awareness of both the strengths and limitations of the models and methods currently used in

corporate finance research.

### EFN515 Economic and Financial Modelling

Pre-requisites	EFN415
Anti-requisites	AYN419, EFN503
Equivalent s	EFN410, EFX410, EFX515
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit has an applied focus with an emphasis on investigating real world problems and working with real datasets. It provides opportunities to critically assess and respond to a range of problems including setting up appropriate models and adapting models to different situations. As a later unit in this program, students build on the financial and economic knowledge and skills gained in earlier units and further develop and refine key technical and critical thinking skills with real world application.

### EFN516 Insurance and Risk Management

Pre-requisites	48cp of completed studies in postgraduate Accounting, Financial Planning or Applied Finance units
Equivalent s	EFQ516
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is designed for students to develop an advanced level of

understanding about insurance and risk management, their relationship and other related factors on which financial planning practitioners advise clients and employers. The knowledge and professional skills students practise in this unit will help to prepare them for working as financial planning professionals.

### EFN520 Behavioural Client Management - Financial Planning (Capstone)

Pre-requisites	(AYN457 and 48cp of completed studies in postgraduate Accounting, Financial Planning or Applied Finance) or enrolment in BS39 Financial Planning major (BS39MJR-FINPLAN).
Equivalent s	EFQ520
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit enables students to develop behavioural client management skills focusing on the examination and evaluation of behavioural biases; evaluation of market anomalies, risk profiling and investment behaviour and harmonising human and financial capital. Integrating and extending financial planning knowledge and skills gained in earlier units, students will develop a critical understanding of the financial planning discipline working individually, with peers, and with industry professionals on real-world financial planning cases and problems. This unit supports students to develop their professional identity, and

enables students to demonstrate their career-readiness through the preparation and presentation of a detailed statement of advice using industry software as they prepare to transition to become financial planning professionals.

### EFN555 Advanced Applications in Finance

Pre-requisites	EFN412 and EFN415
Equivalent s	EFX555
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

As a capstone experience in Applied Finance, this unit focuses on the integration and synthesis of the knowledge, skills, and understanding students have gained across their Applied Finance program of study. The unit connects student learning via case studies where students focus on identifying practical solutions to real-world problems encountered in finance. The case studies help to consolidate student learning, extend their critical thinking through applications, and facilitate employment-focused teamwork to support their transition into work.

### EFQ423 Health Economics: Applications and Policy

Anti-requisites	PUN211
Equivalent s	EFN423

Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

This unit provides a strategic overview of resource allocation, health-related behaviour and economic evaluation in the health and health care markets, which is fundamental knowledge for health managers and those aspiring to work in health policy roles. The management of resources, whether they are financial, material or human, are critical elements of the role of a health service manager.

### EFQ429 Investments Management

Anti-requisites	EFN415
Equivalent s	EFN429
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

A key component of financial planning advice is understanding how client investments are managed. The purpose of this unit is to develop students' understanding of foundational financial concepts and issues, and introduce knowledge on managing client investments, setting client investment goals and risk profiles. Knowledge and skills in these areas are essential for graduates working in financial service industries, and establish the foundation for more advanced finance and financial planning units to build upon.

### EFQ516 Insurance and Risk Management

Pre-requisites	48cp of completed studies in postgraduate Accounting, Financial Planning or Applied Finance units
Equivalent s	EFN516
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

This unit is designed for students to develop an advanced level of understanding about insurance and risk management, their relationship and other related factors on which financial planning practitioners advise clients and employers. The knowledge and professional skills students practise in this unit will help to prepare them for working as financial planning professionals.

### EFQ520 Behavioural Client Management - Financial Planning (Capstone)

Pre-requisites	(AYQ457 and 48cp of completed studies in postgraduate Accounting, Financial Planning or Applied Finance) or enrolment in BQ39 Financial Planning major (BQ39MJR-FINPLAN).
Equivalent s	EFN520
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES3

This unit enables students to develop behavioural and client management skills focusing on the examination and evaluation of behavioural biases; evaluation of

market anomalies, risk profiling and investment behaviour and harmonising human and financial capital. Integrating and extending financial planning knowledge and skills gained in earlier units, students will develop a critical understanding of the financial planning discipline working individually, with peers, and with industry professionals on real-world cases and problems. This unit supports students to develop their professional identity, and enables students to demonstrate their career-readiness through the preparation and presentation of a detailed statement of advice using industry software as they prepare to transition to become financial planning professionals.

### EGB100 Engineering Sustainability and Professional Practice

Equivalent s	ENB100
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is an introductory unit for all engineering disciplines. It provides you with a wide appreciation of the engineering profession, its achievements and current and future challenges. It will introduce you to the concept of sustainability and how sustainability impacts current and future engineering ventures. It will also develop your professional skills that will be essential to your functioning as an effective professional engineer both individually and

as part of a team.

### EGB111 Foundation of Engineering Design

Pre-requisites	EGB100 (can be enrolled in the same teaching period)
Equivalent s	ENB150
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Analysis, designing, building, testing and maintaining are the core elements of engineering; Foundations of Engineering Design provides you with fundamental knowledge and skills to design, build and test simple engineering systems through a number of exploratory, hands-on activities, leading to the design and build of a practical engineering system. This unit is the first of a series of engineering design units which form the backbone of the engineering program.

### EGB113 Energy in Engineering Systems

Anti-requisites	EGD113,PVB101
Equivalent s	ENB130
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is a foundation engineering unit to introduce the fundamental concepts that are applied by engineers to



understand the interaction and transfer of energy between components of an engineering system that result in motion and transmission of energy using simple examples from various engineering disciplines such as electrical, mechanical, process, civil, etc. Engineers in all discipline areas often work with numerous kinds of systems where consideration must be given to the motion within, and associated energy of, the system and how this energy can be transferred through the system, often in different forms. The unit will provide the ability to recognise and apply the basic relationships required to solve problems involving forces, motion and energy. The unit is built upon in further engineering units within various degree programs.

**EGB120 Foundations of Electrical Engineering**

Anti-requisites	EGD120
Equivalent s	ENB120
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This is a foundational electrical engineering unit which covers concepts around the relationship between electrical energy, electronic instrumentation and measurements. It introduces techniques for circuit analysis, instruments for measurement and practical applications in an

engineering context. The ability to analyse and understand electrical circuits and related concepts plays a key role in all engineering disciplines, but plays a key foundation for students studying electrical related majors. The concepts in this unit will be built upon in future units. EGB120 combines real world focused lectures, tutorials and practicals to give a hands on experience learning about these fundamentals.

**EGB121 Engineering Mechanics**

Pre-requisites	EGB111 or EGB113 or EGD113 or PVB101. EGB111 can be enrolled in the same teaching period as EGB121
Anti-requisites	EGD121
Equivalent s	ENB110
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This is a foundation engineering unit that will develop the necessary skills in analysing mechanical and civil engineering systems (cranes, buildings, bridges and mechanical equipment) to maintain equilibrium leading to the determination of direct, bending and shear stresses that will aid you in design. The principles of engineering mechanics are essential for the purpose of accurate design and analysis of mechanical components and structures. This is an introductory unit and provides the basic knowledge

and skills in statics and mechanics of materials including mechanical properties of rigid bodies. It forms the foundation for advanced engineering units such as Stress Analysis, Structural Analysis and Mechanical Design by developing your basic knowledge and skills that are important to your engineering degree and career.

**EGB123 Civil Engineering Systems**

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is a foundation civil engineering unit that will introduce you to civil engineering systems and thinking through local urban site investigations and large industry project contexts. You will integrate systems thinking and information science with skills in investigation, analysis and synthesis, and written and visual literacy that underpins civil engineering practice. You will develop both independent and collaborative strategies for managing and completing tasks on time in real world contexts taking into account technical, social, economic, and environmental issues with guidance from academic and industry leaders. This unit provides the foundation for most of your second year units in a major civil engineering study area. It also exposes you

## Units

to areas of future work and study choice (e.g. Study Area B options).

### EGB210 Fundamentals of Mechanical Design

Pre-requisites	(EGB111 or ENB150 or EGB113 or EGD113 or PVB101) and EGB314
Equivalent s	ENB215
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Mechanical Design forms the backbone of the Mechanical Engineering Degree. This unit is an introduction into Mechanical Design. It brings together fundamental engineering units such as Applied Mechanics, Mechanics of Solids, Fluid Mechanics and Materials Study and is a common unit for students studying Mechanical Engineering, Medical Engineering and Mechatronics. It will develop systematic knowledge and practice of methods of engineering problem solving, design procedures, design analysis, and introductory mechanical components design, highlighting the need for sustainable and contextually appropriate solutions. It lays the basis for advanced study in Mechanical Design.

### EGB211 Dynamics

Pre-requisites	(EGB113 or EGD113 or ENB130 or PCB136 or PCB150 or PVB101) and (MZB126 or EGD126 or MAB126 or MAB180 or
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	MAB131 or equivalencies)
Equivalent s	ENB211
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Mechanical engineers are required to have a sound knowledge in motion of particles and rigid bodies, which is essential in the design and production of machines and other engineering systems. Dynamic forces in systems such as motor vehicles, aircrafts and robotic devices are determined by kinematic and kinetic analysis of these systems. These forces play an essential part in the design of these systems. In this introductory unit, you are introduced to the concepts of dynamics in the context of real engineering systems. The basic principles for dynamics of particles and rigid bodies in 2D are introduced and discussed as related problems within various engineering systems. On completion of this unit, you will be able to apply fundamental principles of kinematics and kinetics in formulating and solving dynamics problems for particles and rigid bodies and analyse kinematics and kinetics of basic mechanical components and mechanisms.

### EGB214 Materials and Manufacturing

Pre-requisites	EGB121 or EGD121 or ENB110
Equivalent	ENB231, ENB331

s	
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces the fundamentals of engineering materials and their manufacturability, deformation of materials at the micro-scale and how mechanical properties of materials can be tailored by mechanical processing and heat treatments. This knowledge along with a range of complex manufacturing processes (casting, bulk deformation processes such as rolling, forging, extrusion) and sheet metal forming processes such as blanking, piercing, bending, drawing and deep drawing. This knowledge is important for graduate engineers in their engineering study. This unit develops appreciation to engineers around design and how to make a product out of materials using both primary and secondary production methods with minimum environmental impact and costs. They will improve their understanding about the interactions and interrelationship between processing, microstructure, properties and performance of various engineering materials in order to utilize new designs and fabrication.

### EGB220 Mechatronics Design 1

Pre-requisites	EGB111 or ENB150
Equivalent	ENB229

## Units

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Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Mechatronics Design 1 is a project unit with a hands-on introduction to mechatronics. You will be introduced to the basic concepts in mechatronics, focusing on the mechanics, electronics, and embedded software principles. The unit focuses on the research, design, and implementation of a mechatronic product to conform to a customer's needs. This is the first in a series of design units specifically for Mechatronics, building on your Introduction to Design unit in first year.

### EGB240 Electronic Design

Pre-requisites	(EGB120 or EGD120 or ENB120) and CAB202. CAB202 can be enrolled in the same study period as EGB240
Equivalent s	ENB245
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

An introduction to applied electronic circuit design. You will develop experience and confidence to draw upon theory, literature and CAD tools to synthesise electronic circuit designs to solve real world problems. You will complete two practical projects to design,

build, evaluate and document simple electronic circuits. EGB240 introduces you to the practical aspects of electronic circuit design that underpins the practice of electrical engineering. The unit provides an opportunity to apply and extend circuit and electronic theories developed in first year, and the theoretical knowledge gained in EGB120, EGB242 and CAB202 to real-world engineering problems. As the second of three design units, you will further develop your professional and project management skills through application to a practical project. This is a Work Integrated Learning (WIL) unit, which includes engagement from industry professionals to contextualise the project work you will be undertaking.

### EGB241 Electromagnetics and Machines

Pre-requisites	(EGB120 or EGD120 or ENB120 ) and (MZB126 or EGD126 or MAB127 or ENB246 )
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The unit covers static electric and magnetic fields and carries on to time varying fields used in transformers AC and DC machines. The generalised concepts of capacitance and inductance as well as the interaction of fields with materials are developed. It also covers electromagnetic induction, wave propagation,

transmission line theory and the basics of the DC machines as well as 3 phase power. It links to work previously developed in EGB120 Foundations in Electrical Engineering, and prepares students for more advanced studies in RF and Power Engineering.

### EGB242 Signal Analysis

Pre-requisites	(EGB120 or EGD120 or ENB120 ) and (MZB126 or EGD126 or MAB127 or ENB246 or equivalencies)
Equivalent s	ENB242
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

The concepts of signals and systems arise in a wide variety of fields, and play an important role in such diverse areas of science and technology. These include communications, modern control, astronautics, circuit design, acoustics, seismology, biomedical engineering, and speech processing. This unit provides foundations of signal and system analysis in the time and frequency domains in the context of electrical and electronic circuits, to enable the study of engineering techniques and applications employing Fourier series and transform, Linear time invariant systems, filtering, convolution, and Laplace transform. Engineering and Maths Lectures will provide the knowledge base required.



Tutorial sessions will involve problem-solving tasks to understand, integrate and apply mathematical concepts to signal analysis. Individual and group assignments consist of problem-solving tasks, requiring hand calculations and programming in Matlab. The final exam assesses the unit's major concepts.

### EGB243 Aircraft Systems and Flight

Pre-requisites	(EGB113 or EGD113 or PVB101) and (MZB126 or EGD126)
Equivalent s	ENB121
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is a foundational aerospace engineering unit addressing the aerodynamic principles of flight, aircraft systems and the airspace environment in which aircraft operate. The unit covers basic aerostatics, aerodynamics and equations of motion to gain a technical appreciation for how aircraft fly. Core aircraft systems including navigation, surveillance, guidance and control system are covered, linking their functionality and importance to air traffic management and air safety aspects of the airspace. These topics are delivered in conjunction with multiple problem solving tasks, providing you with both the technical knowledge and high level picture of how aircraft are

able to operate in the world today. This is second year engineering unit and the knowledge and problem solving skills developed in this unit are relevant to aerospace and electrical, electrical and mechatronics majors.

### EGB261 Unit Operations

Equivalent s	CVB221, EGB461
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit fosters a deeper understanding of the unit operations which are the main components in process flow diagrams. You will be introduced to, amongst other concepts, chemical reactor design, distillation theory, absorption processes, ion exchange and adsorption. Complimentary theory regarding mass and heat transfer operations will also be used to ultimately provide a comprehensive overview of chemical processes.

### EGB262 Process Principles

Equivalent s	CVB220
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit introduces students to the fundamental approach involved when taking a chemical reaction from the laboratory to full scale industrial implementation. Aspects such as health and safety considerations,

environmental issues, quality control, product design, process constraints, economics, mass & heat balance, chemistry and process engineering will be discussed. Examples of how professionals integrate this knowledge into practice will be provided and the design process for improvement illustrated. Students will gain an understanding of how to interact with a multi-disciplinary team to obtain satisfactory technical solutions to a wide range of problems. This introductory (second year) unit prepares you for more advanced study in process modelling.

### EGB270 Civil Engineering Materials

Anti-requisites	EGD270
Equivalent s	ENB273
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is a foundational civil engineering unit addressing core concepts, acquisition, manufacturing and testing of civil engineering materials such as concrete, steel, timber and soils and the factors that influence their quality, properties and application in real life construction and infrastructure projects. It introduces the common and advanced construction materials with respect to their demand in Australian and

global market context. The ability to select best building material, prepare mix design and provide evidence on the structural/architectural suitability and economy is a requirement for a range of graduate entry civil engineering positions. This is an introductory unit and the knowledge and skills developed in this unit are relevant to all structural and geotechnical majors. Basic and Advanced Concrete and Steel Design courses build on this unit by extending your materials and their applicability knowledge for basic and complex design needs and project requirements.

**EGB272 Traffic and Transport Engineering**

Pre-requisites	MZB126 or EGD126
Equivalent s	ENB376
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The transport system is an essential element of our physical infrastructure. This is a foundational transport engineering unit addressing the core concepts, requirements and practices of transport design. planning, operations, management and control. It builds fundamental understanding of the intent of individual elements of the transport system, including travellers, vehicles and transport infrastructure. The

skills developed in this introductory level unit are not just limited to Civil engineering discipline. Transport engineering problems (related to congestion, safety, environment and sustainability) are multidisciplinary that expands the boundaries of traditional civil engineering to psychology and emerging data science. The skills developed in the unit are fundamentals for the (civil) engineers undertaking typical traffic and transport engineering investigations, analyses and designs of transport systems.

**EGB273 Principles of Construction**

Equivalent s	ENB275
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is an intermediate level unit addressing the principles of construction, and its tools and techniques necessary for turning the infrastructure designs to the reality. It introduces the understanding of fundamental construction techniques so that the choices can be made between competing methods with due cognisance of the practicality, environmental effects, and safety. This unit is taught in the second year that builds upon prior units to further develop knowledge and skills on construction project capabilities. It develops the learning skills to manage

increasingly complex projects in later units.

**EGB274 Environmentally Sustainable Design**

Pre-requisites	EVB201 or EGB111 or UXB220 or UXB230 or ERB101 or EVB102
Equivalent s	ENB274
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The knowledge and skills associated with site investigation and planning for sustainable development are essential for civil and environmental engineers, as is the ability to work within multidisciplinary teams to achieve balanced solutions on social, economic and environmental grounds. This sustainable development design project requires you to undertake typical site investigations, analyses and designs for a selected site covering sustainability issues in the following areas: Sustainable Transport, Land Planning including assessment of the surrounding suburbs, Water and Wastewater Management and Environmental Impact Assessment. This unit extends and applies the knowledge developed in first year design based engineering units to important issues such as site analysis, site investigation, development of site planning criteria, site planning, environmental management

and quality, pollution prevention and control, and resource and waste management.

### EGB275 Structural Mechanics

Pre-requisites	EGB121 or EGD121 or ENB110
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Structural Mechanics is an essential knowledge to develop safe, economical and sustainable design of civil engineering structures. Structures are analysed in modern times using computer software; improper usage of these software can lead to disastrous consequences. A clear and in-depth understanding of the principles and methods of analysis of structures is vital for successful practicing in the civil engineering discipline. The aim of this unit is to introduce structural mechanics principles and their applications to enable you to analyse structures prior to their design. The topics taught include moment distribution, bending moment and shear force diagrams for structures using indeterminate analytical and computer methods, principle of virtual work for deflection calculations, transformation of stresses, Mohr's circle, torsion, shear flow, shear centre, unsymmetrical bending, the principle of compatibility and combined loading of structural members.

### EGB314 Strength of Materials

Pre-requisites	(EGB121 or EGD121 or ENB110) and (MZZ126 or EGD126 or equivalencies)
Equivalent s	ENB212
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

As a mechanical/medical engineer, you must have the expertise to analyse components and systems of components to produce safe and efficient designs. Strength of Materials is an intermediate level unit which investigates how external loading produces internal stresses and strains in a solid body, and the implications of these stresses and strains for components' strength, stiffness and robustness. Understanding this subject is an essential part of the design process that ensures the structural integrity of various structures, electromechanical devices and mechanisms. When used effectively and this process can result in lightweight, reliable and robust structures. This unit builds on the concepts from the introductory Engineering Mechanics unit.

### EGB315 Materials Degradation

Pre-requisites	EGB214 or PVB101
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2

**External**  
- XCH-1, XCH-2

This unit will provide an appreciation and understanding of the environmental degradation mechanisms of the primary engineering materials. The chemical and combined mechanical degradation of metals, ceramics and polymers will be studied across a wide range of examples. Practical illustrations and experimentation of materials degradation will be provided. Also an introduction to the importance and methods used to select materials for various applications will also be covered. The unit will cover topics such as corrosion and mechanical failure of metals, polymer degradation, and the combined effect of mechanical stresses and chemical change such as stress corrosion cracking, hydrogen embrittlement and fretting.

### EGB316 Design of Machine Elements

Pre-requisites	EGB314 and (EGB210 or ENB215) or Admission to EN55
Equivalent s	ENB316
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

You will learn advanced theories of mechanical design analysis, and will apply this in the design and analysis of a variety of machine elements. Methodical design process is



emphasized, as is the application of relevant design standards, and advanced simulation using the Finite Element Analysis package ANSYS. A key focus of the unit is the repeated application of a practice based design analysis workflow to real machine components. Weekly application of the design skills being developed, make you comfortable with both mechanical systems as a whole, and the determination, estimation, or selection of open ended quantities within the design process.

### EGB319 BioDesign

Pre-requisites	EGB210 or EGB220 or ENB215 or ENB229
Equivalent s	ENB319
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

EGB319 builds on EGB210 Fundamentals of Mechanical Design to develop your engineering design skills, with particular emphasis on the medical device product development process. The impacts of the regulatory environment on medical device design will be explored as well as the importance of quality management, risk management and usability engineering. Students will begin to understand the importance of intellectual property, reimbursement and business models on selecting appropriate concepts to

translate to the market. The unit features real world learning where students work in teams to come up with concepts and designs to address an unmet clinical need. Students are exposed to the various roles that medical engineers may assume in professional practice. With a sound knowledge of the medical device development process, later units such as EGH435 Modelling and Simulation for Medical Engineers will add quantitative design skills to aid in refining medical device designs.

### EGB320 Mechatronics Design 2

Pre-requisites	EGB220
Equivalent s	ENB329
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Mechatronics Design 2 is a project unit with a hands-on application to advanced mechatronics principles. You will focus on the mechanics, electronics, and embedded software principles behind mechatronics. In this unit, you extend your knowledge and skills from Mechatronics Design 1 to the research, design, and implementation of an advanced mechatronic product to meet a customer's needs. You will further extend your skills and knowledge in mechatronics design in Mechatronics Design 3.

### EGB321 Dynamics of Machines

Pre-requisites	EGB211 or ENB211
Equivalent s	ENB312
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Large proportion of engineering systems share common key machine components such as linkages, slide-cranks, gears, and cams. The motion and consequently the forces give rise to design problems. As a mechanical engineer you must be able to apply the theory of kinematics and kinetics to real machines for motion analysis and their safe operation. Developing the capability to formulate and solve the most critical problems of the key machine components is a requirement for you as a graduate engineer. This unit follows from the introductory Dynamics unit to enable you to synthesise (design) and analyse (validation) common machine components (linkages and slide-cranks), as well as the analysis of vibrations in mechanical systems. This intermediate unit will precede the Vibration and Control unit at an advanced level.

### EGB322 Thermodynamics

Pre-requisites	EGB323 or ENB221
Equivalent s	ENB222
Credit Points	12
Campus	Gardens Point, EXCHANGE and External

## Units

Availabilityes	<b>Gardens Point</b> - SEM-2
	<b>External</b> - XCH-1, XCH-2

This is an intermediate unit in engineering thermodynamics, focused on the application of thermodynamic laws and theory to practical engineering problems in the analysis or design of energy systems. This can vary from the analysis of a single thermodynamic process, such as the compression of a gas, to the complex analysis of power plant or refrigeration systems. This unit is designed to introduce the fundamental principles of thermodynamics, together with the use of state diagrams to describe thermodynamic systems. In this unit, you will also apply these principles and analysis methods to real world engineering problems involving air compressors, internal combustion engines, steam power plant and refrigeration systems. This unit relies on a prior understanding mathematics and mechanics studied in your first year or equivalent units. The material covered in this unit will form a base upon which subsequent engineering units in thermodynamics and fluid dynamics will be built.

### EGB323 Fluid Mechanics

Pre-requisites	EGB113 or EGD113 or PVB101 or ENB130
Equivalent s	ENB221
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilityes	<b>Gardens Point</b> - SEM-1 <b>External</b>

	- XCH-1, XCH-2
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This is a second year unit introducing the fundamental concepts of fluid mechanics applied by engineers to understand and characterise these systems with simple examples of the relevant principles. Engineers work with numerous kinds of systems where consideration must be given to the motion within, and interactions between, the system and its environment. The concepts of fluid mechanics, in the context of real engineering systems are studies and the basic principles and equations of fluid mechanics presented and discussed in the context of various engineering systems. The unit will provide you with the ability to apply and solve problems related to hydrostatics, explain and report how basic fluid mechanics is used in the design of hydraulic structures and fluid systems, apply the energy and momentum equations to hydraulic systems and machines, and have an introduction to computational fluid dynamic methodology to evaluate engineering problems and interpret and reflect on the results.

### EGB324 Fundamentals in Numerical Modelling for Engineering

Pre-requisites	MZB126 or EGD126
Anti-requisites	MXB324 or MXB326
Credit Points	12
Campus	Gardens Point
Availabilityes	<b>Gardens Point</b>

es	- SEM-2
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Provide the knowledge and skills to derive and implement numerical methods (Finite Differences, Finite Elements, Finite Volumes) to solve partial differential equations (PDEs) that govern many of the physical processes encountered in real world engineering problems. Become familiar with the methodologies for developing numerical algorithms that can be employed for problems that would otherwise be unsolvable, and with the skills to communicate the results. Numerically solve common equations encountered in practical engineering problems using MATLAB. Acquire fundamental and technical knowledge of numerical methods to solve partial differential equations. Core unit to the Computer Modelling for Engineering Minor and option unit to the Computational and Simulation Science second major.

### EGB336 Lean Manufacturing Management

Equivalent s	ENB336
Credit Points	12
Campus	External
Availabilityes	<b>External</b> - XCH-2

### EGB339 Introduction to Robotics

Equivalent s	ENB339
Credit Points	12
Campus	Gardens Point
Availabilityes	<b>Gardens Point</b>

## Units

es - SEM-2

This unit introduces you to the components, systems and mathematical foundations of robotics and computer vision. The unit introduces the technologies and methods used in the design and programming of modern intelligent robots, and encourages critical thinking about the use of robotic technologies in various applications. The unit emphasizes the practical application of robotic theory to the design and synthesis of robotic systems that respond accurately and repeatably.

### EGB340 Design and Practice

Pre-requisites	EGB240 or ENB245 or Admission to EN55
Equivalent s	ENB345
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is an advanced unit which aims to extend your design skills, professional skills and technical knowledge in the context of teamwork on a challenging project. Design communication skills will be developed through teamwork, regular presentation, written reports and studio-style critique. Professional skills developed include those in problem exploration, solution generation, problem scoping, teamwork, time management, flexible problem solving, critical thinking, information retrieval,

report writing and presentation. This unit plays an important role in developing many professional skills by approaching problems from a user centred design methodology. EGB340 is situated after the first and second year electrical design units, and prepares you for your final year honours project.

### EGB341 Energy Supply and Delivery

Pre-requisites	EGB241
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The unit (EGB341) covers the technical aspects of electric energy generation and delivery. The structure of energy conversion and delivery from power stations through transmission and distribution to customers will be addressed, including the concept of electricity markets. Models of transformers, transmission lines, synchronous and induction machines will be studied as key components of electricity network. This subject will lay the foundations for EGH441 Power System Modelling.

### EGB342 Telecommunications and Signal Processing

Pre-requisites	EGB242 or ENB242
Credit Points	12
Campus	Gardens Point, EXCHANGE and External

Availabiliti es  
**Gardens Point**  
- SEM-2  
**External**  
- XCH-1, XCH-2

This a foundational unit addressing core concepts, characteristics and performance requirements in analog and digital communication systems. It introduces basic building blocks of analog and digital modulation techniques for single and multi-user communications. Use time and frequency domain signal analysis, apply information theory to compress digital data, choose appropriate modulation techniques to transmit digital and analog signals and the ability to analyse the performance in noisy channels are important skills for electrical engineering graduates. This is an introductory unit and the knowledge and skills developed in this unit are relevant to communication and signals stream in the electrical engineering major. EGH443 Advanced Telecommunications, EGH444 Digital Systems and Image processing, and EGH442 RF Techniques and Applications units build on this unit by extending analytical understanding of basic building blocks for design and analysis of more complex signals and systems

### EGB345 Control and Dynamic Systems

Pre-requisites	EGB242 or (ENB120 and MAB126)
Anti-requisites	EGH421



## Units

Equivalent s	ENB301, ENB348
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Control systems engineering is at the heart of most of the modern electrical and mechanical systems that you will encounter in your careers as practicing engineers. The unit provides theoretical and practical understanding of control systems to enable you to better apply and design engineering technologies. The unit is an intermediate level unit to be undertaken once you have sufficient mathematical and analysis skills to understand the theory and to apply the theory in practice.

### EGB346 Unmanned Aircraft Systems

Pre-requisites	EGB243 and (MZB126 or EGD126)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces you to unmanned aircraft systems which builds upon your knowledge gained in aircraft systems and flight, and applies it to the field of unmanned aircraft systems. In this unit, you will apply principles of aircraft systems understanding in the context of unmanned aircraft systems, identify and analyse the context and

implications of unmanned systems in the airspace environment, and apply a risk based approach to the operation of unmanned aircraft systems. Completion of this unit equips you with the knowledge and skill to undertake advanced unmanned aircraft systems.

### EGB348 Electronics

Pre-requisites	EGB242 or ENB242
Equivalent s	ENB240
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Electronic devices and circuits are the building blocks of most electrical and computing devices. In this unit, you will identify the characteristics and operation of discrete and integrated circuit semiconductor devices, including diodes, transistors and op amps. You will learn how they are combined into circuits to perform useful operations on signals, such as amplification, filtering or switching. This unit also introduces digital electronics, including devices such as logic gates and flip-flops, and combinational logic, and digital circuit design. This unit is an Intermediate Electrical Option, which builds on basic the electrical circuit theory learned in EGB120. It forms the foundation for later units in Advanced Electronics and Power Electronics.

### EGB349 Systems Engineering and Design Project

Pre-requisites	EGB240 or EGB220 or EGB210
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Engineers who work on large projects need a specific suite of additional skills when compared to engineers who work on smaller projects. Systems Engineering provides the framework to allow the interoperability to be addressed. These skills include technical design and implementation, management of the project and teamwork coordination. Compliance to Australian and International standards is also an essential requirement of the designs. This unit provides skills and knowledge for a project teamwork activity, and builds on the work you learned in foundation of engineering design and electronic design. This unit will develop the necessary competency in dealing with aerospace systems. The objectives of the unit are to provide a grounding in systems engineering methodology according to the various standards in use throughout the world, to expose you to the experience and the problems of working as a member of a design team, and to have you undertake a group design exercise.

### EGB361 Minerals and Minerals Processing

Pre-requisites	CVB101
Equivalent s	ENB361
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Minerals processing is the science and engineering behind the transformation of ores to value-added products. This unit aims to provide you with the fundamental knowledge of different stages of a mineral processing plant and to apply this knowledge in the laboratory and through virtual simulations. The role of mineral processing is to optimise mineral recovery processes using the most economical pathways, while also meeting strict environmental standards. This unit provides you with opportunities to design, practice and provide evidence of your problem solving skills and overall knowledge of mineral processing.

### EGB362 Operations Management and Process Economics

Pre-requisites	EGB261 or EGB461 or EGB323
Equivalent s	ENB260, EGB260
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This an intermediate level unit for chemical process engineering, addressing concepts to allow an engineer

to understand the factors that affect the operations and profitability of a chemical process. The operations management subsection covers quality management, operational scheduling and an introduction to project management. The financial implications of decisions are covered in the process economics subsection through cost estimation, Discounted Cash Flow analysis and sensitivity analysis as measured against standard financial performance measurements. The knowledge and skills are core knowledge for chemical process engineering students and are useful to those studying other majors, particularly mechanical and medical engineering.

### EGB364 Process Modelling

Pre-requisites	(EGB461 or CVB221 or EGB261) and (EGB262 or CVB220)
Equivalent s	ENB460, EGH460
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit builds on the introductory concepts learned in EGB262 Process Principles, moving from simple steady-state mass and energy balances towards complex balances involving chemical thermodynamics and/or dynamic systems of interacting unit operations, i.e. an industrial process. The theory for the underlying numerical methods and chemical thermodynamics for

commercial process simulation software will be introduced. Process simulation software will be applied in context. The unit leads into EGH462 Process Control which focuses on dynamic behaviour.

### EGB371 Engineering Hydraulics

Pre-requisites	MZB126 or EGD126
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Engineering Hydraulics is a second year Civil unit, providing an understanding of hydraulic principles and their use in civil engineering applications. The importance of Hydraulics to civil engineers is that the fundamental knowledge gained in this unit is intimately related to the design, construction, operation and maintenance of bridges, dams, pumping stations, water and wastewater treatment plants, water distribution systems for water supply and sewerage systems are among many other features deemed important in modern day society. The unit focuses on the engineering applications of water and other liquids (fluids). Topics covered include practical applications of hydrostatics, pipe flow, energy loss in pipes and pipe systems and water distribution systems to communities for drinking water that includes pumps and storage reservoirs. New concepts introduced during

lectures are explained through examples and demonstrated with real-world problem solving tasks.

### EGB373 Geotechnical Engineering

Pre-requisites	(EGB121 or EGD121 or ENB110) and EGB123 and (EGB270 or EGD270)
Equivalent s	ENB272
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is a Geotechnical Engineering unit addressing the theoretical concepts required for geotechnical design such as retaining walls, soil slopes, earth dams, and shallow/deep foundations. It provides knowledge to estimate the stresses in soils due to geotechnical structures and the settlement /deformation of soil due to these external loads. This unit also provides hands on experience for students in laboratory soil testing to obtain the soil properties for design. You will learn about soil testing apparatus, testing procedures and testing standards required for determining soil properties for geotechnical engineering design. This unit requires the prior knowledge of Engineering mechanics (EGB121), Civil engineering systems (EGB123) and Civil Engineering Materials (EGB270). EGH473 (Advanced Geotechnical Engineering), EGH479 (Advances in Civil Engineering practice) and

projects (EGH400-1 and EGH400-2) in Geotechnical/structural engineering require the knowledge of this unit.

### EGB375 Design of Concrete Structures

Pre-requisites	(EGB121 or EGD121 or ENB110) and (EGB270 or EGD270 or ENB273)
Equivalent s	ENB276
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces the core concepts of the design principles and methods of the reinforced and pre-stressed concrete and its application to structural elements such as the beams, slabs, columns and footings of buildings and infrastructure. It develops the principles of safe and economical design of concrete structures that are essential to further advance your knowledge in this area prior to graduation and working in design offices or at construction sites. There are two compelling reasons for the students to develop an in-depth understanding of the principles of design of concrete structures; these are: (1) Safety in Design to prevent constructability related incidents at sites and (2) Sustainability through use of low-embodied energy binders and reinforcing bars.

### EGB376 Steel Design

Pre-requisites	(EGB275 or ENB270) and (EGB270 or EGD270 or ENB273) and (EGB121 or EGD121 or ENB110)
Equivalent s	ENB375
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is an intermediate civil engineering unit that will provide in-depth knowledge and understanding of the behaviour, analysis and limit states design of steel structural elements such as tension and compression members, beams and their connections. It will also provide you the necessary skills and experience in analysing and designing simple steel structures including continuous beams and trusses through group projects on real world examples. The ability to analyse and design buildings, bridges, cranes and transmission towers constructed in steel under various loadings is a requirement for a range of graduate civil engineering positions. This unit is the first one in the civil engineering course that provides the knowledge and skills required for this purpose. It forms the foundation for a number of advanced civil engineering units in later years of the course. EGB476-Advanced Steel Design builds on this unit by extending your knowledge and skills for more complex steel structures.



### EGB377 Water and Waste Water Engineering

Pre-requisites	EGB371
Equivalent s	ENB377
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Water and wastewater engineering is a third year elective Civil Engineering unit, providing the fundamental principles and application of (i) drinking water and (ii) wastewater treatment processes. The subject of water quality is also introduced to show how to link source water quality to treatment process selection. The wastewater component covers principles of wastewater treatment in order to enable wastewater to be disposed safely, without being a danger to public health or polluting receiving watercourses. New concepts introduced during lectures are explained through practical examples and further demonstrated with real-world complex practical problem solving tasks during tutorials. There are two site visits, one to a water treatment plant and to a wastewater treatment plant. These real-world experiences will help consolidate concepts, principles and methodologies learned in the classroom.

### EGB382 Construction Methodologies

Pre-requisites	EGB273
Equivalent s	ENB381
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Success in civil engineering construction projects is dependent on the selection of correct construction procedures matched with the correct equipment and ancillary temporary work. To do this, a construction engineer must have command of a range of options and the judgement to integrate these options for optimal outcomes for all stakeholders. This unit covers the fundamentals of project execution and start up of civil engineering projects. The subjects to be covered will include: site investigation, survey, identification and provision of temporary facilities, selection of equipment, material management, methods of construction, environmental protection practices, workplace health and safety requirements. The emphasis of the content will be on heavy, civil engineering projects existing or relevant to Queensland with a focus on environmental concerns and safety.

### EGB383 Environmental Resource Management

Equivalent	ENB383
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Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

This unit prepares you for the essential civil engineering work of investigating, designing and constructing solutions to manage urban wastes with detailed discussions of the technologies available to convert wastes to valuable resources. The unit primarily addresses the management of solid wastes generated from domestic, commercial, and industrial sources and stormwater generated in urban regions, which is polluted with ecologically hazardous and toxic substances. The technical content of this unit includes waste minimisation, promotion of efficient use of resources, promotion the use of waste through recycling and energy production, viewing waste as a resource, reducing the mass, volume and toxicity of waste, disposing of waste in a socially and environmentally acceptable manner; stormwater treatment and reuse and water sensitive urban design. Environmental resource management is an important aspect of civil and environmental engineering education and general engineering practices.

### EGB384 Bidding, Estimating and Cost Management

Pre-requisites	EGB273 or ENB275
Equivalent s	ENB382
Credit Points	12

## Units

Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

This is an advanced Civil Engineering unit that will:

1. Develop the theoretical and analytical knowledge and practical skills for the preparation of a “contractor's estimate” and tender submission for civil engineering projects, including the planning of construction activities, identification of appropriate equipment and structure of the estimate itself
2. Provide an understanding of the use of specifications and contracts while preparing estimates
3. Provide an understanding of the stages of capital works and the type of estimating process for each stage
4. Provide an introduction to the use of estimates in cost control systems and the type of cost estimation that is carried by contractors in the preparation of bids
5. Develop skills in teamwork and collaboration needed to produce a competitive tender

### EGB386 Design of Masonry Structures

Pre-requisites	EGB275
Equivalent s	ENB384
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit deals with the application of structural masonry to buildings with the core concepts of the design

principles and methods of assessing the structural performance of masonry walls subject to earthquake and gravity loading. Most masonry buildings have heritage value and require knowledge for preservation; masonry structures are also popular in medium rise residential and industrial buildings. Therefore, this unit introduces the principles of safe and economical design of masonry walls for fire and combined compression, flexure and shear. Unreinforced, partially reinforced and fully reinforced masonry structures are covered.

### EGB387 Project Value and Innovations

Pre-requisites	EGB382
Equivalent s	ENB472
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

In addition to design competence, Engineers require a sound understanding of construction and management principles and engineering economic analysis to fully meet the expectations of employers and the broader community. This unit addressing a complete financial and economic evaluation of project using several evaluation criteria commonly applied in the assessment of engineering project alternatives. This is a construction engineering

second major unit and the knowledge and skills developed in this unit will help engineers to think creatively and to understand the decisions required in a project planning and feasibility environments as well as understanding projects within the economic (value and price) environment. This advanced unit significantly integrates your prior knowledge and skills to effectively perform specific management tasks in typical civil engineering projects.

### EGB414 Advanced Materials

Pre-requisites	EGB214
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

With a rapidly growing and ageing world population, the need for novel materials with advanced properties to address critical issues from energy to environment and healthcare is increasing. You are introduced to the breadth of advanced materials research and their engineering applications. Selected structural and functional metallic, ceramic and polymer materials, their composites, and nanostructured materials are examined in more depth in the context of their processing, characterization, performance and applications in robust designs. Where appropriate, relevant engineering cases, research papers that outline the latest developments in

research, and laboratory experiments provide an in-depth understanding of the selected material or applications. The processes by which these scientific discoveries can be taken to the commercial world are also discussed.

### EGB415 Motor Racing Vehicle Design

Pre-requisites	EGB316 Or Admission to (EN50 or EN55)
Equivalent s	ENB315
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

After studying Fundamentals of Mechanical Design and Design of Machine Elements, in this unit you will study design of different systems of motor racing vehicles. This will accomplish systematic study of Mechanical Design and will enable you to carry out design of race vehicles and prepare them for a competition. Attention will be paid to styling and ergonomics as well as construction methods used in building race vehicles. The topics covered include: Concept development of a race vehicle, tyre selection, suspension geometry, components and alignment; brakes, race car handling, engine and engine tuning; drive train (gearing and differentials), frame and body, external and internal aerodynamics of a race vehicle, driver compartment (fitting and comfort), testing

and preparation for a competition; safety in motor racing (accident avoidance and driver protection).

### EGB422 Energy Management

Pre-requisites	EGB323 Or Admission to (EN50 or EN55)
Equivalent s	ENB422
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Global energy issues are having a profound effect on engineering practice in relation to energy utilisation. Energy management is generally regarded as an effective solution for immediate energy consumption reduction and to address global warming. It is also concerned with increasing productivity, improving standards of living and saving money. You will learn how to apply the principles of thermodynamics, heat transfer and electricity along with an introduction to financial analysis and managerial practice. This will enable them to conduct an audit of energy systems and develop a sustainable energy management plan. This unit also details energy auditing of commercial buildings, industrial energy systems and processes, and explore their energy-saving opportunities. It equips students with the skills and knowledge required to conduct energy audits, analyse data, and provide reports for their energy-related customers.

This unit also includes guest lectures from industry experts.

### EGB423 Heating, Ventilation and Air Conditioning

Pre-requisites	EGB323 Or Admission to (EN50 or EN55)
Equivalent s	ENB423
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit introduces the basic principles of HVAC and refrigeration systems in the context of buildings in sub-tropical environments. In buildings, health and comfort level of people are highly related to the indoor thermal environment. Many methods have been developed to alter our immediate environment to achieve 'comfortable' conditions, particularly within the built environment. Using the principles of thermodynamics and fluid mechanics, engineers have developed systems involving Heating, Ventilation and Air Conditioning (HVAC) that process ambient air to conditions deemed to be comfortable for most people. HVAC systems are designed to create a comfortable and safe environment and are one of the most important systems in the building services of modern buildings. Thus, this unit provides detailed analysis and implementation of the design practices required of a mechanical engineer working within the building services industry.



### EGB424 Advanced Computational Fluid Dynamics

Pre-requisites	(EGB324 or EGB323 or EGB371 or EGH423 or MXB324 or MXB326) or Admission to (EN50 or EN55)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Acquire fundamental and technical knowledge of computational fluid dynamics to solve practical mechanical and design optimisation engineering problems using commercial CFD package. Apply the skills and knowledge gained in the fluid mechanics, fluid dynamics, thermodynamics, and mathematics for engineering units to practical engineering flow problems. Develop the skills and knowledge required to perform accurate numerical simulations, critically discuss the results and assess fluid mechanics problems commonly encountered in mechanical engineering applications.

### EGB432 Asset Management and Maintenance

Pre-requisites	EGB316 or ENB316 or EGB319 or ENB319
Equivalent s	ENB432
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Engineers are often involved in

the acquisition, maintenance, and renewal of equipment. The ability to analyse maintenance data and develop effective maintenance plans remain important skills for today's engineers. The focus of this unit is on the development of techniques to manage the life cycles of engineering assets effectively to maximise their value. The unit will introduce students to the theory and techniques of Reliability Engineering, develop tools for the analysis of maintenance data, and address the development of optimised maintenance strategies.

### EGB434 Tribology

Pre-requisites	EGB323 Or Admission to (EN50 or EN55)
Equivalent s	ENB434
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Tribology is the study of friction, wear and lubrication. In this unit, the knowledge you acquire is applied to solve problems prevalent in engineering. Topics covered range from the theory of friction, lubricant properties and chemistry, to the control of friction and wear by proper selection of both materials and lubricants, pad bearings, journal bearings, hydrostatic lubrication, elastohydrodynamic lubrication, boundary lubrication, dry rubbing solids, and also new trends in tribology including nanotribology and biotribology.

### EGB435 Advanced Manufacturing

Pre-requisites	EGB214 Or Admission to (EN50 or EN55)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is built on the earlier unit Materials and Manufacturing (EGB214) with a particular focus to advanced manufacturing technique. The unit further develops student knowledge and skills around advanced manufacturing processes, in particular various machining techniques such as turning, milling, shaping, drilling and grinding and various other super finishing techniques. In addition the students will develop appreciation of the mechanics of metal cutting (orthogonal), tooling considerations and economics of tooling. In particular this unit introduces various non-traditional manufacturing processes such as ECM, EDM, Ultrasonic Machining etc. In a broad sense this unit will provide all necessary knowledge about manufacturing a product/assembly/machine including process capability and process sequencing.

### EGB439 Advanced Robotics

Pre-requisites	EGB339 or ENB339 Or Admission to (EN50 or EN55)
Equivalent s	ENB439
Credit Points	12
Campus	Gardens Point, EXCHANGE and External

## Units

Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2
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This unit develops skills in the theory and practice of mobile robotics. Theory includes the principles of motion models, motion control, motion planning, localisation, map making and simultaneous localisation and mapping (SLAM). Practice requires the translation of theory to working software which is evaluated using online tools. This unit builds on skills developed in EGB339.

### EGB473 Composite Structures

Pre-requisites	EGB476 or Admission to (EN55 or EN60)
Equivalent s	ENB473
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This advanced level civil engineering unit provides the required knowledge and skills for the analysis, design and construction of multi-storey steel-concrete composite buildings. Building on the structural, material, construction and professional studies units of previous semesters, it provides detailed knowledge, skills and experience in load evaluation, selection of suitable structural framing systems, modelling, analysis and design of multi-storey steel-concrete buildings and their components including composite slabs and beams by engaging in a 12-storey building project on a real site.

The ability to analyse and design multi-storey buildings is a requirement for selected graduate civil engineering positions. This unit provides the knowledge and skills required for this purpose. It will prepare you to pursue a career in structures and/or construction.

### EGB475 Advanced Structural Analysis

Pre-requisites	EGB275 or Admission to EN55
Equivalent s	ENB475
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is an advanced structural engineering unit in which topics that are regularly used by structural engineers as well as some topics that become useful for special cases will be covered. Using knowledge from previous years, you will develop and present the computer based stiffness method for analyzing structures in order to design them. Dynamics and vibration of structures will be introduced with applications to buildings. Structures collapse when loaded beyond their capacity. The predictable pattern of structural failure through the formation of plastic hinges (or failure points) will be treated. The application of dynamics and vibration to structural health monitoring and damage detection and to seismic engineering will be covered. The Australian Standard AS1170.4 for seismic analysis

will be used in the studies. On completion of this unit, students will be well prepared to face the challenges of a structural engineer.

### EGB476 Advanced Steel Design

Pre-requisites	EGB376 or Admission to EN55
Equivalent s	ENB373
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is an advanced level civil engineering unit that provides the required knowledge and skills for the analysis, design and construction of steel buildings. Building on the structural, material and construction units of previous semesters, it provides detailed knowledge, skills and experience in determining the wind effects on buildings, modelling, analysis and design of steel framed buildings and all their components by engaging in a single storey steel portal frame building project on a real site. The ability to analyse and design steel buildings is a requirement for a range of graduate civil engineering positions. This unit is the second one in the civil engineering course that provides the knowledge and skills required for this purpose. It will prepare you to pursue a career in structures and/or construction. EGB473- Composite Structures builds on this unit by extending your knowledge and skills for more complex, composite steel-concrete structures.

### EGB479 Advanced Transport Engineering

Pre-requisites	EGB272 or Admission to EN55
Equivalent s	ENB379
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The transport engineer must be familiar with the role of each transport mode in the overall transport task, along with operational aspects of each mode. This must be overarched by an understanding of the system and tools for planning, operation and management of transport projects, particularly in context of economic, environmental and social attributes. The aim of this unit is to develop your awareness and understanding of important concepts and analytical tools for operations, planning, designing, and management of transport systems including transit systems. This unit builds upon your transport related knowledge and skills developed in EGB123 Civil Engineering Systems and EGB272 Traffic and Transport Engineering, and provides a useful foundation to EGH479 Advances in Civil Engineering Practice.

### EGB481 Infrastructure Asset Management

Pre-requisites	EGB123 or Admission to (EN55 or EN60)
Equivalent	

s	
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The quality of civil infrastructure has significant impacts on the quality of life, the health of the social system, and the sustenance and growth of regional and national economy. This unit in infrastructure asset management is a response to the growing need for civil engineers to be proficient in infrastructure asset management topic that requires a broad and practical knowledge of infrastructure characteristics and fundamental management techniques. At the completion of this unit students will have sound understanding of the whole of life-cycle assessment of infrastructure assets, practical asset-management techniques, and some of the economic and governance related issues that pertains to infrastructure. These skills should enable students with better decision-making capabilities that can increase resilience and sustainability of infrastructure.

### EGB482 Contracting and Construction Regulations

Pre-requisites	EGB273 or admission to EN55
Equivalent s	ENB277
Credit Points	12
Campus	Gardens Point, EXCHANGE and External

Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2
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A construction engineer must have an appreciation of the commercial environment in which they work. The law and particularly the law relating to construction has a significant impact upon that commercial environment. This unit will provide a framework and sufficient detail to increase your awareness of how the law governs you and your organisation's actions within the industry. In addition, you will understand the operation of a construction contract and the claims and disputes commonly associated with the administration of such a contract. The lectures provide a solid foundation required for Construction Engineers, and embedded in the tutorials are discussions of real-world cases of the past month to highlight the importance of understanding the impacts of day-to-day decisions in the world of construction.

### EGB485 Finite Element Analysis

Pre-requisites	EGB475 or Admission to (EN50 or EN55 or EN60)
Equivalent s	ENB474
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Finite Element Analysis (FEA) is a computer based method for analysing structures under static or dynamics loadings. It has applications in all areas of



engineering and is used by practising engineers and researchers to analyse and design all types of structures including buildings, bridges, dams, multi-purpose towers, cooling towers, etc. FEA enables multiple and repeated analyses with ease and hence facilitates the optimum design of the structure. It is available through a number of well-known packages such as Strand 7, ANSYS, ABAQUS, LSDYNA, etc. It is now possible to treat complex problems such as dynamic seismic analysis, impact and blast analyses and structural health monitoring and damage detection, all of which were impossible prior to the advent of FEA. Students who complete this unit will be well prepared to face the challenges of modern design offices.

**EGB486 Bridge Engineering**

Pre-requisites	EGB375 and EGB376 and EGB475 or Admission to EN55
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

You will develop knowledge in bridge engineering integrating what you have learnt in your earlier years on structural analysis and design. You will develop your skills in pursuing a career as a bridge engineer. You will learn about various bridge types, then some detailed discussions on formulating the required

loading cases will be provided. This will be followed by influence line diagrams which will enable you to obtain maximum effects in bridges. Various bridge analysis methods will be introduced enabling you to obtain design forces for subsequent design. The importance of bridge articulation will be discussed. The introduction of cable supported bridges will be given so that you will consider this type of bridges as an option. It is expected that students will have an understanding of the highest levels of structural analysis and design consistent with undergraduate level study in civil engineering. Knowledge gained in the units EGB375, EGB376 and EGB 475 is a must for this unit.

**EGB489 Advanced Transport Modelling**

Pre-requisites	MZB126 or admission to EN55
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This is an advance transport engineering unit that develops theoretical insights with their practical applications of transport modelling and simulation. The unit covers various levels of modelling (micro and macro) techniques. The theory is supported by its real world practical modelling applications. It provides hands-on use of state-of-the-art modelling tools through an authentic assessment. Modelling of transport networks is an inevitable part of the

planning, design and operation of complex transport systems. For instance, strategic models are exploited for the planning of new transport infrastructure and traffic flow models are utilised for evaluating the efficiency and reliability of existing networks. A transport engineer should understand the suitability of various modelling and simulation techniques for particular tasks and assess their strength and weakness. The unit will acquaint students with essential transport strategic and operational modelling, and evaluation skills.

**EGD113 Energy in Engineering Systems**

Anti-requisites	EGB113, PVB101
Equivalent s	ENB130
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Engineers deal with systems that are made up of solids, liquids and gases that may work individually or in unison. All engineers need to understand the basic relationships amongst force, motion and energy, namely how energy is transformed and how it flows through such systems. This knowledge will help engineers analyse, synthesize and understand the working of various components and their characteristics that make up an engineering system. This unit covers such fundamental principles that engineers will use and apply in

their professions.

### EGD120 Foundations of Electrical Engineering

Pre-requisites	EGD113
Anti-requisites	EGB120
Equivalent s	ENB120
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

All engineers need to have a basic understanding of the relationship between electrical energy, electronic instrumentation and measurements. Understanding techniques for circuit analysis, instruments for measurement and practical applications in an engineering context are the objectives of this unit. This unit lays the foundation for advanced units in electronics, signals and systems, and power systems in later years.

### EGD121 Engineering Mechanics

Anti-requisites	EGB121
Equivalent s	ENB101
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

This is a foundation engineering unit that will develop the necessary skills in analysing mechanical and civil engineering systems (cranes, buildings, bridges and mechanical equipment) to maintain equilibrium leading to the determination of direct,

bending and shear stresses that will aid you in design. The principles of engineering mechanics are essential for the purpose of accurate design and analysis of mechanical components and structures. This is an introductory unit and provides the basic knowledge and skills in statics and mechanics of materials including mechanical properties of rigid bodies. It forms the foundation for advanced engineering units such as Stress Analysis, Structural Analysis and Mechanical Design by developing your basic knowledge and skills that are important to your engineering degree and career.

### EGD125 Introductory Engineering Mathematics

Anti-requisites	MZB125, MAN120
Equivalent s	MAB100, MAB120, MAB125, MAB180, MXB100
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

A sound understanding of the language and techniques of mathematics is essential for any quantitative discipline, and so this unit provides an introduction to fundamental mathematical concepts especially applicable to engineering. This unit addresses the need of some students for additional preparation in their transition from high school to university, particularly those who have not studied an advanced level of

mathematics.

### EGD126 Engineering Computation

Anti-requisites	MZB126
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Applied problem solving is a key skill in all disciplines of engineering. This unit provides you with a structured model for problem solving early in your course experience, emphasising critical thinking, analysis, interpretation and exposition, in applications across multiple disciplines in engineering. Fundamental elementary skill development in computational tools further supports the student's capacity to interpret, describe and understand mathematical and statistical concepts and the contexts in which they apply.

### EGD270 Civil Engineering Materials

Anti-requisites	EGB270
Equivalent s	ENB273
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

This is a foundational civil engineering unit addressing the core concepts, acquisition, manufacturing and testing of civil engineering materials such as concrete, steel and soils and the factors that influence their quality, properties and application in real life

construction and infrastructure projects. It introduces the common and advanced construction materials with respect to their demand in Australian and global market context. The ability to select best building material, prepare mix design and provide evidence on the structural/architectural suitability and economy is a requirement for a range of graduate entry civil engineering positions. This is an introductory unit and the knowledge and skills developed in this unit are relevant to all structural and geotechnical majors. Basic and Advanced Concrete and Steel Design courses build on this unit by extending your materials and their applicability knowledge for basic and complex design needs and project requirements.

### EGH400 Research Project 1

Pre-requisites	(EGH403 or EGH404) and Completion of 288cp in an Engineering course. EGH404 can be studied in the same teaching period as EGH400-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Research Project 1 and 2 are the capstone research-informed units for the Bachelor of Engineering (Honours) degree. They draw together the theory and practice of your major engineering studies, covered in the previous six semesters of the program. You are required to identify an Engineering challenge and

apply your learning to carry out a comprehensive, independent project to address the challenge using a rigorous research framework. The purpose of these units is to prepare you for your transition to the professional world or to further research studies.

### EGH400 Research Project 2

Pre-requisites	EGH400-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is the second part of the capstone research informed units for the Bachelor of Engineering (Honours) degree. It is only taken once you have completed EGH400-1 (Research Project 1) and is related to the same student project. The project involves the application of skills and knowledge attained during the earlier years of your degree program to complete a project with a research framework. The unit also gives you the opportunity to demonstrate that you have completed the required work placement for accreditation with Engineers Australia. The purpose of this unit is to prepare you for your transition to the professional world or to further research studies.

### EGH404 Research in Engineering Practice

Pre-requisites	192 Credit Points of completed study or Admission to EN60
Equivalent s	EGH403

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This is a core engineering unit that introduces you to methods, principles and processes that are fundamental to performing effective research, and relates them to professional engineering practice. This encompasses a variety of areas including critically analysing and reporting information and findings, presenting and pitching research ideas, and the analysis and visualisation of data. As engineers, you will be entering a highly dynamic and changing workforce where you will be required to adapt and respond to changing demands. This unit builds on your understanding of fundamental concepts and language in your engineering discipline and directly prepares you for your final year engineering project, as well as research-based professional engineering practice.

### EGH408 Research Project

Pre-requisites	288 Credit Points
Other requisites	Subject Area Coordinator approval is required to enrol. Students must have completed 288 credit points in EN01 prior to seeking approval.
Assumed Knowledge	null
Credit Points	24
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b>



## Units

es	- SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2
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This is an accelerated project unit allowing for EN01 students to complete their 24 credit points of final year capstone project in one semester. You are required to identify a research related issue or problem and apply your learning to carry out a comprehensive, independent research informed project designed to extend and broaden your understanding of the chosen topic. The unit also gives you the opportunity to demonstrate that you have completed the required work placement for accreditation with Engineers Australia. The purpose of this unit is to prepare you for your transition to the professional world or to further research studies.

### EGH411 Industrial Chemistry

Pre-requisites	EGB361
Equivalent s	CVB211, PQB623
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

It is essential that chemists and process engineers involved in industrial chemical production translate fundamental knowledge of chemistry and process engineering into practical outcomes. In this unit you will focus on green chemistry, industrial biotechnology and catalysis which underpins 90 % of all chemicals made today. You are introduced to catalyst

fundamentals and their application to industry for bulk chemicals, production of polymers and plastics, zeolites for green chemistry and bio-catalysts such as enzymes. You will also be guided through the development of professional skills which includes creation of a MindMap, completion of a Dynamic SWOT analysis, and presentation of business ideas in a poster. This unit primarily builds upon fundamentals learned in Process Principles and Unit Operations courses.

### EGH413 Advanced Dynamics

Pre-requisites	EGB321 or Admission to (EN50 or EN55)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The analysis, design, and control of many practical engineering systems require analysis of rigid bodies in three dimensions, e.g. gyroscopes, amusement park rides, space vehicles, and robots. The aim of this unit is to develop skills and techniques to analyse the behaviour of mechanical systems in three dimensions using both Newton-Euler and Lagrangian approaches. This capstone unit builds upon the concepts of 2D kinematics and kinetics from earlier units (EGB211, EGB321) and introduces Lagrangian methods, which are powerful tools in developing equations of motion for complex engineering systems.

### EGH414 Stress Analysis

Pre-requisites	(EGB314 or ENB212) or Admission to (EN55 or EN60)
Equivalent s	ENB311
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Mechanical/Medical engineers need to analyse components and systems to produce safe effective designs, innovate new products and improve existing devices. To do this, an understanding of how engineering components respond to loads to produce stress and strain, and the nature of the stresses and strains is required. Modern engineers also use computational methods to analyse, design and optimize more complex components and systems. Successful stress analysis results in light, reliable and robust structures with significant implication for cost saving and durability. This advanced, honours level unit builds on the concepts introduced in the introductory and intermediate Engineering Mechanics units, and aims to extend your knowledge on basic mechanics of materials to more advanced stress analysis methods.

### EGH418 Biomechanics

Pre-requisites	EGB211 or ENB211
Equivalent s	ENB318

## Units

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Biomedical engineers require the ability to analyse the mechanics of the human body for a large variety of applications. The first type of problems deal with prosthetic design, design of assistive devices for people with disabilities, sporting performance, and ergonomic tasks which can be addressed within the context of rigid-body dynamics. The second type of applications is related to characterisation of tissue mechanical properties to bone fracture fixation, development of cartilage and ligament replacement materials and dynamic adaptation of living tissues. In this advanced unit, the concepts of dynamics and continuum mechanics are further developed in the context of biomechanical systems and human movement. Skills for the measurement of human movement and lab-based testing of biological tissues are developed.

### EGH419 Mechatronics Design 3

Pre-requisites	EGB320
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Mechatronics Design 3 is an advanced project unit with a hands-on application to

interdisciplinary mechatronics principles. You will focus on the mechanics, electronics and embedded software principles of mechatronics as an interdisciplinary team with individual strengths ranging across these areas. The unit focuses on the research, design, and implementation of an advanced mechatronic product to conform to a customer's needs. This unit extends your knowledge and skills from Mechatronics Design 2 and prepares you for your capstone project.

### EGH420 Mechanical Systems Design

Pre-requisites	(EGB316 or ENB316) or ((Admission to EN55) and (ENN516))
Equivalent s	ENB317
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is an advanced unit that builds on previous introductory and intermediate design units which forms the backbone of the mechanical engineering major. Design knowledge and skills are brought together and expanded upon to facilitate the design and analysis of systems of increasing complexity and interdependence which also makes them of greater practical value to society. You also will be given the opportunity to consider the broader role mechanical engineers often play in relation to human interaction, quality,

safety, ethics and sustainability in design. This unit will synthesise your knowledge and skills for your final year project.

### EGH421 Vibration and Control

Pre-requisites	(EGB321 or ENB312) or Admission to (EN55 or EN60)
Anti-requisites	EGH462
Equivalent s	ENB313
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The ability to analyse and control the dynamic behaviour of machinery and processes is core competency for mechanical engineers. The focus of this unit is the introduction of the theory and techniques that underpin dynamic systems analysis and control system engineering, including: transfer function representations, stability, steady-state behaviour, and frequency response. These techniques form the basis for the root-locus and proportional-integral-derivative (PID) controller design techniques introduced later in the unit. Together, these concepts and analysis tools provide a solid foundation to develop real-world controllers to achieve the desired transient and steady-state behaviour. This is a capstone unit that builds on the earlier dynamics units (EGB321 Dynamics of Machines, EGB211 Dynamics).

### EGH422 Advanced Thermodynamics

Pre-requisites	(EGB322 or ENB222) or Admission to (EN50, EN55 or EN60)
Equivalent s	ENB421
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is an energy-focused advanced engineering unit addressing core fundamentals and applications of heat and mass transfer. It introduces and discusses the key concepts of heat conduction, convection, radiation and mass diffusion while implementing conceptual and mathematical design exercises under each key concept. Such an understanding is crucial for engineers and scientists to evaluate and improve the heat transfer efficiency of various natural and man-made processes as well as machinery. At the same time, this knowledge is useful to design optimal heat/mass insulations and efficient heat/mass exchangers. In other words, for a professional who is going to be working on a role related to energy and/or heat transfer, this unit is an important source of knowledge and guidance. This is an advanced engineering unit which aims to strengthen and broaden your analytical and practical skills through realising how energy and matter propagates via conceptual and mathematical lenses.

### EGH423 Fluids Dynamics

Pre-requisites	(EGB322 or ENB222) or Admission to (EN55 or EN60)
Equivalent s	ENB321
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is an advanced level unit in fluid dynamics, which builds on your understanding of fluid mechanics, thermodynamics and mathematics by studying viscous, transient and compressible fluid flows, together with the analysis and design of fluid machines including pumps and turbines. Analysis methods involve the application of dimensional analysis to experimental results, theoretical and analytical studies based on idealized versions of real engineering systems, and numerical studies based on the application of computational fluid dynamics (CFD). This unit relies on a prior understanding of dynamics, fluid mechanics and thermodynamics studied in introductory and intermediate units.

### EGH424 Biofluids

Pre-requisites	EGB323 or ENB221
Equivalent s	ENB322
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b>

- XCH-1, XCH-2

This unit focuses on the fundamental principles of fluid dynamics that are used to explain the mechanisms of biological flows and their interrelationships with physiological processes, in health and in disease/disorder. The properties of biofluids, such as blood and synovial fluid, and techniques to analyse their viscous behaviour are discussed. It introduces the basic concepts and theories of biological fluid dynamics and explains the simple numerical methods in solving the flow of biofluids. This leads to an understanding of how biofluids interact with medical devices and of criteria for the design of devices. This unit is designed to help medical engineers to examine the particular properties of the fluids that might be encountered and to introduce techniques to analyse their behaviour.

### EGH435 Modelling and Simulation for Medical Engineers

Pre-requisites	EGH414
Equivalent s	ENB335
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This advanced unit develops your knowledge and skills in analysing biomechanical components and systems in the course of medical device development. The unit focuses



on modelling and simulation techniques using industry standard software. It applies content introduced in EGH418 Biomechanics, builds upon the finite element capabilities introduced in EGH414 Stress Analysis and adds quantitative analysis tools to the medical device design process commenced in EGB319 BioDesign. Traditional analytical and experimental techniques can often not be applied to investigate the mechanics of devices in biological systems. Biomechanical systems exhibit substantial non-linearity due to complex geometries, materials and interactions. Medical engineers are required to use modelling and simulation techniques in the design of biomechanical components and/or systems. This unit introduces the principles of modelling and simulation techniques and their applications in Biomedical Engineering.

### EGH438 Biomaterials

Pre-requisites	EGB314
Equivalent s	ENB338
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Topics covered in this unit include: an understanding of the relationships between the properties, failure mechanisms, processing and microstructures of various materials used for medical applications and their

interaction with human tissues; an understanding of the fundamentals of the use of materials in a medical environment and an understanding of the fundamentals of materials properties and processing; consideration of metallic, ceramic, polymeric implant materials; composites as biomaterials; structure-property relationships of biomaterials; tissue response to implants; soft tissue replacements; hard tissue replacements; and regulatory aspects of biomaterials.

### EGH441 Power System Modelling

Pre-requisites	EGB341 or Admission to (EN50, EN55 or EN60)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The unit covers the technical aspects related to power system modelling. Electric Energy systems consist of various components such as generators, transmission lines, transformers and loads. Power system modelling helps to simulate these components appropriately for reliable operations and planning of the electricity grid. This unit includes discussion about industry practices in load flow, fault calculations, protection and stability.

### EGH442 RF Techniques and Applications

Pre-requisites	EGB342 or ENB342 or ENB346
Equivalent s	ENB440
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit develops skills and knowledge on radio-frequency (RF) devices, components and systems used in wireless communications. The unit focuses on microwave network theory, impedance matching and high-frequency effects for the design of RF circuits and systems, including antennas and antenna arrays. The unit also develops knowledge of antenna measurement procedures, RF system noise figure calculations and measurement, optic fibres and electromagnetic compatibility (EMC). It links to work previously undertaken in EGB241 Electromagnetics and Machines and EGB342 Telecoms and Signal Processing.

### EGH443 Advanced Telecommunications

Pre-requisites	(EGB342 or ENB342 or ENB346) or Admission to (EN50, EN55 or EN60)
Equivalent s	ENB446
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

With the increasing importance of telecommunications systems and services in people's lives, a unit covering the fundamentals and applications of advanced communication systems is indispensable in the Electrical Engineering Curriculum. Therefore, this unit provides an understanding of the evolution of mobile communications systems from 1st generation to 5th generation, efficient cellular planning, wireless channel characteristics and modelling, transmitter and receiver diversity, multi-carrier systems, error control coding and decoding, and optical fiber communications. Emphasis is placed on fundamental principles of advanced communication methods so that on graduation, you will be able to interpret existing and emerging communication technologies. This is an advanced unit and therefore the prior knowledge on the basic signal analysis (EGB242), and telecommunications and signal processing (EGB342) is required.

### EGH444 Digital Signals and Image Processing

Pre-requisites	(EGB342 or ENB342 or ENB346) or Admission to (EN50, EN55 or EN60)
Equivalent s	ENB448
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The unit covers the area of digital signal and image processing with detailed study of Statistics of multiple random variables, detection of signals by feature extraction using Fourier, wavelet, discrete cosine transform features, Z-Transform and filter design. The unit also covers digital image processing including image representation and acquisition, Image spatial and frequency domain techniques, Image enhancement and filtering.

### EGH445 Modern Control

Pre-requisites	(EGB345 or ENB301 or ENB348) or Admission to (EN50, EN55 or EN60)
Equivalent s	ENB458, ENB347
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit develops fundamental concepts and methods used for modelling, analysis and control design of complex engineering systems. The unit introduces a general class of models for complex systems known as state-space. This class of models allows the development of control techniques and designs that shape and modify the behavior of the system. In particular, the classical state and output-feedback regulators, integral action, observer design, and optimal control are studied and used to solve stabilisation problems. The control design problem is discussed in both continuous-

time and discrete-time domains, allowing for the study of both ideal and real systems. The implementation of digital controllers is included, building knowledge in the practical application of control designs into real systems. Thus, this unit provides a set of modern tools for control design of engineering systems currently used in real-life applications.

### EGH446 Autonomous Systems

Pre-requisites	EGB345 and (EGB340 or EGB349 or CAB301 or CAB302 or EGB320) or Admission to (EN50, EN55 or EN60)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This advanced unit will present the principles operation of modern sensors necessary for robust navigation. This unit provides the required knowledge to develop state of the art navigation approaches in complex environments. Navigation is a fundamental building block for all aspects of autonomous systems. This unit draws upon previous studies in mathematics and control systems that underpin navigation system.

### EGH448 Power Electronics

Pre-requisites	(EGB348 or ENB240) or Admission to (EN50, EN55 or EN60)
Equivalent s	ENB455
Credit Points	12
Campus	Gardens Point,

## Units

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is a higher level unit that aims to introduce the principles of operation of basic power electronic circuits and systems used in industrial applications. This unit enables the learner to understand, interpret and compare the characteristics of power devices such as power diodes, thyristors, BJT, MOSFET, IGBT etc.; analyse common types of diode and thyristor converters, inverters, and DC-DC converters; use simulation tools to model and analyse simple power electronic circuits; perform experiments on power electronic hardware circuits; obtain measurements. Power processing can be considered as one of the major applications of electronics in industrial applications. A broad understanding of industrial electronic circuits and systems will provide the foundation not only to design advanced power processing circuits for complex systems but also to operate and maintain them properly. Such knowledge is essential for a graduate electrical engineer who intends to work in the industry.

### EGH449 Advanced Electronics

Pre-requisites	((EGB348 or ENB240) and CAB202) or Admission to (EN50, EN55 or EN60)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b>

This information is correct as at 30/11/2020. For the most up-to-date course information, visit <https://www.student.qut.edu.au/enrolment/units/>. CRICOS No.00213J

- XCH-1, XCH-2

This Advanced Electrical Option builds on the electronic and computing building blocks and concepts covered in Electronics (EGB348) and Microprocessors and Digital Systems (CAB202). This unit explores the extension and application of general electronic circuits to specific topic areas where special consideration and approaches are required. These topic areas include precision electronics, low noise electronics, the interface of analogue and digital electronics, digital systems, and Field Programmable Gate Arrays. The advanced unit EGH448 Power Electronics is complimentary to this unit's content.

### EGH450 Advanced Unmanned Aircraft Systems

Pre-requisites	(EGB243 and EGB346) or Admission to (EN55 or EN60)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit further develops your knowledge, skills and application of aerospace concepts, building on aircraft systems and flight and unmanned aircraft systems. The unit focuses on experimental design, integration and test of an Unmanned Aerial System. You will also gain skills in setting design specifications

and carrying out detailed design analysis to design, build and flight test a UAV.

### EGH454 Power Systems Management with Renewable & Storage Resources

Pre-requisites	EGB341 Or Admission to (EN50 or EN55)
Anti-requisites	ENB454
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1

The aim of this unit is to develop skills in the operational management of a modern power system incorporating conventional as well as renewables and storage. This unit will therefore introduce the student to the application of conventional sources as well as renewable and storage resources, their operational benefits and difficulties. There are many operational decisions that need to be made in the context of imperfect information that will affect the overall performance of the network. This unit will provide a degree of structure to the decision processes and introduce tools and techniques used during the process. These tools cover the areas of risk analysis, reliability, economic based panning and power quality extending into the operational areas of utilization of equipment. The outcome is to achieve a balance between capital investment, reliability and the operational aspects of the network.



- XCH-1, XCH-2

### EGH455 Advanced Systems Design

Pre-requisites	CAB403
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This advanced unit further develops your investigation, analysis, synthesis and problem solving skills when solving complex engineering tasks. The unit focuses on experimental design using a systems engineering approach to work on an engineering concept, starting from a basic need and opportunity description. You work in teams to identify customers, formulate a basic business case, establish a basic concept of operations, develop the system requirements, generate concepts, conduct trade studies, determine the most promising design, and pursue a design and testing and verification of the system. The unit replicates industry or government systems engineering practices as closely as possible.

### EGH456 Embedded Systems

Pre-requisites	CAB403 or Admission to (EN50, EN55 or EN60)
Equivalent s	ENB350
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b>

This advanced unit gives you practical experience with advanced software development for embedded systems. It leads on from fundamental computer architecture and C programming covered in first and second year units. It covers programming with C and assembly, input/output programming, concurrent software, shared memory, scheduling and real-time aspects. It involves practical laboratory exercises and a group project implementation of a device driver. Embedded systems builds on the knowledge and skill you acquired in systems programming.

### EGH462 Process Control

Pre-requisites	EGB364 or EGB321
Anti-requisites	EGH421
Equivalent s	ENB461
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Modern plants are composed of numerous processes that have strict performance requirements to consistently meet product quality demands. To meet these demands, engineers need to ensure properly designed process control systems that maintain suitable operation in the presence of changing set points and fluctuations in process conditions. In this advanced level unit, you will

learn the concepts and techniques that underpin control systems engineering and are key to modelling, understanding, and designing practical control systems in process engineering.

### EGH463 Plant and Process Design

Pre-requisites	(EGB322 or ENB222) and (EGB323 or ENB221)
Equivalent s	ENB433, EGH360
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This is an advanced level chemical process engineering unit. Significant numbers of graduates are employed in local process industries such as in sugar processing, chemical and petroleum refineries and power generation plants. Graduates therefore need to have a thorough understanding of the approach to plant and process design. This unit has a strong emphasis in the areas of process design which includes building on prior learning in thermodynamics, fluid mechanics and heat transfer. It facilitates complex thinking and draws together chemical process discipline knowledge and skills.

### EGH471 Advanced Water Engineering

Pre-requisites	EGB371 or ENB280 or ENB378 or Admission to (EN55 or EN60)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External

## Units

Availabilities	<b>Gardens Point</b>
	- SEM-2
	<b>External</b>
	- XCH-1, XCH-2

This advanced unit covers the fundamental topics of Australian hydrology and hydraulics. It builds on previous study in engineering hydraulics in EGH371. This unit introduces the hydrologic cycle and its applications in runoff estimations from small catchments, probability and risk of flooding, selection and estimation of design floods, hydrologic data analysis, flood estimations using the Rational Method and advanced computer modelling of catchments. Ability to accurately assess catchments for their hydrologic and hydraulic characteristics is a fundamental attribute of water engineers and designing and managing urban infrastructure. The unit also introduces design techniques of important infrastructure elements so that students get a good grasp of the design codes and specifications. This unit is one of Civil Engineering's work integrated learning (WIL) units, which includes a professional learning task designed with the support of industry professionals.

### EGH472 Advanced Highway and Pavement Engineering

Pre-requisites	EGB272 or ENB376 or Admission to (EN55 or EN60)
Equivalent s	ENB372
Credit Points	12
Campus	Gardens Point, EXCHANGE and External

Availabilities	<b>Gardens Point</b>
	- SEM-2
	<b>External</b>
	- XCH-1, XCH-2

This is an advanced civil engineering unit that will develop your theoretical knowledge of highway and pavement engineering science and engineering analysis, and design. It will develop applied skills in investigation, analysis, synthesis and problem solving, written and visual literacy for communication and reporting. It stresses both independent and collaborative strategies for managing and completing tasks on time. It contextualises this civil engineering activity across social, economic, and environmental lenses, and emphasises application of standards and codes of practice in the civil engineering discipline. This is an advanced unit and therefore the prior knowledge on Traffic and Transport (EGB272) and on basic geotechnical engineering concepts (EGB373). Capstone projects (EGH400-1 and EGH400-2) in Transport/Pavement engineering require the knowledge of this unit.

### EGH473 Advanced Geotechnical Engineering

Pre-requisites	EGB373 or ENB272 or ENB371 or Admission to EN55
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is an advanced

Geotechnical Engineering unit addressing the core design requirements for retaining walls, soil slopes and earth dams, shallow and deep foundations, and basic concepts of rock mechanics. It provides the ability to accurately understand laboratory and field geotechnical testing reports to extract the required design parameters, to consider complex ground conditions and challenging loads such as earthquake loads, and to use appropriate design codes and guidelines in the design of geotechnical structures. Further, it provides the knowledge and skills on using software that are widely used in geotechnical engineering practice. This is an advanced unit and therefore the prior knowledge on basic geotechnical engineering concepts (EGB373), on engineering mechanics (EGB121) is required. EGH479: advances in Civil Engineering practice and projects (EGH400-1 and EGH400-2) in Geotechnical/structural engineering require the knowledge of this unit.

### EGH475 Advanced Concrete Structures

Pre-requisites	EGB375 or ENB276 or Admission to EN55
Equivalent s	ENB471
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is the final design unit of the civil engineering first major and will apply and refine advanced knowledge, concepts, methodologies and systematic thinking to prepare the student for professional practice. It will develop advanced cognitive skills in review, analysis and synthesis in civil infrastructure planning and design contexts, including critical, creative and innovative solutions to complex problems. It stresses the ability to communicate advanced knowledge and concepts in written, modelled and graphical forms to civil engineering professional audiences. It also stresses both independent and collaborative strategies in team working contexts, including reflective practice, to manage a civil infrastructure planning and design project in a timely manner with a focus on delivering outcomes. Emphasis is placed on awareness and understanding of social and economic factors in civil engineering practice, and on ethical practice.

**EGH479 Advances in Civil Engineering Practice**

Pre-requisites	(EGB375 or ENB276 ) and (EGH472 or ENB372) or admission to EN55
Equivalent s	ENB476
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabili ties	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is the final design unit of the civil engineering first major

and will apply and refine advanced knowledge, concepts, methodologies and systematic thinking to prepare the student for professional practice. It will develop advanced cognitive skills in review, analysis and synthesis in civil infrastructure planning and design contexts, including critical, creative and innovative solutions to complex problems. It stresses the ability to communicate advanced knowledge and concepts in written, modelled and graphical forms to civil engineering professional audiences. It also stresses both independent and collaborative strategies in team working contexts, including reflective practice, to manage a civil infrastructure planning and design project in a timely manner with a focus on delivering outcomes. Emphasis is placed on awareness and understanding of social and economic factors in civil engineering practice, and on ethical practice.

**ENN510 Engineering Knowledge Management**

Credit Points	12
Campus	Gardens Point
Availabili ties	<b>Gardens Point</b> - SEM-1

This unit introduces Knowledge management as an innovative process that needs to be closely aligned to organization goals. The development of knowledge management systems requires a sound understanding of the various building blocks of knowledge management. The unit introduces critical building

blocks such as; knowledge identification, knowledge development, knowledge preservation, knowledge representation and knowledge distribution and sharing. All engineering managers must have the fundamental skills and knowledge to understand, design and develop and manage knowledge management systems in an organization. This unit provides the basic knowledge and skills to understand the complex issues of knowledge management that are essential to the career advancement of engineering managers. In addition the unit also introduces organizational culture and organizational behavioral changes that are needed to transform a traditional organization to a knowledge oriented enterprise.

**ENN515 Total Quality Management**

Credit Points	12
Campus	Gardens Point
Availabili ties	<b>Gardens Point</b> - SEM-1

To grow in the highly competitive global marketplace, organizations must maximize customer value and product quality. Total Quality Management (TQM) advocates the enterprise make optimum use of resources, technology, equipment, and the skills and knowledge of employees, suppliers and customers. Total Quality Management unit provides students with an understanding of the underlying philosophy, theory and practice of modern



day quality management process. Quality Management has evolved beyond its roots in statistics and the quality control functions. Many consider TQM to be a framework for "excellent" management. The main themes of TQM are: a data-based approach to problem solving; an emphasis on organisational and behavioural considerations; a customer-oriented market-sensitive approach to designing and delivering both products and services; and finally, a desire and system approach for continual improvement. TQM practice is a pathway to the achievement of world class competitiveness.

### ENN523 Advanced Network Engineering

Pre-requisites	IFN507 or IFQ507 or Admission to EN50 or EN55
Anti-requisites	INB352, INN352
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This is an advanced-level networks unit highlighting the systems approach and top-down method for service-oriented planning and design of large-scale computer networks. It introduces the theory and methodology to assemble various network technologies in a cohesive fashion for network planning and design to address the connectivity, scalability, reliability, security, quality-of-service, cloud data centres, and other recent developments of networks. Computer networks have become an

integrated part of the fundamental infrastructure in modern industries and societies. Building new networks or upgrading existing networks requires a deep understanding of the concepts and principles of advanced network engineering. This advanced network engineering unit helps develop such a deep understanding. The knowledge and skills developed from this unit are relevant to networks, information security and other related majors.

### ENN524 Mobile Network Engineering

Pre-requisites	IFN507 or IFQ507 or Admission to EN50 or EN55
Anti-requisites	INN353
Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

Wireless communications, mobile networks and navigation have been widely deployed and integrated into various mobile platforms for value-added services. This unit highlights the recent advances in wireless local area and wide area networks, vehicular networks and Internet of Things with focus on selected standards and network protocols. The unit also provides an overview for satellite navigation systems, wireless positioning technologies and location-based services.

### ENN530 Asset and Facility Management

Credit	12
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Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Professionals are often involved in the management of infrastructure including transportation, water, energy, buildings and telecommunications. In today's business environment, the efficient maintenance and management of these assets and associated risks is critical. The professionals need to know how to manage the whole of life cycle of assets; organise maintenance based on condition and reliability assessments; and create as well as implement effective asset management and maintenance plans so as to meet the business objectives of the organisation.

### ENN531 Advanced Materials and Engineering Applications

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The unit introducing recent development of materials and their potential applications. The advances in microanalysis and modelling techniques will be also covered. The unit teaches the inter-relationships amongst the microstructure, properties and processing so that the fundamental principle of structure-property relationship and materials selection can be understood. The unit also provides students an opportunity to apply the knowledge to analyze a typical

## Units

material problem through project work and practice class. Understanding of the fundamental relationships between the microstructure and properties in materials is critical to development of robust designs and/or manufacturing methods. This unit provides knowledge in advanced materials, their properties, application, processing, characterization and simulation. This is an advanced unit which is relevant and built on other materials and manufacturing units.

### ENN541 Research Methods for Engineers

Anti-requisites	IFN600, INN700, INN701
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Problem identification, research design and planning, literature search and communications through reports and presentations are essential attributes of engineers in all the disciplines. Practice based research methods applied to solve discipline specific real world problems are skills in demand from professional engineers in contemporary work places. It is also equally important to communicate methods and solutions clearly and effectively in writing and verbally.

### ENN543 Data Analytics and Optimisation

Equivalent s	ENN542
Credit	12

Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

There is a growing need for engineers to understand underlying patterns and characteristics of vast amount of data collected from various sources by performing advanced data analytics and optimisation to transform data into understandable and actionable information for the purpose of making decisions. This unit develops your knowledge to improve the economy and efficiency of systems, processes, and enterprises through data analytics and optimisation. The unit focuses on application of statistical, and optimisation methods to solve complex problems involving large data sets from multiple sources.

### ENN544 Sustainable Practice in Engineering

Equivalent s	
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Sustainable development has become a global agenda that impacts on our work and everyday life. Sustainability principles and practices are rapidly becoming embedded in all phases of engineering projects from planning, design, construction and maintenance of buildings and infrastructure, through to mining and manufacturing, energy and water utilities. Engineers need to ensure that their decision

making is guided by the fundamental principles of sustainable development. The unit will introduce you to principles, challenges and skills for dealing with a diversity of trans-disciplinary issues in engineering sustainable development. By introducing critical sustainability theory and challenging best practices, this unit will prepare you for the impending changes that are necessary in all built environment and engineering disciplines.

### ENN570 Enterprise Resource Planning

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Enterprise Systems are now essential infrastructure to both large as well as to small-to-medium (SME) organisations, as they realise the necessity of a single central database instead of a large number of separate databases. By integrating core business processes in one single application, Enterprise Resource Planning (ERP) helps companies maximize the efficiency of business processes across the entire organization including increases in on-time delivery, productivity, forecasting demand and production capacity. This unit aims to provide the fundamental understanding of various Enterprise Systems, functions and modules and how they can be integrated in a business context. The students will be

trained to develop a real life ERP system based on actual data from industry. This unit will also aims to help students to refine their communication and group work skills, and assist in the development of research-based skills. This is a core unit for Master of Engineering Management.

### ENN590 Project 1

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is the first semester of a two-semester project unit ENN590, in Master of Engineering program EN50. It provides experience in solving advanced engineering problems and the opportunity to apply the knowledge gained throughout the EN50 course. Engineering concepts, technical approaches and tools can be used to solve problems that confront engineers. However, the engineering approach needs identifying and justifying before it can continued be implemented (in ENN590-2). The ability to frame a technical approach to an engineering problem is essential to professional practice. From a learning perspective, one of the most effective ways of achieving this is to investigate an authentic engineering problem that is relevant to your profession.

### ENN590 Project 2

Pre-requisites	ENN590-1
Credit Points	12

Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This forms the second semester of the Master of Engineering capstone project. Engineering approaches and tools can be used to solve problems that confront engineers. The techniques and tools were identified and the project framed in semester 2 and they are applied in this unit. The ability to frame a technical approach to an engineering problem is essential to engineering practice. From a learning perspective, one of the most effective ways of achieving this is to investigate an authentic engineering problem that is relevant to your profession.

### ENN591 Project 1

Pre-requisites	ENN541. May be enrolled in the same teaching period as ENN591-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is the first semester of a two-semester project unit. It provides experience in solving advanced engineering management problems and the opportunity to apply the knowledge gained throughout the BN87 course. Management approaches and tools can be used to solve problems that confront engineers. However, the management approach needs identifying and justifying before it can be implemented (in ENN591-2). The ability to frame a management approach to an engineering problem is

essential to professional practice. From a learning perspective, one of the most effective ways of achieving this is to investigate an authentic engineering problem that is relevant to your profession.

### ENN591 Project 2

Pre-requisites	ENN591-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This forms the second semester of the Engineering Management capstone project. Engineering management approaches and tools will be used to solve problems that confront engineers. The tools were identified and the project framed in semester 1 and they are applied in this unit. The ability to frame an engineering management approach to an engineering problem is essential to professional practice. From a learning perspective, one of the most effective ways of achieving this is to investigate an authentic engineering problem that is relevant to the profession.

### ENN592 Project 1

Pre-requisites	Enrolment in EN55MJR-ELECTRI or EN55MJR-MECHENG or EN55MJRCIVILEN or ENGGMJR-CIVICON and ENN541. Enrolment in ENN541 in the same teaching period as ENN592-1 is allowed
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2



This is the first semester of a two-semester project unit ENN592, in Master of Engineering program EN555. It provides experience in solving advanced engineering problems and the opportunity to apply the knowledge gained throughout the EN55 course. Engineering concepts, technical approaches and tools can be used to solve problems that confront engineers. However, the engineering approach needs identifying and justifying before it can continued be implemented (in ENN592-2). The ability to frame a technical approach to an engineering problem is essential to professional practice. From a learning perspective, one of the most effective ways of achieving this is to investigate an authentic engineering problem that is relevant to your profession.

**ENN592 Project 2**

Pre-requisites	ENN592-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This forms the second semester of the Master of professional Engineering capstone project. Engineering approaches and tools can be used to solve problems that confront engineers. The techniques and tools were identified and the project framed in semester 2 and they are applied in this unit. The ability to frame a technical approach to an engineering problem is essential to

professional practice. From a learning perspective, one of the most effective ways of achieving this is to investigate an authentic engineering problem that is relevant to your profession.

**ENN593 Project 2**

Pre-requisites	ENN593-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This two-semester capstone project unit provides skills and experience in solving advanced engineering management problems and the opportunity to apply the knowledge gained throughout EN55 course. Through this project work, you will gain experience in project identification, research planning, communications and problem solving. The unit also gives you the opportunity to demonstrate that you have completed the required work placement for accreditation with Engineers Australia.

**ENN593 Project 1**

Pre-requisites	Enrolment in EN55MJR-ELECMAN or EN55MJR-MECHMAN or EN55MJR-CIVIMAN and ENN541. Enrolment in ENN541 in the same teaching period as ENN593-1 is allowed
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This two-semester capstone project unit provides skills and experience in solving advanced engineering management

problems and the opportunity to apply the knowledge gained throughout EN55 course. Through this project work, you will gain experience in problem identification, research planning, communications and problem solving.

**ERB101 Earth Systems**

Equivalent s	NQB201
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Earth Science impacts every aspect of modern life. The concepts of Earth Science are fundamental not only to the field of Geology, but also to Environmental Science, natural resource management, civil engineering and society at large. Earth Systems introduces Earth Science, including earth materials, geologic history, geological and physical geography process at the Earth's surface, and the complex interplay between the lithosphere and landscapes. Additionally, the unit provides readily accessible examples of the use of scientific reasoning for understanding complex natural systems. Hence, Earth Systems is a foundation unit for further studies in Geology and Environmental Science, but more importantly, serves as a broad introduction to the very world we live on, and to the ways of science in general. Such a background is highly desirable for any informed citizenry for understanding

## Units

complex issues of resource, environment, and societal development.

### ERB102 Evolving Earth

Equivalent s	NQB202
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

In ERB102 Evolving Earth you will focus on key events in the history of our planet – the formation of our planet, the concept of geologic time, the origin of the oceans and atmosphere and the evolution of life. You will learn about the connections between the evolution of life and geological processes and events, to appreciate the complexity of life that exists on Earth today. This provides a fundamental introduction to evolution and geological time and prepares you for more in-depth exploration of Earth system connectivity, natural hazards, environmental management and climate change.

### ERB201 Destructive Earth: Natural Hazards

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

In ERB201 Destructive Earth, we will focus on the Science of Natural Hazards. By understanding the conditions and processes that lead to, and cause, severity of natural

processes such as earthquakes, tsunamis, volcanic eruptions, landslides, cyclones, tornadoes, storms/blizzards, floods, bushfire, and asteroid impacts, you will be better informed as to why there are natural hazards and disasters, and how to prepare and mitigate for future events that will have a range of social, economic and political impacts. We will build on the knowledge and skills developed in Year 1 to provide you with a global perspective of how we, as a society, will continually be confronted by natural hazards.

### ERB202 Marine Geoscience

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Oceans make up 70% of the Earth's surface, yet less than 5% of them have been explored. There is therefore still much to learn about the marine environment, marine resources and management. This unit will develop a detailed understanding of oceanography, carbonate geology and reef structures, marine biota and interpretation of depositional processes and products in the shallow through to the deep marine environment.

### ERB203 Sedimentary Geology and Stratigraphy

Pre-requisites	ERB101 and ERB102 and ERB202
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Anti-requisites	NQB413
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides you with an introduction to sedimentology and stratigraphy, incorporating sediments and sedimentary rocks and how they relate to depositional environments. The unit focuses on the link between features preserved in sedimentary rocks and what those features tell us about how the rock was emplaced, the environment it was emplaced into and the subsequent burial history of the rocks. Sedimentology and stratigraphy is a fundamental part of the education of any earth scientist, and especially of those who wish to be involved in fossil fuel (i.e., coal, petroleum and gas) exploration, water resource exploration and management, and environmental geology, such as geosequestration of carbon dioxide, landscape remediation and soil science, investigation of extreme events (e.g., landslides, tsunami and storm surge) and climate change.

### ERB204 Deforming Earth: Fundamentals of Structural Geology

Pre-requisites	ERB101 and (SEB113 or MXB105 or MZB125)
Equivalent s	NQB412
Credit Points	12
Campus	Gardens Point,

## Units

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit develops the knowledge and skills required to recognise, classify, describe, record, and interpret deformation structures in rocks, from the scale of millimetres to kilometres. Rock deformation driven by plate tectonics is a fundamental process that shapes the lithosphere of our planet and the complex 3D spatial distribution of rocks within it. It is integral to the study of the solid Earth and touches almost all geological disciplines.

### ERB205 Earth Materials

Equivalent s	NQB311
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Earth Materials comprises the study of minerals and rocks which form the solid Earth. The study of Earth Materials is essential for understanding the structure and composition of the earth and the detailed processes of the rock cycle. Earth Materials forms the basis for petrology (the study of the genesis of rocks) and geochemistry.

### ERB206 Petrology

Pre-requisites	ERB205
Equivalent s	NQB411
Credit Points	12
Campus	Gardens Point,

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Petrology is the study of Igneous and metamorphic rocks. These rock types compose the bulk of the Earth. Understanding what these rocks are and how they form is an essential part of the study of geoscience and is fundamental to a wide range of higher level units. This unit focuses on the description, classification and origins of igneous and metamorphic rocks.

### ERB301 Chemical Earth

Pre-requisites	ERB101 and ERB102
Equivalent s	NQB615
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Earth Science examines the interaction of physical, biological and chemical processes in the fractionation and differentiation of the Earth. Geochemistry is therefore an essential component of understanding the origin of the Earth, its evolution through time and the functioning of systems that are active today. This unit aims to apply and develop your theoretical knowledge and practical skills, to use and apply a wide range of environmental and geochemical tools available to the modern scientist to address a variety of environmental and

geological problems.

### ERB302 Applied Geophysics

Pre-requisites	ERB204 and (SEB113 or MXB105 or MAB101 or MAB141 or MAB105)
Equivalent s	NQB513
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Applied geophysics provides geoscientists with the tools to investigate the generally inaccessible subsurface. These tools enable us to detect temporal and spatial changes in the physical properties of Earth. Knowledge of material properties such as density, electrical resistivity, magnetisation, elasticity and natural radioactivity is essential for the exploration of minerals, hydrocarbons and groundwater. Beyond exploration geophysical methods are used in disciplines as diverse as plate tectonics, environmental geology, engineering geology, and seismic hazard assessment.

### ERB303 Energy Resources and Basin Analysis

Pre-requisites	ERB203 and ERB302
Equivalent s	NQB612
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The vast majority of the world's energy is derived from fossil



fuels. Advanced concepts of stratigraphy and basin analysis are fundamental for exploration, evaluation, exploitation and conservation of oil, gas, coal and water in sedimentary rocks. Knowledge of subsurface geologic methods using core, well and geophysical data is essential for anyone wishing to enter the petroleum, coal or strata-bound minerals industry. This unit will cover advanced basin analysis concepts and combine project based learning and practical exercises to provide insight into the exploration of petroleum and other natural resources.

### ERB304 Dynamic Earth: Plate Tectonics

Pre-requisites	ERB203, ERB204 and ERB302
Equivalent s	NQB613
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

How we think about Earth processes and evolution has been revolutionised by the recognition that rigid plates forming the outer layer of the Earth move relative to one another and interact at their boundaries. This notion is a cornerstone of the unifying theory of Plate Tectonics. In this unit, you will be introduced to the driving mechanisms of motion and deformation within of the Earth and how they relate to the driving forces of Plate Tectonics. You will become familiar with the igneous, metamorphic and sedimentary responses

associated with specific tectonic environments, and how they have evolved through Earth's evolution. This is a synthesis course integrating all knowledge that you have gained from your Earth Science Major units.

### ERB305 Geological Field Methods

Pre-requisites	(ERB203 or NQB413) and (ERB204 or NQB412) and (ERB206 or NQB411)
Equivalent s	NQB502
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Field experience is an essential part of the professional training of geologists, environmental scientists and natural resource specialists in general. The theory and practice of methods to map, measure and interpret important geological features and characteristics are essential to the study of geology. Methods of mapping, orientation and interpretation are necessary skills for resource assessment, geo-exploration and environmental impact assessment. This unit assumes knowledge of geological principles and methods, namely structural geology and lithology (sedimentary, igneous and metamorphic rocks). It provides professional experiences that are essential for the employability for geology graduates.

### ERB306 Earth's Mineral Resources

Pre-requisites	ERB204 and ERB206 and ERB301
Equivalent s	NQB512
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

A mineral resource represents an enrichment of an element or mineral that can be mined for a profit, and Australia's wealth and future economic growth depend largely on these resources. Develop a theoretical background and understanding of the major aspects of mineral resource formation; develop the practical skills to describe and interpret mineralised rocks and their host sequences; and plan and execute an exploration program. Learning approaches include, lectures (including guest industry lectures) and practical sessions using samples from famous ore bodies across the globe (hand samples and thin sections for microscopic study). Students are assessed based on a group project and theoretical and practical exams. Many students find the semester-long mineral exploration group project a highlight, as students get an opportunity to use a variety of real datasets to 'explore' for mineral prospects. The JK Education Endowment Award is given to the group with the top mark.

## Units

### ERB310 Groundwater Systems

Pre-requisites	ERB101 or EVB312
Equivalent s	NQB614
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit focuses on the origin, occurrence and movement of groundwater; aquifer properties; chemistry and quality of groundwater; exploration methods for groundwater; drilling methods and well testing equipment; assessment of groundwater problems, both supply and quality; and introduction to modelling of groundwater systems. Groundwater resources of Australia and current issues associated with these resources are covered. This unit builds on knowledge of soil and water chemistry from "Soils" and "Environmental pollution". Through working on real world assessment tasks, you will learn how to collect, analyse and interpret groundwater data. These skills will prepare you for any role where groundwater may be encountered (including government, industry and consulting roles).

### ERB315 Geological Field Methods Theory

Pre-requisites	(ERB203 or NQB413) and (ERB204 or NQB412) and (ERB206 or NQB411)
Equivalent s	NQB502
Credit Points	6

Campus	Online
Availabilities	<b>Online</b> - SEM5B

The theory and practice of methods to map, analyse and interpret three-dimensional geological bodies are essential to the study of geology. Methods of mapping, geometrical analysis, and interpretation are necessary skills for resource assessment, geo-exploration and environmental impact assessment. This unit assumes knowledge of geological principles and methods, namely structural geology and lithology (sedimentary, igneous and metamorphic rocks). It provides professional experiences that are essential for the employability for geology graduates.

### ERB316 Geological Field Methods Practical

Pre-requisites	ERB315 or (ERB203 or NQB413) and (ERB204 or NQB412) and (ERB206 or NQB411)
Anti-requisites	ERB305
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP4

Field experience is an essential part of the professional training of geologists, environmental scientists and natural resource specialists in general. The practice of methods to map, analyse and interpret three-dimensional geological bodies in the field is essential to the study of geology. Methods of mapping, geometrical analysis, and interpretation are

necessary skills for resource assessment, geo-exploration and environmental impact assessment. This unit assumes knowledge of geological principles and methods, namely structural geology and lithology (sedimentary, igneous and metamorphic rocks), and a sound foundation in theoretical geological mapping skills. It provides professional experiences that are essential for the employability for geology graduates.

### EUB001 Grammar in the Classroom: Theories and Pedagogies

Equivalent s	CRB443
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>External</b> - FP08A, SEM-1

This unit provides an organised, contextualised introduction to professional, academic and school-based communication skills through workshop sessions. You will learn to provide feedback on unsuccessful assessment tasks, discuss the assessment with peers, and prepare teaching sequences for communicating knowledge. This is important as all teachers need to know how to participate in professional development and professional dialogues and teach students to read/view and write/design texts. Functional grammar is the foundational skill for this unit. All teachers benefit from knowledge about grammar and skills in how to teach it in the discipline/teaching areas. This

## Units

unit will deepen your knowledge of grammar as a system of communication, and expand your skills in how to teach composition within a range of discipline areas.

### EUB002 Numeracy: Examining Barriers for Learners

Credit Points	12
Campus	External
Availabilities	<b>External</b> - FP08A

Numeracy is a crucial component of education; however, many learners continue to cite concerns over their numeracy skills well into adulthood. Educators across disciplines and areas are needed in this area who have understandings, skills and expertise around potential barriers and equity issues in numeracy education. This unit will provide you with opportunities to explore several potential issues in numeracy education, and may include psychological, socioeconomic, cultural and/or biological factors. This unit will build on knowledge and expertise gained from core units of mathematics already studied as well as numeracy concepts explored within other curriculum subjects. This unit is critical to position you as a responsive, inclusive and resilient numeracy educator in your setting.

### EUB003 Managing Challenging Student Behaviours Related to Complex Trauma

Equivalent	LCB343
Credit	12

Points	
Campus	Kelvin Grove and External
Availabilities	<b>External</b> - 6TP2, FP08A

This unit is designed to develop your understanding and skill in neuroscience-informed support and education of students who are living with the outcomes of complex childhood trauma (abuse, neglect, family violence, etc). New teachers often deem student behaviour to be one of the most confronting aspects of their new careers. The behavioural concerns presented by students who are living with the outcomes of complex trauma can be significant, persistent and unresponsive to more traditional approaches to behaviour management. By examining the impact of complex trauma on the developing brain and nervous system, you'll develop your understanding of why and how these behaviours occur and explore approaches and strategies recommended to address short and longer-term concerns for students. You'll be informed and prepared for the times you are responsible for the learning and well-being of these students whilst minimising any negative impact on your own well-being or teaching practice.

### EUB004 Including Students with Learning Difficulties

Equivalent	LCB330
Credit Points	12
Campus	External
Availabilities	<b>External</b>

es	- FP08A
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The aim of this unit is to provide you with knowledge of the learning strengths and challenges of students with learning difficulties in inclusive educational settings and to provide you with skills and strategies to improve learning outcomes with these students. These learning differences can cause difficulties in reading, writing, spelling, and maths. This option unit provides you, as a pre-service teacher, with an understanding of concepts of difference in learning and practical implications for teaching. This unit will focus on pedagogical frameworks and continuums of support to ensure quality instruction, underpinned by informed evidence that identifies each child's needs and supports performance in an inclusive environment. You will develop skills to disseminate your knowledge to the wider community, including your peers and future teaching colleagues.

### EUB005 The Global Teacher, Learner and Citizen

Equivalent	LCB327
Credit Points	12
Campus	External
Availabilities	<b>External</b> - FP08A

Emerging environmental, demographic, economic, cultural and digital forces are shaping young peoples' lives around the globe and increasing their intercultural encounters. This unit will



provide you with opportunities to develop your capacity to teach in an interconnected, diverse and rapidly changing world. Building on your knowledge and expertise gained from your core units, the unit considers how learners can critically examine global developments that are significant to both the world at large and their own lives. A variety of subject matter drawn from frameworks for global education including; global competence, intercultural education, global citizenship education, values education and education for sustainable development, will be considered through which key principles and practices of contemporary pedagogy will be explored. You will apply your understanding of a global and intercultural outlook to your education setting.

### EUB006 Differentiation and Gifted Children

Equivalent s	LCB344
Credit Points	12
Campus	External
Availabilities	<b>External</b> - FP08A

The aim of this unit is develop your professional knowledge of the philosophy and pedagogy of differentiation, and how to extend learners in an inclusive education context (including learners who may be identified as gifted). The learning in this unit will develop your understanding and skills of designing differentiation to cater for diverse learners by adjusting the content,

processes of teaching and learning, products of learning, and the learning environment. It will also develop your understandings about developing profiles of learners and their capabilities, and providing tiers of support to extend learners in an inclusive setting. This unit is in the developmental stage of the course, and will link to other learning on inclusive education and pedagogical approaches.

### EUB007 Understanding Reading Difficulties

Equivalent s	LCB338
Credit Points	12
Campus	External
Availabilities	<b>External</b> - FP08A

The unit offers opportunities to develop and master your knowledge and pedagogical skills related to teaching students who experience difficulty learning to read. You will learn strategies for planning, teaching and assessing, and strategies for engaging parents/carers. The context for learning will be framed by the Australian Curriculum: English and current research, relevant literacies theories, and empirical research. You will be encouraged to explore the concepts presented via collaborative learning experiences including case studies, problem solving tasks, small group work, and discussion. The unit enables you to build informed professional practices for teaching students with reading

difficulties. The unit includes weekly study activities to support the content delivered within workshops.

### EUB008 Engaging with New and Emerging Technologies

Equivalent s	CRB038, CRB039
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

This unit develops the theoretical and practical approaches to using new and emerging digital technologies across the curriculum to connect and engage with students. Working both individually and collaboratively, you will participate in activities that require you to explore these technologies and apply them across all learning areas. The aims of this unit are to enable you to acquire skills and knowledge related to (i) introducing and using new and emerging technologies across a range of learning areas, and (ii) theoretical and practical perspectives associated with using these technologies in your future classroom.

### EUB009 Teachers as Leaders and Entrepreneurial Thinkers

Credit Points	12
Campus	External
Availabilities	<b>External</b> - FP08A

As a teacher you are a leader, regardless of your organisational position. Leadership and entrepreneurial thinking involve enacted practices that shape who you

are as a teacher. This unit aims to develop your practical leadership and entrepreneurial thinking skills to enable you to become confident in self-negotiated action, and influence your future working environment in a positive way. Understanding leadership and entrepreneurial thinking enables people who work in educational contexts to be well positioned in engaging with change, enabling organisational growth, and advocating for effective forms of professional practice. This unit enables you to engage with leadership and entrepreneurial thinking in your role in the teaching profession. It links to your previous study of learners and educational contexts to provide an important foundation for your professional identity and your future career as a teacher with leadership and entrepreneurial skills.

### EUB010 Real World Integrated STEM Education

Equivalent s	CRB042
Credit Points	12
Campus	External
Availabilities	<b>External</b> - FP08A

This unit equips you to understand how Integrated STEM contributes to the investigation and solution of real-world problems, where this field aligns with the Early Years Learning Framework and the Australian Curriculum, and how learners learn through contextualised Integrated STEM projects. The unit

adopts authentic approaches to teaching knowledge and skills relevant for problem identification, definition, inquiry, the trialling of possible solutions and the construction of solutions, simulating transdisciplinary contexts in which science, technology, engineering and mathematics are practiced. The unit enables you to build on teaching areas related to science, technology, engineering and/or mathematics, appropriate to the context in which you will teach. The Integrated STEM approach enables prior discipline, curriculum and pedagogical knowledge to be framed in authentic learning contexts that simulate real-world practice.

### EUB011 Community Engagement in International, Rural and Remote

Anti-requisites	EDB440
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>External</b> - 13TP3, 6TP3

The unit encompasses your international, rural or remote education experience that has been organised through QUT. The learning in this unit will develop your knowledge, skills and application for working. As part of this unit you will engage professionally with diverse linguistic, cultural, religious and socio-economic networks and communities. This unit builds on what you have learnt in the areas of engaging with an international, rural or remote

experience, allowing you to investigate and consider diversity and professional practice and engagement.

### EUB012 Learning STEM Through Teaching

Equivalent s	CRB040
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides you with an opportunity to explore your potential as a STEM educator and communicator, while gaining a better understanding of the enablers and barriers to your own learning processes. It introduces you to the essentials of teaching and learning, combining theoretical elements such as educational design and learning theories with practical, real world skills in observing, planning, presenting and communicating effectively. Such skills and knowledge are necessary in a wide range of STEM professions and will help you build confidence and expertise in presenting to groups. This introductory unit is interactive and collaborative, rewarding your engagement in a variety of group and individual activities. It can be taken as a single option or as the initial unit in the Science and Mathematics Education minor, which builds upon and contextualises the foundational skills developed in EUB012.

### EUB101 Supporting Innovative Pedagogy with Digital Technologies

Equivalent s	EDB112, CRB013
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - 10TP4, SEM-1

This unit introduces key concepts and skills for the application of digital technologies in curriculum and pedagogy. It focuses on using digital technologies as a general capability across early childhood, primary and secondary education contexts, while emphasising the importance of ethical use of digital technologies in new and innovative approaches to teaching and learning. This unit will develop your knowledge of relevant curriculum documents (such as the Australian Curriculum, and the Early Years Learning Framework) and prepare you with the pedagogies to teach effectively across the curriculum using digital technologies. This unit is undertaken in the first year of your course.

### EUB102 Teaching in New and Emerging Educational Contexts

Equivalent s	EAB511, LCB003
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1, XCH-1

This unit introduces you to the complex relationship between

our education system and the social and cultural contexts from which it emerges. You will use socio-cultural and sociological theory to better understand those you will come to teach, as well as how learners' diverse backgrounds, including Aboriginal and Torres Strait Islander students, shape their experiences with the modern school/site, often in very different ways. In this unit, you will develop reflective and critical understandings of the socially, culturally and historically constructed nature of education and care, and be able to identify the social identities and structures influencing contemporary early childhood, primary, middle and senior school contexts.

### EUB103 Culture Studies: Indigenous Education

Anti-requisites	EDB171
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit provides you with foundation skills and knowledge about teaching Aboriginal and Torres Strait Islander students and embedding Aboriginal and Torres Strait Islander peoples' knowledge as required by the Australian Curriculum, Early Years Learning Framework and the Queensland Kindergarten Learning Guideline. It is about understanding Aboriginal and Torres Strait Islander peoples'

perspectives on history and contemporary issues, and why Aboriginal and Torres Strait Islander students continue to be disadvantaged by education systems. You'll develop theoretical, personal and professional knowledge around Indigenous perspectives enabling you to think more deeply about your role as a teacher in diverse educational contexts. It will cover a relevant concepts and issues in the area of Indigenous education, establishing a critical foundation for your teaching practice capacity to meet the educational needs of Indigenous students, their families and communities in practical ways.

### EUB104 Stepping In

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - 10TP4, SEM-1

This unit introduces key concepts and skills required when working in education, and cultivates awareness of diverse educational contexts and understandings of teachers' work. The unit provides explicit academic preparation underpinned by the Australian Professional Standards designed to support you through your degree and transition to the profession. There is opportunity to demonstrate effective communication techniques and engage with academics, peers and education professionals. You will be introduced to



contemporary policies and curriculum documents including the Australian Curriculum, and Early Years Learning Framework for early childhood education. The concept of teacher resilience will be introduced, providing the opportunity to engage with resources for building teacher resilience that will be developed in your degree. This unit presents an introduction to requirements including the Quality Teaching Performance Assessment that you will develop further in your degree.

**EUB105 Introduction to Curriculum, Pedagogy and Assessment (Primary)**

Anti-requisites	EDB140
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit introduces the theory and practice of teaching and learning cycles that integrate curriculum, pedagogy and assessment to design lesson plans for primary students. You will learn how to plan a lesson using knowledge of student learning, curriculum sources, and responsive formative assessment. You will have opportunities to conduct classroom observations of students and teachers engaged in learning (via visiting or virtually engaging with schools). You will be introduced to national and state curricular documents, pedagogic frameworks and

assessment for learning theories that inform contemporary teacher practice. This introductory unit provides a context for applying the theoretical knowledge of teaching and learning cycles. The unit also provides a foundation to be developed further in professional experience in EUB242 Professional Experience: Introduction to Professional Practice. The unit complements EUB112 Child and Adolescent Learning and Development.

**EUB106 Introduction to Curriculum, Pedagogy and Assessment (Early Childhood)**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit introduces key concepts about effective curriculum, pedagogy and assessment in early childhood education settings. You will identify, consider and evaluate early childhood philosophies, theories and approaches that influence and inform curriculum, pedagogy and assessment in the early years. You will learn how to plan learning experiences based on understandings of learners, curriculum sources, teaching strategies and responsive formative assessment. You will have opportunities to conduct observations of children and teachers engaged in learning (either in person or online). You will be introduced to

national and state curricular documents, including the Early Years Learning Framework and Queensland Kindergarten Learning Guideline, pedagogic principles and practices, and assessment for learning theories and strategies. The content in this unit will be further developed through professional experiences and child development units.

**EUB107 Introduction to Curriculum, Pedagogy and Assessment (Secondary)**

Anti-requisites	EUB129 - Introduction to Curriculum, Pedagogy and Assessment: Double Degree
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit introduces the theory and practice of teaching and learning cycles that integrate curriculum, pedagogy and assessment to design lesson plans for secondary students. You will learn how to plan a lesson in your first teaching area using knowledge of student learning, curriculum sources, teaching strategies, and responsive formative assessment (informal and formal, diagnostic and summative). You will have opportunities to conduct classroom observations of students and teachers engaged in learning (via visiting or virtually engaging with schools). This introductory unit provides context for applying the theoretical knowledge of teaching and learning cycles. You will be

introduced to national and state curricular documents, pedagogic frameworks and assessment for learning theories that inform contemporary teacher practice. The unit provides a foundation further developed through professional experiences and child and adolescent learning units.

**EUB108 Early Childhood Development and Learning (Birth-8 Years)**

Anti-requisites	EDB120 and EDB121
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit introduces theories, features and processes of early childhood development and learning, from birth to 8 years. Child development and learning are shaped by both biological predispositions, and the interactions and experiences afforded to children in family and social contexts. Content in this unit is focused on children's physical, social and emotional development, along with speech, language and cognition. Aboriginal and Torres Strait Islander knowledges and perspectives on child development are embedded in this unit. Knowledge about the interrelatedness of each area of child development, including influences on how children develop and learn, is fundamental to early childhood

education practice. Early childhood teachers apply child development knowledge to plan and facilitate appropriate learning experiences. Your learning in this unit contributes to knowledge and skills further developed in the professional experience units EUB140 and EUB241.

**EUB109 English, Literacies and Language 1**

Equivalent s	EAB510
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit develops your knowledge, skills and application of teaching English curriculum, language and literacy to young children, from birth to year 6. This unit focuses on the theories of teaching English, literacy and language acquisition, and develops understandings about effective use of children's literature in literacy teaching in prior-to-school and primary school settings. You will explore early years literacy teaching and learning, including play based pedagogies with particular focus on birth to Year 3. You will engage with the Early Years Learning Framework, Queensland Kindergarten Guideline and The Australian Curriculum, to understand the ways children and teachers build knowledge and skills with language and literacy as they transition from prior-to-school

to formal school contexts. The unit also prepares you in learning how to annotate evidence of practice, which will be needed for the Quality Teaching Performance Assessment in your final semester.

**EUB110 Primary English Curriculum Studies 1**

Equivalent s	EAB510
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit provides an introduction to foundation understandings, skills and processes for studying Primary English Curriculum. In this unit, you will engage with current research about how educators teach children to learn about literature, including literacy theories, pedagogical models and assessment practices. In the context of a real world diverse class profile, you will study the Continuum of Literacy Instruction or Literacy Block, the Four Resources Model and reading assessment practices. The Primary English curriculum provides a key context for the development of literacy skills and knowledges. The unit supports the development of understandings that will be critical for further studies of language and literacies in EUB209 Primary English Curriculum Studies 2 and EUB306 Primary English Curriculum Studies 3. The units enable you to build informed

professional practices for teaching listening, speaking, reading and writing for the real world.

**EUB111 Primary Mathematics Curriculum Studies 1**

Equivalent s	CRB001
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit aims to assist you with developing your knowledge, skills and understanding of primary mathematics curriculum and pedagogical context knowledge and its application to real world contexts to enhance a numerate society. The foundations of mathematics commence in early childhood through play and is developed in later years through schooling and active participation in society. In this unit, specific content includes the exploration of number and measurement and the proficiencies, and the role of numeracy in daily life including your own lives, in society and educational contexts.

**EUB112 Child and Adolescent Learning and Development**

Equivalent s	LCB002
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This introductory unit

contributes to your foundation knowledge for your pre-service teaching degree. This first-year unit facilitates understanding of how learners construct knowledge and become self-motivated thinkers and problem solvers. The unit provides a means of acquiring knowledge of the processes of learning, and an awareness of the physical, personal, moral, social, and emotional factors that influence development, and learning experiences that support the instruction of diverse learners. The unit contributes to your own professional development as a life-long, autonomous learner, capable of reflection and high-level thinking, and of enabling you, as an educator, to promote similar development in your learners.

**EUB129 Introduction to Curriculum, Pedagogy and Assessment: Double Degree**

Anti-requisites	
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is the first of two units in the double degree that focus on curriculum, pedagogy and assessment in your first teaching area. The theory and practice of teaching and learning cycles that integrate curriculum, pedagogy and assessment for effective lesson design for secondary students in years 7 to 10 will be introduced in this unit. You will engage with national and state curricular documents,

pedagogic frameworks and assessment theories that inform contemporary teacher practice. You will learn how to plan a lesson in your first teaching area using knowledge of student learning, curriculum sources, teaching strategies, and assessment responsive to student needs. You will have opportunities to observe students and teachers engaged in learning (via visiting or virtually engaging with classrooms). The unit provides a foundation further developed through professional experiences and child and adolescent learning units.

**EUB140 Professional Experience: Introduction to Early Childhood Practice in Kindergartens**

Pre-requisites	EUB104
Anti-requisites	EDB120 and EDB121
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Early childhood teachers draw on educational theories and practices, curriculum knowledge, play-based pedagogies, and understanding of the multiple ways that children learn to provide effective, inclusive and engaging educational environments for children aged 3-5 years. This unit focuses on examining the roles and practices of early childhood teachers; building respectful relationships with children, families, communities and



colleagues; observing, documenting and assessing children's learning; planning and implementing engaging play-based pedagogies to support and extend children's learning; and critically reflecting on teaching, and links between the National Quality Standard and the Australian Professional Standards for Teachers. The unit includes a 15-day professional experience placement (ACECQA requirements) in a kindergarten setting and will further support you to develop knowledge and skills related to your Quality Teaching Performance Assessment (QTPA).

### EUB150 World Regions

Equivalent s	CRB109
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit offers an introduction to geography as a discipline and provides an overview of the physical and human characteristics of the world's geographical regions, and zones (e.g. climate zones and biomes). With a focus on the interactions between people and environments you will gain an understanding of geographical processes that shape the identity of places. Geographical processes are both bio-physical and anthropogenic in nature and result in patterns of change over time and space which has implications for people and places. Using an inquiry approach, you will explore the

regions, sub-regions and zones of the world to develop and apply analytical and communication skills as well as the specific geographical skills of mapping and representing data. The skills and understanding developed in this course provide practical value to professions including journalism, teaching, law, hazard management, global security, conservation and environmental science.

### EUB151 Nations and Nationalism in Modern Europe

Equivalent s	CRB108
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides you with an understanding of matters pertinent to the evolution of nationalism in Europe in the modern era. This will include the influence of social movements, cultural and economic issues (1640-1990). Nationalism, nationhood and national identity have become subjects of heated debate in the post-cold war world. But what is nationalism? What constitutes a nation and how does nationality become one of the primary bases for the construction of individual and collective identities? This unit offers you the ability to critically evaluate the work of professional historians. You will explore how available evidence and methodologies employed influence cultural and political factors and shape the messages and values that

historians advocate through their writing. These practices promote understandings of how historians work, the rules that govern their methods, the reliability of historical knowledge and the value of history socially and culturally.

### EUB152 Teaching Young Adult Literature

Equivalent s	LCB323
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This is the first discipline unit that you will take in the first year of your degree. It will provide you with a broad introduction to Young Adult (YA) literature, created for and/or marketed to readers aged between 12 and 20 years. This unit complements and extends the study of literature in the English Curriculum units. It addresses similar aspects of literary criticism but applies these elements to literature specifically intended for adolescents and young adults. In this unit you will also engage with a number of topics essential to the professional development of secondary English teachers including scope and nature of YA literature; strategies for evaluation and selection of focus texts; recent research into teenagers' reading needs, interests and responses. You will also address questions about literariness, appeal, and the changing role and format of literary YA texts in learning

environments dominated by digital media.

### EUB153 Thinking and Communicating Mathematically

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Ways of thinking, reasoning and communicating mathematically are important both for “doing” mathematics and for your future professional practice, when you will need to demonstrate these skills to assist others in their learning of mathematics. This unit is intended to reshape your way of thinking about mathematics, bridging you from a position of a learner at school to a learner of mathematics for your future profession. This unit provides a basis for the remaining mathematics discipline units in the Bachelor of Education (Secondary) course.

### EUB154 Foundations of Science

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

With a focus on the topic areas of the Australian Curriculum for junior secondary science, this unit aims to build foundational knowledge of science by critically reflecting on the nature of science, different forms of science inquiry, and the characteristics of the knowledge that is produced. This unit will prepare you for further studies in science

discipline and curriculum studies, and as such it addresses professional standards to support the professional registration of teachers. It will ground you in an understanding of the social character and the philosophical foundations of science that are embedded in a heterogeneous collection of practices called science inquiry. In alignment with the recent Step Up Project (2016), you will connect with real-world scientists and perform science inquiry projects as a vehicle for critical reflection. This unit addresses APST 2.1 with a particular focus on junior secondary science topics.

### EUB201 Early Childhood Mathematics Education 1

Equivalent s	EAB532
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

It is essential that young children develop mathematical foundations in the early years. As a future educator you will need to be aware of the mathematical opportunities that will enhance young children's mathematical proficiencies. You will develop an introductory understanding of Early Childhood Mathematics Education and familiarise yourself with mathematical content knowledge and the pedagogical practices associated with Number and Algebra. In this unit and the

proceeding EUB302 Early Childhood Mathematics Education 2 unit, you will develop conceptual and pedagogical knowledge of early years mathematics teaching and learning, including play based pedagogies with particular focus on birth to Year 3. You will engage with the Early Years Learning Framework, ways children and teachers build mathematical knowledge as they transition from prior-to-school to formal school contexts.

### EUB202 English, Literacies and Language 2

Pre-requisites	EUB109 or EAB510
Equivalent s	EAB534
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit further develops your knowledge, skills and application for teaching English curriculum and literacy to young children. The unit is at the developmental stage of your course and focuses on the importance of children's early oral language development for the teaching of reading and writing in the early years of school. This unit links to the work previously undertaken in EUB109 English, Literacies and Language 1 and supports the development of understandings that will be crucial for your future studies in EUB304 English, Literacies and Language 3.

### EUB203 Science in Early Childhood

Equivalent s	EAB531
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit develops your understanding about the importance of quality science education for young children from birth to 8 years of age. In order to inspire young children to ask questions about their environment and become scientifically literate, teachers require knowledge of science concepts, pedagogy and curriculum, as well as diverse, contemporary and cultural perspectives on science education. This early childhood unit will develop your capacity to design and implement engaging science learning experiences that support children's conceptual development. You will further enhance your content knowledge, particularly in the areas of biology, chemistry, physics and earth and space science, through your participation in inquiry-based and hands-on learning activities. This unit will build on theories of teaching and learning from previous units and provide you with the knowledge and skills to develop and implement age-appropriate early childhood science learning experiences.

### EUB204 Building Partnerships with Families and Communities

Equivalent s	EAB513
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Teaching and learning is enhanced when early childhood teachers build respectful and supportive relationships and work in partnership with families. This includes undertaking professional learning to enhance these skills. This unit promotes knowledge and understandings about the diversity, complexity and changing nature of contemporary childhoods, families and communities. Undertaken in the second year of your course, you will be able to reflect on your experiences of working with children, families and communities in line with ACECQA requirements and the Australian Professional Standards for Teachers. You will understand your professional responsibilities and need for professional learning to develop your skills to engage in active communication, consultation and collaboration with families for effective partnerships and to develop links with other child and family services.

### EUB205 Child Health, Wellbeing, Safety and Movement

Equivalent s	EAB512
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Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Due to the emerging understandings and concerns regarding children's health and wellness, early childhood educators require the capacity to lead, plan, implement, and evaluate health practices in early childhood settings and to balance the health needs of individual children. Additionally, educators' health and wellness is an important aspect of effective delivery of early childhood programs. This unit introduces foundational understandings related to child health, wellbeing, safety and movement that influence working with children, and that relate to the learning areas of Health and Physical Education and The Early Years Learning Framework. The unit focuses on food, nutrition and wellness principles as well as diverse, contemporary and cultural perspectives on health and wellness including Aboriginal and Torres Strait Islander perspectives.

### EUB206 Arts Curriculum Studies 1: Visual Arts and Media Arts

Equivalent s	EAB530
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit is the first of two

curriculum units in the arts. In this introductory unit, you will examine the basic content of the Visual and Media arts and how students learn in these disciplines. The unit provides opportunities for practical exploration of these art forms and theories, and introduces relevant arts pedagogies that emphasise the role of the arts in society and in the education and care of children from birth to 12 years of age. The arts traditionally and historically play an important part in early childhood and primary education with their potential to inspire children to reach their creative potential, and to enrich their experiences in prior-to-school and primary school contexts. This Visual and Media Arts unit focuses on the social, emotional, cultural and educational importance of the arts.

**EUB207 Inclusive Education: Teaching Diverse Learners**

Equivalent s	LCB005, EAB514
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit will cover the fundamental concepts underpinning inclusive education and your obligations under national legislation, with emphasis on evidence-based universal strategies for use in inclusive classrooms and prior-to-school settings. The learning in this unit will develop your understanding of quality

differentiated teaching practice to support the engagement, participation and achievement of diverse learners in inclusive settings. The unit aims to build your pedagogical agility and ethical practice for creating safe and supportive inclusive learning environments. This unit is in the introductory stage of the course and is linked with other units covering child development and pedagogical approaches. It will enhance your responsiveness to the learning strengths, rights and requirements of diverse learners and your knowledge of universal strategies to teach diverse learners in inclusive settings.

**EUB208 Primary Mathematics Curriculum Studies 2**

Pre-requisites	EUB111 or CRB001
Equivalent s	CRB008
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

As a future mathematics educator you will need to be aware of the mathematical opportunities in everyday encounters that will enhance children's mathematical proficiencies. Through your participation in this unit you will develop conceptual and pedagogical knowledge of mathematics education, with a focus on algebra, geometry, probability and statistics. This unit builds upon knowledge attained in EUB111 Primary Mathematics Curriculum

Studies 1 and provides important foundational work for the proceeding unit, EUB307 Primary Mathematics Curriculum Studies 3.

**EUB209 Primary English Curriculum Studies 2**

Pre-requisites	EUB110 or EAB510
Equivalent s	CRB005
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit provides a developed understanding of skills and processes for studying Primary English Curriculum. In this unit, you will practice and engage with current research about how educators teach children to learn about language, including knowledge of the English language and how it works, language models and pedagogical models. In the context of a real world diverse class profile, you will study the writing cycle, a language in use model, and the teaching of genre, text types, grammar, punctuation, spelling and handwriting. The unit supports the development of understandings that will be critical for further studies of literacies in Primary English Curriculum Studies 3 (EUB306). The units enable you to build informed professional practices for teaching listening, speaking, reading and writing for the real world.



## EUB210 Science in Primary Education 1

Equivalent s	CRB002
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit will introduce you to science content knowledge and practices required to teach primary science from Foundation to Year 6. The content is relevant to the Science Understanding, Science as a Human Endeavour, and Science Inquiry Skills strands of the Australian Curriculum: Science and includes big ideas from the biology, chemistry, physics, and earth and space science disciplines. Adequate science disciplinary content knowledge has recently become a more focused requirement of Australian teachers working within educational systems. This unit will be built upon in EUB212 Science in Primary Education 2, where you will develop the knowledge and skills to plan, sequence, and assess inquiry-based student learning in primary science education using constructivism as a referent for your science teaching practice.

## EUB212 Science in Primary Education 2

Pre-requisites	EUB210 or CRB002
Equivalent s	CRB010
Credit Points	12
Campus	Kelvin Grove and External

Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2
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In this developmental unit you will learn how to plan, sequence, teach, and assess student learning in primary science. You will learn the major theoretical frameworks and research-informed teaching strategies that support high-quality science learning in the primary years. Included in this unit is the opportunity to apply and reflect upon your developing pedagogical content knowledge in relation to Australian Professional Standards for Teachers to identify professional learning needs. As this unit builds upon EUB210 Science in Primary Education 1, it is expected that you have existing knowledge of the science concepts and practices relevant to primary science education.

## EUB213 Inclusive Practices for Diverse Learners

Equivalent s	LCB005
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit will cover the fundamental concepts underpinning inclusive education and your obligations under national legislation with emphasis on evidence-based universal strategies for use in inclusive classrooms. This unit focuses on why, when and how to make adjustments for diverse students including those with complex behavioural

profiles (disabilities), in partnership with parents/carers and in collaboration with teacher aides and external professionals. The unit aims to build your pedagogical agility and ethical practice for creating safe and supportive inclusive learning environments for all students. This unit is in the introductory stage of the course and is linked with other units covering child development and pedagogical approaches. It will enhance your responsiveness to the learning strengths, rights and requirements of diverse students and your knowledge of quality differentiated teaching practice and adjustments for teaching diverse students in inclusive classrooms.

## EUB220 Curriculum, Pedagogy and Assessment 1: English

Pre-requisites	EUB107 or EUB129
Anti-requisites	CRB200 - English Curriculum Studies 1
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This English Curriculum Studies unit develops your understanding of English curriculum content, pedagogy and assessment, with a focus on junior secondary (years 7-10) education. Building upon your learning in EUB107 Introduction to Curriculum, Pedagogy and Assessment (Secondary), and following your first professional experience, this unit will explore the Australian

Curriculum: English in more depth, to recognise its implicit informing theories relating to language, literature and literacy and explicit program specifications. The focus of this unit is on junior high school contexts, with some engagement with senior English to show how junior and senior English are linked, and in preparation for the second professional experience unit. The unit provides simulated experiences of the kind of work undertaken by high school English teachers and their students.

### EUB221 Curriculum, Pedagogy and Assessment 1: Mathematics

Pre-requisites	EUB107 or EUB012 or EUB129
Anti-requisites	CRB204 - Mathematics Curriculum Studies 1
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Mathematics is a constantly evolving field of inter-related and inter-dependent concepts and systems that can be applied to model and reason about phenomena from other disciplines. Building upon your prior learning and experience, including your first professional experience, this unit will explore mathematics curricula, with a focus upon junior secondary (Years 7-10) in the Queensland context. Through a consideration of subject matter from the Australian Curriculum: Mathematics, key principles and practices of contemporary mathematics

pedagogy will be explored. You will apply your understanding of subject-matter, topic-specific pedagogy and formative assessment knowledge to the sequencing and design of learning activities suitable for use in a junior secondary classroom. The knowledge, understanding and skill developed in this unit will prepare you to plan and teach mathematics lessons in your subsequent professional experience, and will be further extended in EUB321.

### EUB222 Curriculum, Pedagogy and Assessment 1: History

Pre-requisites	EUB107 or EUB129
Anti-requisites	CRB208 - History Curriculum Studies 1
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit develops your understanding and skill in history curriculum, pedagogy and assessment knowledge. Building upon your learning in EUB107 or EUB129 (if you are a double degree student), and following your first professional experience, this unit will explore history curricula, with a focus upon Years 7-10. A variety of subject matter from the *Australian Curriculum: History* will be considered, through which key principles and practices of contemporary history pedagogy will be explored. You will apply your understanding of subject-matter, topic and discipline-specific conceptual and pedagogical and assessment

knowledge to the design of inquiry-based learning activities suitable for use in a junior secondary classroom. The knowledge, understanding and skills you develop here will prepare you to plan and teach a sequence of history lessons in your subsequent professional experience, and be further extended in EUB322 Curriculum, Pedagogy and Assessment 2: History.

### EUB223 Curriculum, Pedagogy and Assessment 1: Geography

Pre-requisites	EUB107 or EUB129
Anti-requisites	CRB212 - Geography Curriculum Studies 1
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit develops your understanding and skill in regards to Geography curriculum, pedagogy and assessment knowledge. Building upon your learning in EUB107 Introduction to Curriculum, Pedagogy and Assessment (Secondary), and following your first professional experience, this unit will explore geography curricula, with a focus on Years 7-10. A variety of subject matter from the Australian Curriculum: Geography will be considered, through which key principles and practices of contemporary geography pedagogy will be explored. You will apply your understanding of subject-matter and topic-specific pedagogical and assessment knowledge to the design of learning activities suitable for

use in a junior secondary classroom. The knowledge, understanding and skill developed in this unit will prepare you to plan and teach geography lessons in your subsequent professional experience, and will be further extended in EUB323 Curriculum, Pedagogy and Assessment 2: Geography.

### EUB224 Curriculum, Pedagogy and Assessment 1: Science

Pre-requisites	EUB107 or EUB012
Anti-requisites	CRB215
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit develops your understanding of Science curriculum, pedagogy and assessment. Building upon your learning in EUB107 Introduction to Curriculum, Pedagogy and Assessment (Secondary), contemporary pedagogical approaches for teaching science will be explored in conjunction with the requirements of the Australian Curriculum: Science. You will apply your understanding of discipline content knowledge (i.e., Biology, Chemistry, Physics, Earth and Space sciences) as well as pedagogical and assessment knowledge to the design of learning activities suitable for a junior secondary classroom (years 7-10). The knowledge, understanding and pedagogical skills developed in this unit will assist you to plan and teach a science lesson. Mapping of

junior science content to the senior syllabus will prepare you for further extension in EUB324 Curriculum, Pedagogy and Assessment 2: Science.

### EUB241 Professional Experience: Early Childhood Practice in Birth-2 Settings

Pre-requisites	EUB140 or EDB120
Anti-requisites	EDB121
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This second professional experience unit in a prior-to-school setting explores early childhood curriculum, learning environments, pedagogical approaches, and the importance of relationships in teaching children aged birth-2 years. Aboriginal and Torres Strait Islander knowledges and perspectives on early education and care are embedded throughout this unit. The unit includes a 10-day professional experience placement in a birth-2 setting and will further support you to develop knowledge and skills related to your Quality Teaching Performance Assessment (QTPA). Following on from EUB140 Professional Experience: Introduction to Early Childhood Practice in Kindergartens, the content of this unit and the 10-day professional experience placement contributes explicitly to the ACECQA requirements for early childhood graduates.

### EUB242 Professional Experience: Introduction to Professional Practice

Pre-requisites	EUB104 and (EUB105 or EUB107 or EUB129)
Anti-requisites	EDB170,EUB242
Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP3 <b>External</b> - 5TP3

This staged 12 credit point unit encompasses EUB242-1 (6cp unit) and EUB242-2 (6cp unit). This unit has a 15 day professional experience placement designed to further introduce you to the practice of teaching, building upon the learning you have had to date, especially the unit EUB104. Throughout this unit you will develop the skills necessary to critically analyse your professional practice and identify areas to strengthen. You will develop a range of planning and teaching strategies designed to positively impact on a diversity of learners in positive learning environments. The unit content and professional experience combine to provide you with purposeful learning and reflection opportunities for you to begin to develop and shape your emerging identity and practice as a beginning teacher. Learning in this unit will be directly related to preparing for and reflecting on the time you will spend in a school.



### EUB250 Australian Geographical Studies

Equivalent s	CRB113
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit explores the unique nature of the Australian continent, its landforms and landscapes, its people and places. A vast nation with a small population, Australia is faced with challenges of remoteness not found in other regions of the world. This remoteness shapes the identity of places and the relationships of people with their environment and poses challenges for sustainability and liveability. Australia is home to the one of world's oldest living cultures, that of Aboriginal peoples and Torres Strait Islander peoples, who have a connection and relationship with the land that shapes their identity and underpins their belief systems. In this unit you will gain an understanding of Indigenous peoples' perspectives on the creation of and relationships with land. The skills and knowledge acquired in this unit are valued in a range of academic endeavours including regional and urban planning, resource management, native title, emergency management, environmental management.

### EUB251 Environment and Society

Equivalent s	CRB110
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Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides an applied geography approach to understand the dynamic nature of interactions between people and their environments, and the ways environments influence people's attitudes, perceptions, choices and decisions. This is a skills-based unit that provides an opportunity to transform, represent and analyse geographical data and information to recognise spatial and temporal patterns and trends and explain how these represent contemporary geographical challenges. The skills developed in this unit are applicable across a range of other academic geography and social science subjects and are utilised by specialists in a diverse range of professions including economists, demographers, spatial technicians, criminologists, environmental analysts and managers, urban and regional planners and those in hazard management professions.

### EUB252 Australian Society and Culture

Equivalent s	CRB250
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Australian Society and Culture combines literary and cultural studies, political analysis and history. It provides a context

through which you can acquire knowledge about Australian institutions and traditions since 1901. In the last century, numerous social, cultural and political ideas, policies and actions have shaped and re-constructed Australians. Understanding how Australia has evolved as a nation, a community, a culture and a people involves critically analysing various constructions, meanings and interpretations. A study of Australian society and culture will therefore involve an appreciation of Australian people and the significant political and social debates that they engage in. This unit offers insights and understandings about issues that divide Australians as well as events and circumstances that unite the nation. The content provides students with the knowledge base and understandings necessary to successfully teach history in Queensland Secondary schools.

### EUB253 The Classical World

Equivalent s	CRB107
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit facilitates understandings of particular societies and their transition in the Classical World by focusing attention on selected periods, aspects and individuals in ancient Greece, Rome and the Near East. Such understandings encourage



questioning of established interpretations and knowledge and provides a basis for further intensive study of the period.

### EUB254 Studies in Language

Equivalent s	LCB320
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Pre-service English language teachers require a solid foundational understanding of the nature, complexity and diversity of language; of the ways in which it is acquired and learned and how it is used to perform a range of cognitive, social, cultural and personal functions. These understandings about language and literacy development are related to a broad range of teaching contexts, both local and international. This unit will enable you to gain insight into various aspects of language that impact on teaching and learning in schools. The unit will develop your awareness of the nature, function and development of language and literacy and the role each plays in the constitution of social and cultural processes and practices, with particular reference to the role of language in classroom contexts. It aims also to extend your understanding of the dynamic, changing nature of 'English' and of other languages in the current global context.

### EUB255 Literature in Secondary Teaching

Equivalent s	LCB322
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides you with opportunities to explore literature and fiction, theories of how literary and fictional works are produced, and to engage in creative writing. You will explore, as both consumers and creators, how fictional texts can convey and transform personal and cultural perspectives. The unit invites you to draw on a very wide repertoire of fictional texts across all media in interpreting and creating texts for professional, personal, cultural, social and aesthetic purposes.

### EUB256 Exploring, Representing and Interpreting Mathematical Change

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Understanding the mathematical representation of numerical change is fundamental to modelling the physical world. This unit takes a fresh look at the ideas that contribute to such an understanding, building on some of the concepts in EUB153. This unit shows how the relatively simple topics of algebra, geometry and trigonometry can be contextualised and represented, and how these

topics can be extended into introductory calculus. A key aspect of this unit will be the development of your confidence and ability as a secondary Mathematics teacher to communicate with others regarding these mathematical topics.

### EUB257 Reasoning with Quantity, Space and Shape

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

A deeper understanding of measurement, shape and space will allow you to apply your mathematical knowledge to problems of interest in the real world. This in turn will provide you with new ways to explain mathematics to others and to assist them in their learning. In this unit you will further apply your growing mathematical knowledge-base, built from earlier discipline units, to problems of both real world and abstract natures that involve the use of measurement and geometry concepts. This unit intends to give you greater confidence in explaining mathematical ideas to students by exposing you to different applications and links between mathematical topics.

### EUB301 Performing Arts in Early Childhood

Equivalent s	EAB536
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Early childhood performing arts has distinct pedagogical and curricular orientations, including play based approaches. Through music, movement/dance, performance-based media, imaginative play, story and drama, children are provided with ways to experience, understand, appreciate and respond to their worlds, as they develop visual, aural, bodily-kinesthetic and aesthetic literacies. An emphasis on early childhood approaches to the performing arts including play based experiences are a feature of this unit. This unit explores key ideas, concepts and understandings about effective curriculum, pedagogy, performing arts works and assessment in the performing arts in early childhood education from birth to eight. Your work in this unit will be linked to national and state curricular documents, including the Early Years Learning Framework, Queensland Kindergarten Learning Guideline and the Australian Curriculum: Arts Strands.

**EUB302 Early Childhood Mathematics Education 2**

Pre-requisites	EUB201
Equivalent s	EAB533
Credit Points	12
Campus	Kelvin Grove and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit provides you with opportunities to build conceptual knowledge and

practise pedagogical strategies that will provide young children with opportunities to engage in learning, specific to Measurement and Geometry and Statistics and Probability. This unit extends upon knowledge gained in EUB201 and further develops your understandings, attitudes, values and skills in relation to early childhood mathematic concepts of Measurement and Geometry and Statistics and Probability. Through participation in this unit, you will be prepared to develop young children's early mathematics knowledge and processes through quality real world learning experiences and supportive learning environments from birth and into primary contexts. You will explore the Early Years Learning Framework, the Queensland Kindergarten Learning Guideline and the Australian Curriculum in relation to mathematics education.

**EUB303 Technologies**

Equivalent s	CRB011
Credit Points	12
Campus	Kelvin Grove and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Technologies impact the lives of people globally and are essential to envisioning and developing innovative solutions to meet both current and future needs. This unit provides you with opportunity to develop knowledge and understanding

of both Digital Technologies and Design and Technologies, two distinct learning areas from the Australian Curriculum. As a future Early Childhood or Primary teacher you are required to engage with teaching and learning issues present in teaching technologies. Hence, theoretical approaches, practical experiences, and the development of communities of practice are important features of this unit. This unit also includes practical application of the ICT general capability that was introduced in previous units. This unit further develops introductory understandings of technologies covered in the Digital Pedagogies unit undertaken in your first year of study.

**EUB304 English, Literacies and Language 3**

Pre-requisites	EUB202 or EAB534
Equivalent s	EAB535
Credit Points	12
Campus	Kelvin Grove and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit builds on the content of earlier units, English, Literacies and Language 1 and 2. The unit is at the mastery stage of your course, and focuses on broadening knowledge and understandings about the current context of education in relation to literacy and English in prior to school and primary school settings. The unit provides a space for you to build informed opinions

about important issues and to practice articulating these opinions professionally and confidently.

### EUB305 HASS Curriculum Studies 1: Geography and Civics

Equivalent s	CRB004
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit introduces key concepts and skills foundational to geography and civics education in the early childhood and primary years. The unit distinguishes children as critical thinkers and active and informed citizens who can develop perspectives about global issues and sustainable futures. This unit will develop your knowledge of curriculum documents (Australian Curriculum (F-6), the Early Years Learning Framework and the Queensland Kindergarten Learning Guideline) and prepare you with the pedagogies to teach geography/civics to diverse learners. In particular, the unit focuses on using ICTs and embedding literacy and numeracy strategies. Additionally, the unit uses data to inform practice developing skills learnt in EUB343. This third year unit is the first HASS unit but further develops pedagogical and assessment practices from earlier units. The second HASS unit HASS Curriculum Studies 2: History

and Civics builds on the knowledge and skills introduced in this unit.

### EUB306 Primary English Curriculum Studies 3

Pre-requisites	EUB209 or CRB005
Equivalent s	CRB006
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit provides an understanding of the skills and processes for studying Primary English Curriculum. You will engage in and master the use of research to guide, inform and reflect on practices necessary for teaching literacy in the context of English curriculum and for unit planning. You will study literacy theories including critical literacies, visual literacies, and philosophical perspectives on pedagogical practices and how these apply to English curriculum planning. In the context of a real world diverse class profile you will develop unit planning skills and day-to-day planning skills and strategies that encompass the complexities of primary English curriculum. This unit supports the mastery of understandings that have been developed in previous studies of English curriculum in Primary English Curriculum Studies 1 & 2 (EUB110 & EUB209). This unit will assess your mastery of the English curriculum content including teaching & learning strategies.

### EUB307 Primary Mathematics Curriculum Studies 3

Pre-requisites	EUB208 or CRB008
Equivalent s	CRB009
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Mathematical thinking and reasoning are ubiquitous in, and fundamental to our daily life and work. This unit introduces an inquiry pedagogical approach, which integrates across mathematical content strands and makes the learning meaningful by connecting it to real world applications. Problem solving and posing, and mathematical modelling are the core activities in this unit.

### EUB309 Performing Arts Education

Equivalent s	EAB538
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Performing arts has distinct pedagogical and curricular orientations, including play based approaches. Through music, movement/dance, performance-based media, imaginative play, story and drama, children are provided with ways to experience, understand, appreciate and respond to their worlds, as they develop visual, aural, bodily-kinesthetic and aesthetic literacies. This unit explores key ideas, concepts and understandings about effective



curriculum, pedagogy, performing arts works and assessment in the performing arts in primary education. Your work in this unit will be linked to national and state curricular documents: Arts Strands. This is an authentic assessment because it introduces you to sequential planning in the performing arts. Performing arts activities do not usually last for a single lesson so you are able to understand how to connect different performing arts strands across an extended time frame.

### EUB310 Teaching EAL/D Learners

Anti-requisites	LCB004
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Teaching English as an additional language/dialect (EAL/D) introduces key concepts and skills that are foundational to understanding, engaging and supporting English language learners in education contexts. This unit relates to teachers' professional work in knowing diverse learners and planning quality differentiated teaching practice for learners who are acquiring English as an additional language. This unit is at the developed level of the course, and supports the knowledge and orientations that you explore in other units. In particular, it complements curriculum knowledge and skills that you are learning about through other units

studied.

### EUB320 Curriculum, Pedagogy and Assessment 2: English

Pre-requisites	EUB220 or CRB200
Anti-requisites	CRB201, CRB203
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This English Curriculum Studies unit develops your understanding of English curriculum content, pedagogy and assessment, focusing on senior secondary (yrs 11-12) English. Building upon your learning in EUB220, & prior to your final year of professional experience, this unit will explore the Queensland senior syllabus for English in depth, to recognise its implicit informing theories and explicit program specifications. Other senior English syllabuses for Queensland will also be explored. Exploration of a selection of subject-matter from across Years 11-12 will provide the basis for you to extend your topic-specific pedagogical knowledge, & to develop your ability to design and provide feedback on summative assessment tasks. You will apply your understanding of subject matter and topic specific pedagogical and assessment knowledge to the marking of a summative assessment task & associated teaching & learning plans suitable for use in a senior secondary classroom.

### EUB321 Curriculum, Pedagogy and Assessment 2: Mathematics

Pre-requisites	EUB221 or CRB204
Anti-requisites	CRB205, CRB207
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Mathematics is an intellectual discipline in which problems are explored and solved through observation, reflection and logical reasoning. This unit further develops your understanding and skill in regard to mathematical curriculum, pedagogy and assessment knowledge. Building upon your prior learning experience, this unit will explore the subject-matter and summative assessment practices including instrument specific marking guides (ISMGs) used in the senior (Years 11-12) mathematics syllabi.

### EUB322 Curriculum, Pedagogy and Assessment 2: History

Pre-requisites	EUB222 or CRB208
Anti-requisites	CRB209, CRB211
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit further develops your understanding and skill in regard to History curriculum, pedagogy and assessment knowledge. Building upon your learning about the principles and practices of contemporary history pedagogy in EUB222,



and following your second professional experience, this unit will explore the subject-matter and summative assessment practices for Years 11-12 in the Senior Modern and/or Senior Ancient History syllabi in the Queensland context. The exploration of a selection of subject-matter from across Years 11-12 will provide the context for you to extend your pedagogical knowledge and to develop your ability to design and provide feedback on summative assessment tasks. You will apply your understanding of subject-matter, topic and discipline-specific conceptual pedagogical and assessment knowledge to the marking of a summative assessment task and associated teaching and learning depth-study plans suitable for use in a senior secondary classroom.

### EUB323 Curriculum, Pedagogy and Assessment 2: Geography

Pre-requisites	EUB223 or CRB212
Anti-requisites	CRB213, CRB214
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit further develops your understanding and skill in regard to geography curriculum, pedagogy and assessment knowledge. Building upon your learning in EUB223 Curriculum, Pedagogy and Assessment 1: Geography and following your second professional experience, this unit will explore the subject-

matter and summative assessment practices used in Years 11-12 geography syllabi in the Queensland context. The exploration of a selection of subject-matter from across Years 11-12 will provide the basis for you to extend your topic-specific pedagogical knowledge and to develop your ability to design and provide feedback on summative assessment tasks. You will apply your understanding of subject-matter and topic-specific pedagogical and assessment knowledge to the marking of a summative assessment task and associated teaching and learning plans suitable for use in a senior secondary classroom.

### EUB324 Curriculum, Pedagogy and Assessment 2: Science

Pre-requisites	EUB224 or CRB215
Anti-requisites	CRB216, CRB218
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit develops your understanding of the theory and practice of curriculum and assessment design in senior science (Years 11 and 12). It focuses on the knowledge and skills required to design contextualised lesson sequences and assessment instruments, which comply with new QCAA syllabus specifications while catering for 'real world' school and learner characteristics. You will learn how to build upon the syllabus

structure and topic outlines by incorporating contexts, resources and examples of pedagogical content knowledge appropriate to authentic school scenarios. The unit builds on content taught in EUB107 concerning the fundamentals of curriculum and assessment, as well as the knowledge developed in EUB224 regarding the syllabus documents specific to your chosen senior science subject (i.e., Biology, Chemistry, Earth and Environmental Science, Physics, etc.).

### EUB343 Professional Experience: Informing Professional Practice

Pre-requisites	(EUB241 or EUB242 or EDB171) and a recorded attempt of both components of LANTITE and 180 Credit Points.
Anti-requisites	EDB150,EDB173,EUB343
Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP3 <b>External</b> - 5TP3

This staged 12cp unit encompasses EUB343-1 (6cp) and EUB343-2 (6cp). This unit focuses on developing the professional knowledge and practices associated with evidence of learning and evidence of impact. You will gain an understanding of and develop strategies for assessing, providing feedback and reporting on student progress, including quality assuring teacher judgements of student achievement. Data management, interpretation

and analysis skills will be introduced, and factors that influence the measures of student performance, for example the National Assessment Plan. In EUB343-2 you will participate in a sustained professional experience. Learning in this unit will be related to preparing for and reflecting on the time you will spend in a school. You will also focus on developing skills and practices for professional resilience, specifically, personal wellbeing.

**EUB350 Asia in Focus**

Equivalent s	CRB112
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit provides the opportunity to engage with a range of physical and human geography topics with Asia as the focus. A regional geography approach is used to explore and understand the features, elements and characteristics of the human and physical landscapes as well as the interconnection between Asian nations and Australia. A case study approach is used with topics include sustainability and liveability of places; natural and ecological hazard zones and the risks in these zones; population, urbanisation and the emergence of megacities; the unique and diverse physical environments and the relationships people have with places across Asia. Utilising a range of geographical

technologies, this unit provides valuable analytical skills, including spatial analysis, that are valued in a range of professions including regional planning, foreign affairs, journalism, environmental management, emergency services, hazard management, resource management and global security.

**EUB351 Space, Population and Territory**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit focuses on three interrelated concepts that are foundational to the discipline of geography: space, population and territory. You are invited to examine the historical and contemporary environmental, economic, political, social and cultural factors that shape these concepts. You will engage in the examination of the practical and concrete impact that ideas about space, population and territory have on lived everyday life at both a local and global level and the implications for sustainable planning for the future. In this unit, which is placed towards the end of your course, you will be able to draw on, extend and contextualise knowledge and skills that you have acquired in your earlier discipline and curriculum studies in geography.

**EUB352 Medieval Europe and the World**

Equivalent s	CRB115
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Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit traces the evolution of Europe from the barbarian invasions of the 5th century, through the Carolingian period and the Crusades, to the centuries usually defined as the High Middle Ages. On a thematic level, the unit selectively examines topics concerned with political, religious and intellectual developments, along with the cultural history of Medieval Europe. You will develop an understanding of how events and forces have contributed to societal, political and cultural change in Europe in Medieval times. The Middle Ages constitute a crucial period in the formation of a European identity. The breakdown of the Roman world saw the gradual emergence of a Christian civilisation of striking originality. At the same time, it gave rise to political fragmentation, as well as to national characteristics and antagonisms that are still part of the European scene today. The content of this unit offers you understandings of issues that are still of central concern in our society.

**EUB353 China and its Region**

Equivalent s	CRB106
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1

The unit provides you with the knowledge of how China, formerly a Dynastic Empire, was disempowered by Western Imperialism, only to obtain independence through the governmental embrace of Communism. The role of powerful individuals in determining China's destiny, and an understanding of how the country's fortunes changed over time are additional features of the content. To enhance understanding, and for comparative purposes, the unit also examines significant events in the history of nearby Asian countries. Through appreciating the circumstances and personalities that have shaped China and its neighbours, you will be able to more readily and articulately analyse and interpret major events taking place in China and its region today.

### EUB355 Uncertain Situations

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Probability and statistics are used to describe and analyse phenomena involving uncertainty, and this unit will promote contemporary perspectives on these topics. Building on ideas from your first discipline unit, you will be equipped with understanding and skills to solve problems and communicate ideas and findings related to this often misunderstood areas of the mathematical sciences.

### EUB356 Mathematics in Everyday Contexts

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Applying mathematics and statistics to investigate real world phenomena and solve related problems is considered by some to be the ideal way to engage learners in mathematics and to illuminate for them, the most difficult ideas. In this unit you will draw on mathematical and statistical techniques of preceding discipline units, applying them to real world problems from a variety of contexts.

### EUB401 Teaching Learners with Complex Learning Profiles

Pre-requisites	EUB207
Anti-requisites	LCB006
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit will cover targeted strategies for learners with complex learning profiles in inclusive classrooms in prior-to-school and formal school contexts. This unit focuses on why, when and how to make adjustments in accordance with the Disability Standards for Education 2005, and how to do so in partnership with parents/carers and in collaboration with relevant external professionals and teacher aides. The learning in this unit will develop your understanding of learners with

complex learning profiles and your capability to plan and enact supplementary, substantial and extensive adjustments to curriculum, pedagogy and assessment within inclusive classrooms in prior-to-school and primary school contexts. The unit is offered at the mastery stage of the course to develop your ability to teach learners with complex learning profiles. It builds on your learning in EUB207 and is related to other units covering pedagogical and curriculum approaches.

### EUB402 Early Childhood Research and Evaluation

Equivalent s	EAB516
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit focusses on research and evaluation for diverse early childhood education settings. Research and evaluation knowledge and skills are important for educators as they enable them to take a scholarly approach to researching topics of interest in the field. This also enhances contemporary early childhood professional practice in the area of evaluating and improving teaching and learning programs. These skills and knowledge allows educators to use rigorous data collection and analysis approaches, high level research literacy skills, and ethical approaches to answer questions such as 'what works,

for whom, and how?' This unit is at the mastery level of the course and draws on research literacy skills and critical and evaluative thinking introduced and developed earlier in the course. The skills learnt in this unit support the Quality Teaching Performance Assessment in the capstone unit of the course.

### EUB403 HASS Curriculum Studies 2: History and Civics

Equivalent s	CRB003
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit further develops key foundational concepts, content and skills of history, civics and citizenship education in the prior-to-school and primary school years. This mastery level unit assumes professional familiarity with the structure and intent of the Australian Curriculum (F-6) HASS, the Early Years Learning Framework and the Queensland Kindergarten Learning Guideline. It distinguishes young children as competent, involved learners who develop and experience perspectives about the past. In prior-to-school and primary school contexts, learners investigate challenging topics to enable them to become critical thinkers and active and informed citizens. As such, educators in the early childhood and primary years engage with children, families and communities that help them understand the role of

history, civics and citizenship in society. Such knowledge develops an informed and critical understanding of the past and allows better understandings of the present and the future.

### EUB404 Leadership, Management and Advocacy

Equivalent s	EAB515
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP08A

In this unit you will explore essential elements of quality early childhood education and care, including leadership, management and advocacy. These are essential when building strong, respectful and meaningful relationships with children, families and staff. Understandings of leadership, management and advocacy from diverse, contemporary and cultural perspectives, enable early childhood educators to work optimally with diverse children, families and communities in varying early childhood contexts. Through exploring leadership and management theories and approaches to advocacy from contemporary research and literature you will expand upon and master your existing skills. Advocacy and its capacity to affect change and growth is integral to the unit. Social justice, ethics, and equity are explored as effective principles for the successful leadership and management of early childhood services.

### EUB405 Teaching EAL/D Learners

Anti-requisites	LCB004
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Teaching English as an additional language/dialect (EAL/D) introduces key concepts and skills that are foundational to understanding, engaging and supporting English language learners in prior-to –school and primary school contexts. This unit relates to teachers' professional work in knowing diverse learners and planning Quality Differentiated Teaching Practice for learners who are acquiring English as an additional language. As a fourth-year unit at the mastery level of the course, this unit supports the knowledge and orientations that you explore in other units. In particular, it complements curriculum knowledge and skills that you are learning about through other units studied. Additionally, the unit helps you to understand the role of external professionals and community representatives in broadening teachers' professional knowledge and practice.

### EUB406 Stepping Out/ Quality Teaching Performance Assessment

Pre-requisites	Successful completion of 384cp in (ID22 or ID24 or ID25)
Co-	EUB445 or EUB444-2



## Units

requisites	
Anti-requisites	EDB174
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP2, SEM-1, SEM-2 <b>External</b> - 5TP2, SEM-1, SEM-2

The unit provides a means of transition from pre-service teachers to the role of a professional educator capable of working across diverse contexts and settings. This unit contributes to the capstone for your pre-service teaching degree and connects all of your prior university learning experiences through a three-day professional learning conference held in Orientation Week (Semester 2). The conference engages educational leaders and practising professionals to present sessions designed to equip you for transition to the education field and access to employment options. The final year Quality Teaching Performance Assessment (QTPA) is a course requirement that is situated within this unit. The QTPA is an assessment of teaching performance that is designed to measure your knowledge, skills and ability in relation to the Graduate level of the Australian Professional Standards for Teachers. The QTPA is based on a learning sequence around a discipline-specific area.

### EUB407 Health and Physical Education: Wellbeing, Families and Communities

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP08A

This unit prepares you to teach health education (wellbeing) in the primary school context. Student wellbeing is a central focus for learning, with both policy and the Australian Curriculum stating the importance of such teaching and learning. You will develop pedagogical knowledge on anti-bullying frameworks and pedagogies, diversity (including sex, gender, sexuality and culture), respectful relationships, and safe and responsible choices. Effective teaching and learning practices will be based in anti-oppressive education theory. This unit supports the introduction of the health and physical education curriculum with a focus on the personal, social, and community health strand.

### EUB408 Integrated Curriculum: Bringing it all Together

Equivalent	CRB007
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Integrated units of teaching and learning are popular strategies for intellectually challenging learning in primary education. Teachers are required to have a deep understanding of disciplinary connections and options for

integrated assessment. Real world learners and their contexts provide a platform for integration. This mastery level unit investigates ways of translating theory into professional practice for integrating curriculum, including demonstration of a broad range of disciplinary content knowledge. You'll have opportunities to appreciate the complexity of integrated curriculum and assessment and consider different approaches to integrating curriculum. The focus for learning includes the study of multiliteracies designs for learning and pedagogy, planning models, general capabilities, and cross-curriculum priorities and literacies. You'll reflect critically on the affordances and barriers of a best practice integrated curriculum approach and real-world applications.

### EUB420 Curriculum, Pedagogy and Assessment: Innovation

Pre-requisites	EUB320 or EUB321 or EUB322 or EUB323 or EUB324 or XNB399 or CRB201 or CRB205 or CRB209 or CRB213 or CRB216 or CRB203 or XNB391 or CRB207 or CRB211 or CRB214 or CRB218
Anti-requisites	CRB202, CRB206, CRB210, CRB217
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Secondary school teachers need a range of understandings and skills to be effective practitioners in the complex social and

technological environment of the classroom. The policy and practice environment of schooling provides many challenges for the graduate teacher. Grounded in your classroom experiences, this independent inquiry unit at the end of the curriculum, pedagogy and assessment suite will provide you with an opportunity to identify an area of interest related to secondary school curriculum, pedagogy and/or assessment. You will explore your area of interest with assistance and feedback from your tutor.

#### EUB444 Professional Experience: Transition to Professional Practice

Pre-requisites	One of (EUN304, EUN305, EUN306, EUB320, EUB321, EUB322, EUB323, EUB324, XNB399).
Co-requisites	EUB406
Anti-requisites	EUB444, EUB445
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This staged 24cp unit encompasses EUB444-1 and EUB444-2 and can be studied concurrently, or consecutively. In this unit you will undertake an extended placement which provides you with an opportunity to gather evidence, reflect, focus and synthesise your knowledge as you prepare to enter the teaching profession. During this capstone unit, you will take increasing responsibility for planning, teaching and

assessing learning and will plan, implement and evaluate collaboratively with your supervising teacher. The unit content and professional experience combine to provide you with purposeful reflection opportunities for you to consolidate your teaching practice and further shape your emerging identity as a beginning teacher.

#### EUB444 Professional Experience: Transition to Professional Practice

Pre-requisites	(EUB343 or EUB343-2 or EDB173 or EDB150) and successful completion of both components of LANTITE
Co-requisites	
Anti-requisites	EUB444, EUB445
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP3

This staged 24cp unit encompasses EUB444-1 and EUB444-2 and can be studied concurrently, or consecutively. In this unit you will undertake an extended placement which provides you with an opportunity to gather evidence, reflect, focus and synthesise your knowledge as you prepare to enter the teaching profession. During this capstone unit, you will take increasing responsibility for planning, teaching and assessing learning and will plan, implement and evaluate collaboratively with your supervising teacher. The unit content and professional experience combine to provide

you with purposeful reflection opportunities for you to consolidate your teaching practice and further shape your emerging identity as a beginning teacher.

#### EUB445 Professional Experience: Transition to Professional Practice

Pre-requisites	EUB444 and one of (EUN304, EUN305, EUN306, EUB320, EUB321, EUB322, EUB323, EUB324, XNB399)
Co-requisites	EUB406
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This final professional experience will strengthen your professional practice at the Graduate level of the APSTs. A 25 day professional experience provides you with an opportunity to gather evidence, reflect, focus and synthesise your knowledge as you prepare to enter the teaching profession. Your emerging teacher identity will be further developed as you move from pre-service teacher to a beginning teacher. This mastery level unit will also focus on developing skills and practices for professional resilience, specifically, managing emotions. If you are an early childhood or primary student your chosen primary specialisation will relate to this final professional experience.

**EUB450 Geography in the Field**

Equivalent s	CRB114
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides an opportunity to develop fieldwork design skills as well as practical fieldwork skills for gathering data, making observations, and recording information in the field. Fieldwork is carried out in both urban and natural environments within the Greater Brisbane area. Ways of representing and analysing data gathered in the field will provide the opportunity to develop cartographic, graphic and analytical skills. You will propose, design and carry out your own fieldwork and report on your findings. The skills developed in this unit are relevant to a wide range of professions within the geography, science and education fields that rely on project design, data collection and analysis and analytical reporting, including proposing action to identified geographical challenges.

**EUB451 Australia, Britain and America**

Equivalent s	CRB117
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit focuses on British and American social and political influences on Australian foreign

policy and social attitudes since 1900. It investigates Australia's, America's and Britain's relationships with Asian countries through involvement in war. The content examines World War 1, the interwar-years, World War 2 and the post-World War 2 period. A secondary objective is to examine the fight for independence and democracy, particularly in a number of former colonial countries. Before World War 2, reverence for the British Empire and appreciation of its protection influenced Australian attitudes and governmental decision-making. Most Australians seldom questioned this close relationship. During and after World War 2, America became Australia's great and powerful friend - and the influence of Britain diminished. Nevertheless, public affection for the mother country did not dissipate so quickly. Learning experiences and assessment align with QCAA and ACARA expectations.

**EUB452 STEM Investigation Project**

Equivalent s	CRB047
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Practitioners of the sciences almost always require an ability to define problems, formulate justifiable questions, develop investigation methods that are rigorous and evidence-based, interpret data, and communicate findings verbally

and in writing. This unit will build on foundational and specialist discipline knowledge gained throughout your units of prior study. This unit prepares you to think critically about an important problem related to Science, Technology, Engineering and Mathematics (STEM) and to integrate the knowledge gained through earlier units to provide an effective solution. During this project you will critically analyse and reflect on your work and that of your peers, you will gain a deeper understanding of scientific methods and/or mathematical modelling and reasoning, and will become confident in applying them.

**EUN101 Supporting Innovative Pedagogy with Digital Technologies**

Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 6TP2 <b>External</b> - 6TP2

This unit focuses on using digital technologies as a general capability across early childhood, primary and secondary education contexts, while emphasising the importance of ethical use of digital technologies on new and innovative approaches to teaching and learning. General capabilities are common across all three cohorts as part of the Australian Curriculum. Digital technologies play an essential role in how individuals work, live, play and learn. It is imperative for

educators to understand how to use digital technologies to support and enhance student learning experiences. This six week unit provides you with theoretical and practical approaches to using innovative digital technologies in the classroom, while ensuring that you have the pre-requisite knowledge and skills to apply the essential learnings of digital pedagogies to units in this course. You will be introduced to the eportfolio which you will then build upon in subsequent units.

**EUN102 Child and Adolescent Development**

Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 6TP3 <b>External</b> - 6TP3

This introductory six week unit provides you with knowledge about major theories and processes of child and adolescent development. The unit focuses on theories of child and adolescent development, along with biological sequences for physical, social, emotional, cognitive, and speech and language development, from birth to adolescence. Through engagement with relevant theories and research, you will develop the ability to analyse and synthesise ideas about child and adolescent development and begin to consider how these impact children and adolescents as learners in family and educational contexts. This

foundational knowledge will be applied in curriculum units throughout your degree program that focus on how teachers interpret and respond to a child/adolescent's individual characteristics and abilities in the planning and implementation of appropriate educational opportunities.

**EUN103 Teaching EAL/D Learners**

Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 6TP3 <b>External</b> - 6TP3

Diversity in the Australian population, including people from different religions, cultures, language and socio-economic backgrounds (including Aboriginal and Torres Strait Island peoples, migrants and refugees) collectively referred to as EAL/D, means teachers need specific knowledge, dispositions and skills to understand, engage and support those learning Standard Australian English. Curriculum is taught through English language and teachers are expected to understand the diverse abilities of learners. Teachers provide effective scaffolding to respond to the rich language environments of children and families, along with the language demands of specific discipline areas in school-based curriculum. This six week unit will equip you with effective strategies for teaching language aspects, including language

development and skills of speaking, listening, reading, writing, vocabulary and grammar, with learners whose first language or dialect is not Standard Australian English.

**EUN104 Culture Studies: Indigenous Education**

Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 6TP2 <b>External</b> - 6TP2

The Australian Curriculum and Assessment Reporting Authority identifies Aboriginal and Torres Strait Islander histories and cultures as one of the three cross-curricular priorities to be embedded across all key learning areas. Further, improving Indigenous education outcomes has been recognised as a national priority through the Close the Gap strategy. This introductory six-week unit begins with an analysis of your own cultural place in the Australian context and moves toward understanding Aboriginal and Torres Strait Islander perspectives on history and contemporary issues in education. You will examine why Aboriginal and Torres Strait Islander children and students have been disadvantaged by the Australian education system. The unit introduces theories in relation to cultural standpoint, decolonisation and race and supports the development of informed approaches for practice in Aboriginal and Torres Strait Islander



education.

### EUN105 Teaching in New Times

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit introduces you to new and emerging configurations of society, culture, economy, politics, and technology -- the 'new times' in which education today is practised. The implications of these new arrangements for education in early childhood, primary, and secondary settings are both widespread and far-reaching. Oftentimes, they are codified in policy. In this unit, you will develop a knowledge of these contemporary and emerging configurations and an insight into programmatic - policy - endeavours to marshal education in their name. Your learning will be informed by advanced disciplinary knowledge drawn from the sociology and history of education, and by the development of research skills applied to education's professional, ethical, and inclusive programs, policies and practices. This is an AQF-level 9 unit.

### EUN106 English, Language and Literacies 1

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

The Early Years Learning Framework and Primary English curriculum provide key contexts for the development of literacy skills and knowledges. Literacy is an area of concern for all early childhood and primary teachers, and comprises the largest proportion of daily learning. In current times it is vital for all learners to understand and work with texts across a variety of modes, therefore oral language, print reading and writing are key components of this unit. There will be a focus on the teaching of phonics, speaking (oral language), listening, spelling, reading fluency, reading comprehension, viewing and assessment of these vital English skills, drawing on current learning frameworks and curriculum documents. Elements of this unit interconnect with EUN201. A further aim of the unit is for you to develop your own academic, personal and professional literacy capabilities.

### EUN107 Mathematics and Numeracy 1

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

The development of mathematics knowledge, skills and applications across a wide range of situations is critical for your development as an early childhood or primary teacher. Mathematics knowledge and skills are included in your

course because you will develop theoretical and practical knowledge to support learners as they learn to become numerate. This unit provides you with the foundations of two strands of the Australian Curriculum: (i) Mathematics - Number and Measurement, (ii) Proficiencies early numeracy is also explored in relation to the Early Years Learning Framework and the Queensland Kindergarten Learning Guideline. Work in this unit will be added to your eportfolio that you started in EUN101. You will develop your confidence and capacity to teach Number and Measurement and their interconnections with other curriculum areas, educational contexts and wider society.

### EUN108 Science Curriculum and Pedagogy

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Science is necessary for understanding the world around us. From birth onwards, children actively explore their environment and try to make sense of their world. You will enhance your content knowledge, particularly in the areas of biology, chemistry, physics and earth and space science, through your participation in inquiry-based and hands-on learning activities. This will be integrated with pedagogical and curriculum knowledge to

enhance your repertoire of instructional approaches, and to develop your pedagogical content knowledge for teaching to all learners. This unit will build on theories of teaching and learning from previous units including literacy, numeracy, and digital literacies, and will provide you with the knowledge and skills to develop and implement age-appropriate science learning experiences. If you selected Science as your primary specialisation, it is recommended you take *EUN303: Science Primary Science Specialisation 1* alongside this unit.

**EUN109 Inclusive Teaching for Diverse Learners**

Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 6TP4 <b>External</b> - 6TP4

Within the current policy and legislative context in Australia, teachers are required to respond to the needs of diverse learners and offer support through a multi-tiered response model, which integrates Quality Differentiated Teaching Practice and levels of adjustments for diverse groups of learners. The Australian Curriculum and The Early Years Learning Framework have been designed to enable flexibility and to ease adjustments to facilitate access using the principles of Universal Design for Learning, to meet the needs of all

learners. This six-week unit will develop your understanding of the fundamental concepts underpinning international and national policy and legislation, and your ability to apply inclusive teaching strategies across all educational contexts, to cater for diversity, including learners with disabilities and gifted and talented learners.

**EUN110 Teachers as Leaders and Entrepreneurial Thinkers**

Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP6 <b>External</b> - 5TP6

Teachers require knowledge of leadership types, leadership styles and approaches as a framework for working collaboratively and optimally with a diverse range of people, communities and online professionals. Understandings of how management structures impact on programs and service provision shows how and why organisations function in particular ways. These leadership and management insights enable you to participate effectively as part of a team of staff and to influence and lead decisions in early childhood settings and schools for children, families, staff and the community. This six-week unit provides you, as a potential leader in education, and in your career as a teacher, with knowledge of entrepreneurial education, and develop an entrepreneurial mindset which will enable you to develop these qualities in

your students and in your organisation. It will aid understanding of legislative, administrative and organisational policies and processes required for teachers and leaders.

**EUN120 Curriculum and Pedagogy 1: Foundations**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

The curriculum and pedagogy suite of units prepares you with necessary knowledge and skills to design and teach engaging and meaningful learning experiences for your students. This unit develops introductory-level knowledge of curriculum theory, of the Australian Curriculum's intentions and organisation, principles that underpin pedagogical practices; and will develop skills in the planning of learning experiences aligned to the intentions and content of the Australian Curriculum. You will begin to translate important ideas, learnt into planned classroom practice and will learn with a group of peers from a variety of discipline backgrounds. You will develop an appreciation of the complexity and inter-relatedness of the different learning areas and of the potential for designing learning experiences to address broader imperatives. You will become familiar with curriculum documents relating to your chosen teaching areas.

## Units

especially in Years 7-10.

### EUN121 Curriculum and Pedagogy 2: Planning

Pre-requisites	EUN120
Co-requisites	EUN122
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

In conjunction with EUN122, this unit will extend upon your foundational knowledge of curriculum and pedagogy developed in EUN120. This unit will prepare you to design a series of engaging learning experiences for students in junior secondary classes. The unit is designed to provide a common thread of readings and learning forums for students in all teaching areas to grasp the key commonalities and differences between various school subjects and their curriculums. There are also weeks that involve studying your first teaching area in depth with a curriculum expert, to allow a focus on discipline-specific traditions and practices. Your knowledge and skill will be further developed in future units in which you will consider learning in senior secondary settings. Work in this unit will be added to your eportfolio that you started in EUN101.

### EUN122 Curriculum and Pedagogy 3: Assessment

Pre-requisites	EUN120
Co-	EUN121

requisites	
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

In conjunction with EUN121, this unit will extend upon your foundational knowledge of curriculum and pedagogy developed in EUN120. This unit will provide you with a theoretically framed opportunity to deeply explore the assessment intentions and subject matter of the junior secondary curriculum (Years 7-10). Through the unit's structured learning activities you will develop knowledge and skill in the design of responsive and valid assessment within associated learning sequences. As you develop your skills in assessment (diagnostic, formative and summative, and informal and formal) and planning, you will consider principles of authentic assessment and Quality Differentiated Teaching practice; and the implications that assessment data will have upon your teaching, preparing you for your first and subsequent professional experiences. Your knowledge and skill will be further developed in future units in which you will consider learning in senior secondary settings.

### EUN130 Professional Experience: Introduction to Professional Practice

Pre-requisites	EUN101 and (EUN106 or EUN120)
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Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit prepares you for your first professional experience placement. You'll make links between theory and practice in the field to become critically aware of the influences on a teacher's decision-making. Your beginning understandings support positive learner behaviours and children/student well-being to plan, implement and manage positive learning experiences in a diverse range of educational settings. You'll learn about verbal and non-verbal communication strategies to support student engagement and develop knowledge of practical approaches to manage challenging behaviour / strategies to support young children and students' well-being. You'll learn about student safety working within the site, system, curriculum and legislative requirements and develop your e-portfolio. It incorporates a 15 day professional experience. Early Childhood students also complete professional experience (10 days) in an Early Childhood Setting (Birth - 2).

### EUN201 English, Language and Literacies 2

Pre-requisites	EUN106 or CRN650 or EAN651
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b>

## Units

es	- SEM-1
	<b>External</b>
	- SEM-1

The Early Years Learning Framework and Primary English curriculum provide key contexts for the development of early literacy skills and knowledges. Knowledge of how language and semiotics are used to achieve different purposes for different audiences across a variety of modes and media is a high priority in English curriculum. This unit will help you set learning goals that provide achievable challenges for students of varying abilities and characteristics, especially EAL/D students (including Aboriginal and Torres Strait Islander students). You will develop your knowledge about purposes, textual features and structures of text types; how children develop skills in using written language; and how to design teaching strategies and use resources to scaffold successful application of English literacies.

### EUN202 Mathematics and Numeracy 2

Pre-requisites	EUN107 or EAN650
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

You will explore and continue to build your knowledge and skills to use the strands and their associated topics across a wide range of situations and contexts to enhance your

development as a teacher. This focus is included in your course because you will need to teach children how to become numerate and be able to make sound decisions in their lives. This unit integrates the knowledge and skills developed in the first mathematics and numeracy (EUN107) unit to provide you with the foundations of strands of the Australian Curriculum: Mathematics - geometry, algebra, statistics and probability. It seeks to build your capacity to recognise the numeracy demands across a range of contexts to assist all children to identify the interconnectedness of mathematical knowledge and its application in everyday life.

### EUN203 Wellbeing, Health and Physical Education Curriculum Studies

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This early childhood and primary wellbeing, health and physical education unit will equip you with professional knowledge, skills and dispositions for understanding pedagogically appropriate ways to implement child wellbeing, health and physical education (HPE) in before-school and primary school contexts. In addition, you will engage with and apply health and physical development related principles from the Early Years Learning

Framework (EYLF) for children aged birth-5 years, and the Australian Curriculum Health and Physical Education: Foundation to Year 6. The unit presents a clear case for adopting evidence and inquiry based principles, policies, and practices to provide relevant, engaging, contemporary, physically active, enjoyable and developmentally appropriate learning experiences for children aged birth-12 years. Work in this unit will be added to your eportfolio that you started in EUN101.

### EUN204 Humanities and Social Sciences Curriculum Studies

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit assumes familiarity with the structure and intent of the Australian Curriculum (F-6), the Early Years Learning Framework and the Queensland Kindergarten Learning Guideline. This unit focuses on the teaching/learning approaches and curriculum documents associated with Humanities and Social Sciences (HASS). There is an emphasis on the links between the theories informing history, geography and civics education and the disciplinary basis of such subjects. The unit will develop your knowledge of the relevant curriculum documents and pedagogy to teach key concepts, content and skills in history, geography, civics,



economics and business in early childhood and primary school settings. An integrated inquiry approach is used to develop students' critical and creative thinking skills and to enable them to be proactive and informed citizens. You'll participate in assessment marking and quality assurance processes and learn how to deal with parents/carers about assessment issues.

### EUN205 Arts Curriculum

Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP2 <b>External</b> - 5TP2

This unit provides you with foundation skills and knowledge to teach the Arts, including dance, drama, media arts, music and visual arts. The Arts traditionally and historically play an important part in early childhood and primary education with their potential to inspire children to reach their creative potential and to enrich their experiences in before-school and primary school contexts. This unit is about the social, emotional, cultural and educational importance of the Arts. Teaching and learning in the Arts requires ongoing construction and reconstruction of new knowledges about learners, learning and learning contexts. Relevant theories, principles and philosophies will be considered and analysed, and form the basis for developing quality Arts programs in schools and

before-school settings. At this point in the course, you'll consider the role of the Arts disciplines in education, as well as the Arts role in teaching and learning about other key learning areas.

### EUN206 Design and Technologies

Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP3 <b>External</b> - 5TP3

This unit develops your knowledge of the "Technologies" Learning Area of the Australian Curriculum and the associated pedagogy required to teach this in primary and early childhood settings. You'll learn how to develop design and computational thinking in future students, enabling them to create designed solutions to address authentic problems and opportunities. Practical experiences and communities of practice development are important features of the unit and you'll become aware of the nature of technology and technological literacy and how it connects with the knowledge and skills developed in mathematics, science and digital literacies units. You'll explore and develop skills to teach the Technologies learning area in early childhood and primary education. You'll learn how to teach students to use critical and creative thinking in design processes, develop and evaluate technologies that create

solutions to complex challenges, contributing to sustainable patterns of living.

### EUN211 Understanding Adolescent Learners

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit further develops your knowledge of the developmental, socio-emotional and learning characteristics of adolescent learners in secondary school classrooms. It is aimed at developing your knowledge and understanding of current research and evidence around adolescent development and learning and makes explicit links to practical applications within classroom practice. This unit will explore evidenced based approaches to effectively maximise learning engagement and outcomes for adolescent learners in the classroom.

### EUN221 Curriculum and Pedagogy 4: Senior A

Pre-requisites	EUN121 and EUN122
Co-requisites	EUN222
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Teachers of senior secondary school need a range of knowledge, understandings and skills to be effective

practitioners in the classroom. Situated in the second year of the course, this unit builds on your introductory curriculum work in EUN120, EUN121 and EUN122 and applies it to the senior years of schooling. The unit focuses on the requirements of official senior syllabi with regard to teaching, learning and assessment in discipline-specific subjects in years 11-12 and introduces you to the ways in which their philosophical bases, principles and pedagogical requirements can be interpreted into meaningful classroom practice. The unit proposes that effective teaching in the senior years results from the integration of theory and practice and through continual critical reflection. It encourages you to shape your own discipline-specific pedagogy together with your personal teaching philosophy.

### EUN222 Curriculum and Pedagogy 5: Senior B

Pre-requisites	EUN121 and EUN122
Co-requisites	EUN221
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Situated in the second year, this unit builds on and deepens your previous curriculum work in EUN120, EUN121, EUN122 and EUN221, by focusing on the senior years of schooling (years 11 and 12) with a particular emphasis on assessment. The unit extends

your knowledge of the philosophical bases, principles and pedagogical requirements of official senior syllabi. It provides further opportunities for you to interpret your relevant syllabus into meaningful classroom practice that reflects authentic discipline-specific teaching, learning and assessment in Queensland, while taking into account social and cultural contexts as well as the diversity of learners. The unit emphasises that effective teaching in the senior years' results from the integration of theory, practice and continual critical reflection. It encourages you to enhance your discipline-specific pedagogy with your personal teaching philosophy.

### EUN223 Curriculum and Pedagogy 6: Learning Project

Pre-requisites	EUN221 and EUN222
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This capstone unit provides you with opportunities to draw on the skills, knowledge and resources you have developed over this course to research and plan an independent curriculum and pedagogy project aligned with one or both of your teaching areas. The scope of the project will be negotiated with teaching staff, though options may include investigating a topical curriculum-related issue, a resource or program for

classroom use, or critically examining an education context or policy area. As a culminating unit in this course, EUN223 encourages you to integrate and apply your understandings from completed units in the process of researching and planning how your project can be implemented in a way that shows how you have taken these understandings forward as a classroom-ready teacher. You are expected to demonstrate a high level of autonomy, to synthesise your understandings of theory and practice and to reflect on your own development as an educator.

### EUN231 Professional Experience: Transition to Professional Practice

Pre-requisites	EUN231-1 and (one of EUN301, EUN302, EUN303, EUN222) and successful completion of both components of LANTITE. EUN231-1 can be studied in the same teaching period as EUN231-2.
Co-requisites	
Anti-requisites	EUN231, EUN232
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This staged 24cp unit encompasses EUN231-1 and EUN231-2 and can be studied concurrently or consecutively. In this unit you will undertake an extended placement which provides you with an opportunity to gather

evidence, reflect, focus and synthesise your knowledge as you prepare to enter the teaching profession. During this capstone unit, you will take increasing responsibility for planning, teaching and assessing learning and will plan, implement and evaluate collaboratively with your supervising teacher. You will engage as a teachers in all aspects of school life for a sustained period. The unit content and professional experience combine to provide you with purposeful reflection opportunities for you to consolidate your teaching practice and shape your emerging identity as a beginning teacher. This is a research unit as part of AQF-level 9.

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for learners in alignment with individual and group needs and interests, as well as, curriculum and professional expectations. The unit extends on your research skills to include action research in the field and you will use data collection and analysis to inform your teaching practice. The professional experience placement will enable you to deepen your understandings of the interrelationships between theory and practice. The unit incorporates a 20 day professional experience placement (25 days for EU40 students who have only previously successfully completed a 10 day professional experience unit). This is a research unit as part of AQF-level 9.

**EUN231 Professional Experience: Transition to Professional Practice**

Pre-requisites	EUN105 and EUN130 and a recorded attempt of both components of LANTITE. EUN105 can be studied in the same teaching period as EUN231-1.
Anti-requisites	EUN231, EUN232
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP3 <b>External</b> - 5TP3

This staged 24cp unit encompasses EUN231-1 and EUN231-2 and can be studied concurrently or consecutively. In this unit you will undertake an extended placement which provides you with an opportunity to gather evidence, reflect, focus and

**EUN231 Professional Experience: Informing Professional Practice**

Pre-requisites	EUN105 and EUN130 and a recorded attempt of both components of LANTITE. EUN105 can be studied in the same teaching period as EUN231.
Anti-requisites	
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit further develops your knowledge, skills and understandings of professional practice in the field. The unit focuses on enhancing your understandings of learners; creating curriculum; documenting and assessing learning; providing learners with feedback; and, planning

**EUN232 Professional Experience: Transition to Professional Practice**

Pre-requisites	EUN231 and (one of EUN301, EUN302, EUN303, EUN222) and successful completion of both components of LANTITE
Co-requisites	EUN240
Anti-requisites	
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This final professional experience unit is at the conclusion of your course and provides you with opportunities to reflect, focus and synthesise your prior university and placement experiences in

relation to the Graduate level of the Australian Professional Standards for Teachers. It allows you to measure your knowledge, skills and ability in relation to the standards and to reflect on your course experiences and prepare you to enter the teaching profession. The unit incorporates a 25 day professional experience placement (30 days for EU30 students who have only previously successfully completed 30 days of professional experience exclusive of birth-2 settings). This is a research unit as part of AQF-level 9.

**EUN240 Teachers Researching Practice**

Pre-requisites	Successful completion of 144cp
Co-requisites	EUN232 or EUN231-2
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP2, SEM-1, SEM-2 <b>External</b> - 5TP2, SEM-1, SEM-2

This capstone unit will assist you in further developing your knowledge, skills and application of contemporary research in education contexts designed to positively impact student learning. The final year Quality Teaching Performance Assessment (QTPA) is a course requirement that is situated within this unit. The QTPA is an assessment of teaching performance that is designed to measure your knowledge, skills and ability with relation to the Graduate level of the Australian

Professional Standards for Teachers. The unit links to the work previously undertaken throughout your course. Data required for the assessment of this unit must be collected during your final professional experience unit - EUN232 or EUN231-1 plus EUN231-2. If you are an EU30 or EU40 student, your Professional Practice Folder must relate to your primary specialisation. This is a research unit as part of AQF-level 9.

**EUN250 Teachers, Ethics and the Law**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit is designed to increase your understanding about the inter-relationship between teaching, ethics and the law. This will be achieved, first, by examining both of the nature of ethical judgments, and of the strengths and weaknesses of the main approaches to ethical conduct – Consequentialist Ethics, Deontological Ethics and Virtue Ethics – approaches that most of us take for granted, and employ every day. The unit will then investigate how such ethical frameworks underpin our approaches to three other associated social and educational building blocks: those of rights, justice and the law. This will not only equip teachers with a knowledge of the intricate relationship between these important

constructs, it will also illustrate some of the ways in which their professional lives are shaped by very specific legal rights and responsibilities.

**EUN251 Connected Learning in STEM**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

*Connected Learning in STEM* will develop your understanding of integrated STEM curriculum, pedagogy, and assessment theory and practice. Participation of pre-service teachers from non-STEM teaching areas is welcomed. As a small group of peers (each with differing discipline knowledge and skills), you will be provided with an authentic context in which to collaboratively develop a connected STEM learning experience. This context will involve using a design-based approach to respond to a brief provided by a partner school. The brief will outline the need for the creation of an innovative STEM learning experience that aligns to the school's ethos, pedagogical framework, and student demographic. Your group will draw upon its collective expertise to respond to the design brief by proposing a learning experience which will be presented back to the partner school at the end of the unit. In doing so, you will demonstrate your understanding of connected learning in STEM.



**EUN252 Trauma Awareness**

Credit Points	12
Campus	External
Availabilities	<b>External</b> - FP08A

This unit is designed to develop your understanding and skill in neuroscience-informed support and education of students who are living with the outcomes of complex childhood trauma (abuse, neglect, family violence, etc.). New teachers often deem student behaviour to be one of the most confronting aspects of their new careers. The behavioural concerns presented by students who are living with the outcomes of complex trauma can be significant, persistent and unresponsive to more traditional approaches to behaviour management. By examining the impact of complex trauma on the developing brain and nervous system, you'll develop your understanding of why and how these behaviours occur and explore approaches and strategies recommended to address short and longer-term concerns for students. You'll be informed and prepared for the times you are responsible for the learning and well-being of these students whilst minimising any negative impact on your own well-being or teaching practice.

**EUN301 English/Literacy Primary Specialisation 1**

Credit Points	null
Campus	Kelvin Grove and External

Availabilities	<b>External</b> - SEM-1, SEM-2
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This unit contains Modules 1-4 in the English/Literacy primary specialisation.

**EUN302 Maths/Numeracy Primary Specialisation 1**

Credit Points	null
Campus	Kelvin Grove and External
Availabilities	<b>External</b> - SEM-1, SEM-2

This unit contains Modules 1-4 in the Maths/Numeracy primary specialisation.

**EUN303 Science Primary Specialisation 1**

Credit Points	null
Campus	Kelvin Grove and External
Availabilities	<b>External</b> - SEM-1, SEM-2

This unit contains Modules 1-4 in the Science primary specialisation.

**EUN304 English/Literacy Primary Specialisation 2**

Pre-requisites	EUN301
Credit Points	null
Campus	Kelvin Grove and External
Availabilities	<b>External</b> - SEM-1, SEM-2

This unit contains Modules 5-7 in the English/Literacy primary specialisation.

**EUN305 Maths/Numeracy Primary Specialisation 2**

Pre-requisites	EUN302
Credit Points	null
Campus	Kelvin Grove and External
Availabilities	<b>External</b> - SEM-1, SEM-2

This unit is used for administrative purposes to record the outcomes of modules 5-7 in the Maths/Numeracy primary specialisation.

**EUN306 Science Primary Specialisation 2**

Pre-requisites	EUN303
Credit Points	null
Campus	Kelvin Grove and External
Availabilities	<b>External</b> - SEM-1, SEM-2

This unit contains Modules 5-7 in the Science primary specialisation.

**EUN601 Developmental and Educational Assessment**

Equivalent s	LCN625
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

The unit will provide you with a comprehensive knowledge of the process of assessment including applied issues in psychometrics, evaluation of standardised tests, interpretation of assessment information, and professional issues in assessment. The complementary nature of methods such as interviewing, observation and testing is emphasised. You will be exposed to the wide range of assessment instruments used by educational and developmental psychologists. In addition to developing a competent framework of knowledge about assessment processes and practices, the

unit aims to develop skills of a high order through the achievement of competency on one standardised instrument, the Wechsler Intelligence Scale for Children - Fifth Edition (WISC-V). This unit provides you with an opportunity for advanced study of principles and methods for assessing individual development and personal characteristics.

### EUN602 Interventions in Educational and Developmental Psychology

Equivalent s	LCN626
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit will equip you with a range of applied strategies for evidence-based prevention and early intervention within educational and developmental contexts. Practical skills need to be founded on a deep conceptual understanding of the links between assessment and intervention. The range of psychological problems which are encountered by educational and developmental psychologists requires a range of intervention responses. You need to be able to plan design, evaluate and implement a variety of prevention and intervention programs that are based on empirically supported evidence. In addition, you will gain an understanding of systems such as families, schools and organisations to apply interventions successfully within those systems.

### EUN603 Learning Difficulties: Assessment and Intervention

Pre-requisites	EUN601
Equivalent s	LCN627
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Educational and developmental psychologists often work with children, adolescents and adults who have learning difficulties. Consequently they need an understanding of learning processes and the nature of specific learning difficulties. This unit provides you with the opportunity for foundation study in the assessment of learning difficulties and methods of intervention. This unit will provide you with a sound knowledge of learning processes, and methods for assessing individuals with learning difficulties. It also introduces students to a variety of appropriate interventions for individuals with learning difficulties and associated impairments.

### EUN604 Developmental Processes and Disability

Equivalent s	LCN628
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Educational and developmental psychologists work in a range of areas where they encounter individuals with various types

of disabilities. In order to work effectively in settings such as schools, hospitals, disability services, prisons, mental health services and supported employment agencies, you need specialised knowledge, skills and understanding of developmental processes and disability across the lifespan. This unit equips you with a sound framework on which to base your professional practice. Working effectively with individuals with a range of disabilities, their families, schools and communities requires knowledge about the ways in which development may be compromised by disability, and the ways in which contextual influences contribute to developmental outcomes.

### EUN617 Managing and Organising Collections

Equivalent s	INN533 and IFN617
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

Developing, managing and organising collections are primary functions of libraries, archives, information organisations, and other collecting institutions. All information professionals - regardless of context or specialisations - must understand the principles and practices of managing and organising collections. This introductory unit focuses on identifying and meeting the information needs of diverse user groups to inform collecting

and organising practices. It provides you with an opportunity to develop understanding of practice and theory related to: collecting policies and strategies; methods for acquiring resources, developing and managing collections; and standards for resource description and organisation. The unit allows students to explore the link between user needs and collecting practices, which is critical to ensure collections are designed and delivered to meet the needs of users, and in turn, that users can make effective use of them.

### EUN631 STEM for 21st Century Learners

Equivalent s	CRZ631 EUZ631
Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 6TP2 <b>External</b> - 6TP2

STEM provides a disciplinary context through which learners of all ages, in formal and informal settings, can develop what are often referred to as 21st Century Skills, including critical and creative thinking, collaboration, communication, innovation and entrepreneurship, and digital fluency. In turn, the development of these skills supports the development and enhancement of conceptual understanding across the STEM disciplines. This unit, the first in the STEM in Education study area, introduces various

conceptual frameworks for understanding STEM in Education that will be further explored in other units of the study area. This unit will prompt you to critically reflect upon your experiences of STEM education and to identify opportunities to further support the learning of STEM and the development of 21st century skills. You will connect with peers who represent a broad cross section of STEM education contexts and who share an interest in advancing STEM education.

### EUN632 Digital Fluency for STEM Learning

Equivalent s	CRZ632 EUZ632
Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP4 <b>External</b> - 5TP4

Digital technologies are a pervasive and integral part of most societies and it is imperative that learners be afforded the opportunity to use these technologies in their learning of STEM. Learning about various digital technologies relevant to STEM teaching and learning and using technologies for online knowledge sharing will be significant parts of this unit. The exploration of digital technologies as tools for learning and the development of fluency in using these technologies underpins the critical consideration of how these technologies can be used to develop learners'

connected STEM understanding and skills.

### EUN633 Thinking in STEM

Equivalent s	CRZ633 EUZ633
Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 6TP2 <b>External</b> - 5TP6, 6TP2

STEM curricula make various references to types of discipline-specific thinking (e.g., mathematical modelling, scientific inquiry, systems thinking, computational thinking, and design thinking), as well as the more general skills of critical and creative thinking, collaboration and communication. Understanding such types of thinking supports a connected approach to STEM teaching and learning.

### EUN634 STEM Pedagogies

Equivalent s	CRZ634, EUZ634
Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP4 <b>External</b> - 5TP4, 5TP8

Productive work in the STEM fields is often associated with some form of question-posing and problem solving, and authentic STEM learning hinges on learners curiously inquiring into the world around them. Pedagogies have been developed that can be used in STEM education to promote such inquiry-oriented learning, including those that make significant use of digital

technologies to support learning. Through such learning approaches, learners not only develop understanding about STEM concepts and propose solutions to problems, but they also authentically develop various higher-order thinking skills.

### EUN635 Assessment and STEM Learning

Equivalent s	CRZ635 EUZ635
Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP6, 6TP2 <b>External</b> - 5TP6, 6TP2

Backward-design of learning involves firstly identifying the desired learning goals and establishing how the learner will demonstrate achievement of the goals, and then planning a sequence of instruction that will enable learners to develop the understanding and skills needed to demonstrate achievement of the learning goals. Taking such an approach ensures that the intentions of STEM curricula are enacted and the desired development of a connected understanding of STEM knowledge and skills, including 21st century skills, is achieved.

### EUN636 Designing for Connected STEM Understanding

Equivalent s	CRZ636, EUZ636
Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP4, 5TP8

**External**  
- 5TP4, 5TP8

There are numerous overlaps and interconnections between the content knowledge and skills of each STEM discipline, and in turn discipline-specific curricula. In this unit, you will focus on developing your ability to identify content and skill based conceptual connections within and between the STEM disciplines. From this, you will then consider defining learning goals that are aligned to the content and skills of the disciplines (including the connections you've identified), and then designing transdisciplinary curriculum and instruction that are aligned to the learning goals and which will develop your learners' connected STEM understanding and skills.

### EUN637 STEM Inquiry Experience

Equivalent s	CRZ637 EUZ637
Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP6 <b>External</b> - 5TP6, 6TP2

STEM-based industries bring together experts from the various STEM disciplines to collaboratively solve problems, including the creation of new knowledge and products. Experiencing the real-world application of STEM knowledge and skill provides a basis for the design and implementation of authentic learning that achieves the intentions of STEM curricula.

### EUN638 Applied STEM in Education

Equivalent s	CRZ638, EUZ638
Credit Points	6
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - 5TP4, 5TP8 <b>External</b> - 5TP4, 5TP8

This unit is the capstone unit of the STEM in Education study area. In this unit you will draw upon your STEM pedagogical content knowledge and skill, your knowledge of digital technology as a tool for learning, and your previous experiences of STEM problem-solving activities and work, to construct a strategic plan to advance STEM Education in your particular education context. This plan will incorporate principles and practices of STEM in Education that have been developed throughout the units of the study area, including the development of learners' transdisciplinary, connected understanding of the knowledge and skills of STEM. Your strategic plan will be aligned to relevant STEM curricula.

### EUQ640 Introductory Educational Counselling

Equivalent s	LCN636
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit will introduce you to core counselling techniques and communication skills that



underpin effective helping strategies used by counsellors in a range of helping professions. The unit will assist you to understand and use particular skills that help to increase your own self-awareness and awareness of the needs of others. The aim of effective counselling is to develop the capacity of clients to problem-solve and to work towards their goals and potential.

**EUQ641 Career Development Theory and Policy**

Equivalent s	LCN637
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

In this unit you will consider career development theory, practice, policy and research. Career development is a broad and constantly evolving field which is relevant to all individuals. Recent developments in education and employment highlight the importance for all educators and related career practitioners to be equipped to effectively prepare people for a rapidly changing world of work. This unit provides an overview of the field and an introduction to areas developed in subsequent units. The unit is designed to be studied at the beginning or close to the beginning of the overall course of studies with a career major, as it provides foundational information and scope for the other careers units which are in the Graduate Certificate and Master of

Education qualification. The breadth and depth of the material creates a solid platform on which students can build their career major and enhance their knowledge of this field.

**EUQ642 Career Development and Professional Practice**

Equivalent s	LCN621
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

In this unit you will consider lifelong learning within the context of career. You will develop knowledge and skills which will enable you to lead the delivery of career development programs to a wide ranging clientele. The importance of effective and theoretically based career programs in preparing all individuals for lifelong career decision-making has long been recognised. As a practitioner, you need to develop skills to create innovative and flexible programs which will meet individual needs and have a solid theoretical foundation as the basis of your practice. You will consider the means by which varied theories and models of career development can inform your practice. This unit will enable you to make connections between the theoretical foundations laid down in EUQ641 and the construction of effective career development programs which foster personal understandings of career, encourage individual construction of career and

which are appropriate for diverse groups.

**EUQ643 Career Counselling**

Equivalent s	LCN622
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

In this unit you will consider and critically evaluate a range of counselling perspectives in order to formulate a position with respect to your own career counselling practice. Career counselling, a key strategy in assisting individuals to understand their career decision-making, refers to an interpersonal process which may be conducted in individual or small group settings. Career counselling adopts methods of personal counselling in exploring career development issues and is increasingly being conceptualised as a learning process, with the career counsellor as a facilitator. This unit will enable you to consider traditional and emerging career counselling processes, to develop advanced skills in communication and counselling, and develop relevant aspects of ethical practice. This unit is designed to build upon the theoretical foundations which have been established in EUQ641 and will enable you to connect these theoretical frameworks to your career counselling practice.

### EUQ644 Participating in Digital Cultures

Equivalent s	LCN615
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES1, SES3

The influence of the digital domain is transforming how we understand knowledge, learning and communication. Within this context, education is permeated with increasingly sophisticated technologies, creating an environment of change, challenge and opportunity. In this unit you will consider and investigate a range of key themes underpinning digital learning to extend and enhance your capacity to participate critically, creatively and ethically within current and emerging digital cultures. Through an exploration of the digital self you will reflect upon the intentional and unintentional traces and identities created through participation in online contexts.

### EUQ645 Information Practices and Inquiry

Equivalent s	LCN616
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

Digitally networked technologies have created an environment of information abundance. As information proliferates, the capacity to locate, filter, analyse, evaluate, recontextualise and apply

information has grown in importance. This emphasis on information literacy has developed within and alongside an algorithmic culture, where technology arranges, catalogues and makes accessible information according to automated processes. In this unit you will examine the concepts of information literacy and algorithmic cultures, through a focus on inquiry learning. You will develop and enhance your information practices through an emphasis on knowledge production through problem solving and research.

### EUQ646 Learning Through Knowledge Networks

Equivalent s	LCN600
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES3

Contemporary learners are immersed in rapidly changing, highly networked environments enabled by the affordances of social technologies. These connected learning environments encourage knowledge construction through participation and collaboration, using an array of digital technologies and social media. This unit will enable you to develop conceptual and practical understandings of online social learning in participatory cultures. You will enhance your online personal learning network (PLN) by initiating, maintaining and interacting with people and resources in formal and

informal contexts. This unit will extend your engagement with knowledge networks for professional learning and the promotion of innovative learning opportunities.

### EUQ647 Designing Learning Spaces

Equivalent s	LCN601
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES2, SES4, SES4

Educators and learners engage in learning in a variety of spaces and learning environments both physical and virtual. Learning space design must respond to changes in pedagogy, access to fixed and mobile technologies, and learners' needs and attributes. Purposefully designed physical and virtual spaces contribute to the quality and outcomes of learning. In this unit you will view familiar educational environments, both physical and virtual, in different and creative ways, and develop innovative solutions to design problems for a particular learning context.

### EUQ648 Designing for Learning

Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

In this unit, learning theory will be reviewed with a focus on understanding how theory informs the design and development of adult learning.

You will review strategies and technologies that are used to engage learners and evaluate frameworks for learning design. You will collaboratively engage in a learning community with peers and facilitators to consider, explore, reflect and design appropriate learning environments.

### EUQ649 Authentic Learning and Assessment

Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES2, SES3, SES4

In this unit, you will consider the theory and practice of assessment and feedback, and the principles and practice that govern quality assessment and evaluation. You will evaluate how assessment design supports learning and how it can work in an online environment. You will work collaboratively in a learning community with peers and facilitators to design authentic assessment that is based on stakeholder requirements, using tools, media and technologies where appropriate and reflect on your own experience of assessment.

### EUQ650 Future Trends in Learning Design

Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES3, SES4

In this unit, you will build on your understanding of contemporary learning theory.

You will consider how technology might be leveraged to enhance and transform learning. You will work collaboratively in a learning community with peers and facilitators to consider emerging trends, that will shape the future of learning. You will evaluate open education resources and data analytics and consider the importance of future trends in teaching and learning.

### EUQ651 Learning Design Project

Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

This is a project-based unit that enables you to demonstrate your advanced understanding of innovative learning design in an authentic context. You will create a learning design project that applies andragogical and pedagogical design principles, authentic assessment, feedback and embeds technologies appropriately. You will also consider how to evaluate the learning design and consider factors to support learning analytics.

### EUQ652 Features of the Autism Spectrum

Credit Points	6
Campus	Online
Availabilities	<b>Online</b> - SES3A

This foundational unit discusses core features of an autism spectrum. You will examine fundamental

diagnostic features of an autism spectrum including characteristics related to social understanding, interactions and social communication, language features and flexible thinking. You will also explore restricted repetitive behaviours, interests and activities, cognitive processing, sensory processing and other learning characteristics. The unit responds to concerns about understanding learners on the autism spectrum, how they learn and how to support their full participation in learning and diverse learning contexts. You will focus on developing knowledge of core features of autism to enable you to effectively understand the learning profiles, strengths and needs of students on the autism spectrum in inclusive environments and to develop a deeper understanding of adjustments. This unit is suitable for educators, health, allied health and disability professionals.

### EUQ653 Psychological Theories of Autism Spectrum

Credit Points	6
Campus	Online
Availabilities	<b>Online</b> - SES3B

This foundational unit discusses core features of an autism spectrum, and will support you to develop deeper understanding of the psychological theories of autism. The unit discusses fundamental concepts related to the psychological theories of the autism spectrum that help you develop knowledge about

features of autism and their impact on learning. This unit responds to concerns about understanding learners on the autism spectrum, how they learn and how to support their full participation in learning and learning contexts. You will develop knowledge of psychological theories and the influence of co-occurring conditions in order to effectively understand the learning profiles and needs of learners on the autism spectrum in inclusive environments and develop a deeper understanding of adjustments that may be required in learning contexts. This unit builds on content from EUQ652 and is suitable for educators, health, allied health and disability professionals .

#### EUQ654 Context-wide Educational Supports for Learners with Autism

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

This unit focuses on evidence-based universal strategies and practices for the inclusion of learners with autism in diverse education contexts. The unit will help you to identify potential barriers to achieving successful social and academic outcomes for learners with autism and to apply evidence-based strategies to enhance their access, participation and achievement. This unit responds to educators' expressed need for more specialised knowledge and

skills to work effectively with learners on the autism spectrum and increased demand for educators with this expertise in a wide range of inclusive education contexts. This unit is suitable for educators, health, allied health and disability professionals.

#### EUQ655 Targeted and Intensive Educational Supports for Learners with Autism

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES3

This unit will respond to the high need to build the knowledge and skills of professional staff for supporting the growing number of learners with autism with complex learning profiles in diverse learning environments. The main focus of the unit is on evidence-based targeted and intensive educational strategies and practices for supporting learners with autism through small group and individualised instruction to achieve life and vocational independence. The unit will help you to build your knowledge of evidence-based strategies for enhancing the social, communication, and self-management skills of learners with autism in educational and community settings. The learning in this unit is an essential requirement for a range of positions in inclusive contexts. This unit is suitable for educators, health, allied health and disability professionals.

#### EUQ656 Supporting Relationships, Collaboration and Transitions

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

This unit responds to educators' concerns about understanding and supporting learners on the autism spectrum and their families. It focuses on developing a deeper knowledge and understanding of the importance of developing connectedness and fostering positive relationships, collaborative partnerships and supporting transitions. In this unit, you will discuss the importance of supporting connectedness for learners on the autism spectrum, their families and staff in learning contexts. You will explore strategies and practices related to supporting connectedness, a sense of belonging, relationships, collaboration and transitions in learning environments for learners on the spectrum and their families. The unit focuses on promoting connectivity in and between learning environments to support health, wellbeing and positive learning outcomes. This unit is suitable for educators, health, allied health and disability professionals .

#### EUQ657 Aboriginal and Torres Strait Islander Knowledge Societies

Credit Points	12
Campus	Online
Availabilities	<b>Online</b>



In this unit, you will develop your understanding of Aboriginal and Torres Strait Islander ways of knowing and investigate how Aboriginal and Torres Strait Islander knowledge and perspectives are represented and incorporated into a variety of Australian education experiences. This unit will assist you to interrogate the foundations of your own ways of knowing and develop your abilities to analyse the cultural contexts that underpin education practices in Australia. These understandings will contribute to the development of your own critical practice relating to Aboriginal and Torres Strait Islander education. The learning in this unit provides essential insights for professionals who design and deliver education initiatives in any field with and for Aboriginal and Torres Strait Islander people, in diverse educational contexts.

### EUQ658 Aboriginal and Torres Strait Islander Education and Policy since 1788

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

In this unit, you will develop your understanding of policy eras that have shaped the treatment of Aboriginal and Torres Strait Islander peoples since 1788, ending with a focus on present-day policy initiatives. The unit content will

specifically investigate the role of education in delivering policy intentions and the impact this has had, and continues to have, on Aboriginal and Torres Strait Islander peoples and their ways of knowing. These understandings will contribute to the development of your own critical practice relating to Aboriginal and Torres Strait Islander education. The learning in this unit provides essential insights for professionals who design and deliver education initiatives in any field with and for Aboriginal and Torres Strait Islander people, in diverse educational contexts.

### EUQ659 Global Perspectives in Indigenous Education

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES3

In this unit you will investigate the experience of indigeneity against a backdrop of colonisation and globalisation. You will apply your understanding of indigenous perspectives as they encounter a variety of education case studies from indigenous academics in other nations. They will focus on how education in diverse contexts continues to facilitate the impact that colonisation and globalisation have had on indigenous languages, cultures and identities. The learning in this unit provides essential insights for professionals who design and deliver education initiatives in any field with and for Aboriginal and Torres Strait

Islander people, in diverse educational contexts.

### EUQ660 Personal Journeys in Aboriginal and Torres Strait Islander Education

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

In this unit, you will explore the importance of cultural awareness and kinship system and how the relationships between family, country and community are essential to developing strategies of engagement and establishing healthy relationships between Indigenous and non-Indigenous people. You will critically reflect on your own cultural position and how this influences and shapes your approach to building genuine partnerships within your community. The unit introduces and engages you with contemporary theories and concepts relating to culture and race and how these can inform and support effective cross-cultural partnerships. The learning in this unit provides essential insights for professionals who design and deliver education initiatives in any field with and for Aboriginal and Torres Strait Islander people, in diverse educational contexts.

### EUQ661 Introduction to Education Research

Equivalent	
Credit Points	12
Campus	Online

## Units

Availabilities	<b>Online</b> - SES3
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This unit provides an introduction to the foundations of research in education including qualitative, quantitative and mixed research approaches. It will cover foundational knowledge such as what is empirical research, the concepts of research design, common methods, trustworthiness and validity and ethical considerations in education research. This unit will strengthen your understanding of research in education and your ability to assess the quality and trustworthiness of research in terms of design, methodology, rigour and ethical approach. This unit is designed to support you to be a critical consumer of research, enabling you to determine the value, relevance and implications of research for your professional practice.

### **EUQ662 Ethics and Integrity in Educational Research**

Credit Points	6
Campus	Online
Availabilities	<b>Online</b> - SES4A

This unit develops understanding of the ethical considerations which underpin the design, development, review, and conduct of contemporary educational research. It introduces you to the core principles and behaviours that characterise the responsible conduct of research. You will learn why research ethics and integrity

are so important, and how these issues relate to different research methodologies and special populations.

### **EUQ663 Program Logic Models for Evaluation Research**

Credit Points	6
Campus	Online
Availabilities	<b>Online</b> - SES4B

Program logic models depict the activities or actions taken in a program, and the expected short, medium, and long term outcomes expected to be achieved. For example if a school introduces a new transition-to-school program what activities does it actually involve (classroom visits, parent information sessions); and what outcomes are they hoping to achieve in the short-term (child comfort in the setting) and in the longer term (parent engagement with school). The process of developing program logic models helps individuals and teams in many fields better articulate exactly what it is they are trying to achieve in their work, and acts to bring everyone on to "the same page". Logic models are also a necessary first step in designing an evaluation which seeks to understand what works and for whom. In this unit you will learn about the theory and practice of program logic modelling, and its uses for program development and evaluation as a type of research.

### **EVB102 Ecosystems and the Environment**

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Like all other species on the planet, humans extract energy and materials from their surrounding environment and as a result of that activity, modify ecosystems. We are part of the earth's ecological systems, and our ability to understand and manage our impact on the environment must be based on a sound knowledge of ecosystems ecology. This first year unit provides an introduction to ecosystems science through a series of lectures, workshops and field work. The unit focuses on broad-scale factors that shape ecosystems, such as energy transfer, materials cycling, climate and soils and examines the ecological patterns that emerge as a result. This knowledge is then used to assess ecosystem change and human impact on the environment. This foundational unit is relevant to environmental science and biology students and those with an interest in understanding the natural science components of sustainability.

### **EVB203 Geospatial Information Science**

Pre-requisites	ERB101 or EVB102
Equivalents	UDB181
Credit	12

## Units

Points	
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces the theory and concepts of digital geographic information science with a focus on discovering the power of location in the interpretation of earth and environmental data. Students record and create geospatial information that they share and combine to class data sets for mapping and analysis. Follow a typical project workflow from collecting attributes of specific locations, data preparation, formatting and quality control. Skills in spatial and attribute accuracy and precision are developed through fusion of class data sets. Cartographic products are created to meet a range of client needs and assessed for accuracy, completeness and appropriateness. Final report assessment demonstrates spatial analytical thought by proposing a quantitative solution to a series of problems based on the class data set. Think spatially about process and pattern, create informative and accurate geographic information and reporting products based on real world geospatial data sets.

### EVB210 Geospatial Mapping

Equivalent s	UDB381
Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

Effective presentation of geospatial information is fundamental for supporting decision-making in many disciplines. This unit is complementary to the study of Geographic Information Systems and aims at enhancing skill development in effective communication of geospatial information and the production of maps for different purposes and audiences. It provides you with an introduction to the fundamentals of mapping and cartographic communication for contemporary visual presentation and mapping of geospatial data suitable for scientific reporting. Through this unit you will develop the ability to operate at a basic-intermediate level a variety of mapping software (e.g. Google Earth, QGIS, ArcGIS, AutoCAD) and use some specific online mapping platforms.

### EVB211 Geographic Information Systems and Science

Equivalent s	UDB281
Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

Modern society requires complex decisions about space and these decisions are underpinned by spatial information and spatial data. This is a foundational unit for developing skills in Geographic Information Systems and Science. A Geographic Information System (GIS) is a

computer-based system that allows you to integrate, store, edit, analyse and display spatial or geographic information for a multitude of applications, ranging from natural resources management to urban planning, from disaster response to defence, from public health to business intelligence. The unit provides you with an introduction to spatial information science, spatial concepts and data models, spatial data acquisition, geodatabases, and simple spatial analysis. Upon completing this unit you will demonstrate a practical ability to operate a geographic information system at an intermediate level and the capacity to define and solve problems associated with manipulation of spatial information.

### EVB302 Environmental Pollution

Pre-requisites	BVB202 or MZB126
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit deals with major problems of pollution of water, the land surface and the atmosphere. It covers processes responsible for the occurrence and release of pollutants in the environment, dispersion mechanisms, the hazards associated with different types of pollutant, accumulation of toxic substances, and procedures



## Units

for the reduction of emissions and remediation of contaminated environments. It applies your learning from the Quantitative Skills in Environmental Science unit, BVB202 to assess and report on environmental pollution.

### EVB304 Case Studies in Environmental Science

Pre-requisites	BVB202 and EVB302 and (EVB212 or EVB312 or BVB311)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This capstone unit requires you to think critically about an important problem in environmental science and to integrate the knowledge gained through earlier units to provide an effective solution. You will identify and research a real world environmental problem, apply your knowledge of quantitative techniques and experimental design and think critically to address the problem and provide an answer to the research question posed. Through critical analysis and reflection on your work and that of your peers, you will gain a deeper understanding of the scientific method and its application to environmental science.

### EVB312 Soils and the Environment

Pre-requisites	ERB101
Anti-requisites	EVB212

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit will provide you with grounding in soil science and its application to environmental soil analysis and management, the importance of soil for ecosystem function in a changing environment, and the critical role of soils in the context of climate change. The unit links biological, ecological and geological systems and contributes to your understanding of the complexity of environmental systems in general.

### GSN403 Data Analysis and Decision Making

Pre-requisites	GSN405
Equivalent s	GSZ403
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP1, 6TP4

Managers are not only required to make sense of the data available to them but, to make complex business decisions often in short timeframes and with only partial information. This unit has been included in the program to provide students with the opportunity to learn how to make effective business decisions based on the application of data analysis techniques to real world business problems. Therefore, the aim of this particular unit is to develop the students' abilities to make effective business decisions in response

to real world business challenges, based on an understanding, evaluation and interpretation data using a number of standard data analysis techniques. The unit is positioned in the early phases of the program after students have acquired some foundational discipline specific skills and knowledge which enables students to be able to integrate and draw upon their disciplinary knowledge in analysing data and making decisions.

### GSN404 Accounting for Decision Making

Anti-requisites	GSN202
Equivalent s	GSZ404
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP3, 6TP5

This unit equips students with knowledge and skills needed to undertake budgeting and cost control accounting activities that support the broader operational decision making processes. The unit will assist students to assess and understand the financial position and performance of an entity, and to make informed predictions about its future directions, based on the information contained within published accounting reports and the application of foundational fundamental analysis techniques. The unit's aim is to provide business owners, managers and potential investors with an understanding of financial



statements and to develop knowledge, understanding and ability to apply financial statement analysis in business decision making activities. The unit is taught in the early phases of the MBA program to help students broaden their knowledge and understanding of business, providing a foundation for later units in the program that rely on analysis of financial data.

### GSN405 Strategic Management

Anti-requisites	GSZ602
Equivalent s	GSZ405
Credit Points	6
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - 6TP2, 6TP5

In a complex society where change is occurring with increasing frequency, strategy has never had greater significance, nor has it been more challenging. The range of local, national and international issues confronting business is both complex and diverse. The need for a strategic framework for overall direction, decision-making, and alignment with the environment is essential. Successful enterprises, no matter the sector they operate in, reflect a strategic thinking, and orientation. That there is no one right strategy is explored in context of the differences within industries and organisations, as is the alignment of organisational competencies and capabilities with the external environment, the vision, and the intent of organisational purpose.

### GSN406 Contemporary Human Resource Management Issues

Equivalent s	GSZ406
Credit Points	6
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - 6TP3

The aim of this unit is to provide managers with an understanding of some of the key issues affecting managing human resources and how to leverage the knowledge and skills of the Human Resources function within their organisation to achieve the strategic outcomes for the organisation. It explores in detail a number of contemporary HR issues facing firms in the context of a changing and dynamic environment and is designed to build awareness of those issues and build contextually specific solutions to those issues in diverse industry contexts. The unit has been included in the core of the MBA program to allow students to build on preceding core units, particularly those relating to strategic management and organisational behaviour.

### GSN407 Communicating to Influence

Anti-requisites	GSZ603
Equivalent s	GSZ407
Credit Points	6
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - 6TP2, 6TP6

The use of communication

skills underpin almost every aspect of business. It is critical that business leaders and managers develop highly effective and persuasive oral, written and technology enabled communication skills. The aim of this unit is to equip students with a thorough knowledge and the skills to be able to communicate effectively in oral, written and technology enabled forms. This unit is included in the MBA program to build upon students' existing oral, written and technology enabled professional communication skills. The unit aims to encourage students to develop an understanding of their audience, sensitivity to language use and to demonstrate the value and power of language as a means of persuasion in managerial and leadership contexts. This unit is positioned at the beginning of the MBA program to provide students with the opportunity to reinforce and further develop their communication skills through the discipline specific units throughout the MBA program.

### GSN408 Marketing Strategically

Equivalent s	GSZ408
Credit Points	6
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - 6TP3, 6TP5

Marketing is at the heart of business success or failure. If the business does not do marketing well, it will almost certainly fail in a globally competitive business environment. All other

functional areas of the business are secondary if there is no demand for the organisation's products. Marketing has implications for all other aspects of the business, and vice versa. Thus, managers working in any business discipline must gain an appreciation of marketing strategy and tactics, with a view to creating value. This unit is included in the program as every organization, whether large or small, private or public, governmental or NGO, for profit or not-for-profit, requires knowledge of their customers and of the value they are creating. Marketing crosses disciplinary areas, and future units will draw on the foundational knowledge and skills in creating value.

**GSN409 Understanding and Leading Others**

Pre-requisites	GSN497
Anti-requisites	MGN412, BSN202
Equivalent s	GSZ409
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP1, 6TP4

One of the greatest challenges for organisational leaders is how to harness the collective talents within a team to create high performing individuals capable of achieving the goals of the organisation. This unit aim to develop theoretical and applied knowledge of human behaviour at work and how to develop and lead face-to-face and virtual high performing

teams. It is critical that leaders are able to not only be aware of the factors that influence the thoughts, feelings, motivations and actions of individuals in the workplace, but also to have the tools to actively build capability, motivation and attitude in others. Leadership coaching is a key method taught in this unit to achieve these objectives. This unit is offered at the mid point of the program to build upon the earlier work on self-awareness completed in GSN497 Personal Leadership - and Change, and lay the foundations covered in GSN415 - Leadership and Complexity.

**GSN410 Entrepreneurship**

Anti-requisites	MGN428
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP1, 6TP4

Entrepreneurship is a desirable behavioural pattern of managers in areas of businesses regardless of scale that wish to rejuvenate their products, services, or operational processes. Entrepreneurs introduce innovations in products, services, and processes, which in turn serve to raise business productivity, increase employment and social well-being, and enhance global competitiveness. This unit is included in the program to provide students with the opportunity to develop important entrepreneurial knowledge and skills that are critical for success in business

today. This unit aims to equip students with a thorough knowledge of important issues surrounding entrepreneurial management and the establishment of new business ventures. This unit is positioned in this point in the program to allow students to build upon foundational knowledge and skills learned in GSZ468 Problem Framing for Creative Action and to provide a foundation for a later unit GSZ572 Planning for New Ventures.

**GSN412 Business Law**

Anti-requisites	AYN410, EFN413
Equivalent s	GSZ412
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP2, 6TP6

It is essential for managers and business leaders to have a fundamental understanding of the legal context in which they operate to ensure their rights and the rights of their organisations are protected, to avoid transactional problems arising over the course of their business dealings and to identify when professional legal expertise should be sought. This unit emphasise the reasoning process that lawyers follow. It is not designed to turn students into legal experts but is included in the program to provide students with foundational knowledge and understanding of regulatory frameworks that impact Australia's businesses and to foster awareness of emerging

global trends in commercial dealings. This unit is positioned mid-way in the program as a study of business law requires students to have a broad multidisciplinary, 'big picture' understanding of businesses and how they operate. This unit provides a solid foundation for a later unit GSN/Z473.

**GSN413 Financial Management**

Pre-requisites	GSN403
Anti-requisites	EFN406
Equivalent s	GSZ413
Credit Points	6
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - 6TP4

The aim of this particular unit is to help managers develop an understanding of the national and international financial environment, from a personal and business perspective and the implications for decision making within their organisations. This unit is included in this program to provide students with a grounding in applied finance, addressing the fundamental issues of how we can use finance in a commercial sense and how this impacts critical organisational and managerial decisions in an increasingly complex and demanding financial environment. This unit has been positioned in the latter part of the program, as the study of Financial Management requires students to have a broad multidisciplinary, 'big picture' understanding of businesses

and how they operate. The positioning of this unit allows students to draw and build upon their learning two earlier units GSN404 Accounting for Decision Making and GSN403 Data Analysis and Decision Making.

**GSN415 Understanding Leadership and Complexity**

Pre-requisites	GSN409
Equivalent s	GSZ415
Credit Points	6
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - 6TP5

In this unit we will explore the various ways of defining and understanding leadership. The focus of this unit will be to build on your growing self-awareness and improve your capacity to understand, communicate and influence the people you will lead in your own complex business environment. The aim of this unit is to develop your leadership ability, utilising a conceptual framework for self-understanding and the development of the requisite knowledge, skills and attitudes required to successfully lead in your own business environment. This unit is positioned towards the end the program to build upon and extend your knowledge of leadership that you have already gained in the earlier leadership units GSN497 Personal Leadership Development and Change and GSN409 Understanding and Leading Others. This unit will

complete the triad of awareness (self, others and wider world) that leaders require to analyse, innovate and lead effective organisations.

**GSN428 International Study Tour**

Equivalent s	GSZ428, GSZ429
Credit Points	6
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - 6TP2 (Block), 6TP3 (Block)

China is an emerging economy whose economic importance is being felt on the world stage. As one of the world's fastest growing economies, China has an increasing importance to Australian business and the Australian economy by providing vast business opportunities in China for Australian businesses, but more importantly, it provides tremendous opportunities for the development of the China-Australia economic and trade relationship that will benefit the entire Australian economy. This unit is positioned at this point in the EMBA program to complement the theoretical learning that has occurred in the GSN445 Doing Business with China unit. This unit is of particularly high value to EMBA students as it provides them with the opportunity to apply their learning from GSN445 Doing Business with China in an authentic context, the opportunity to be immersed in Chinese culture, and to gain many practical insights into doing business in and with

China.

### GSN444 Special Topic 1

Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP1, 6TP2, 6TP3, 6TP4, 6TP5, 6TP6

The consistent uncovering of the unethical conduct of leaders and personnel within the corporate and sporting worlds, as well as governments, combined with an increasingly well informed and ethically aware public, points squarely at unethical behavior as a critical risk to business success. To address that critical risk organisations and those who aspire to leading them must develop and implement effective strategies to promote ethical conduct and decision making. This unit will provide participants with knowledge concerning, and the opportunity to practice the skills they need to create organisations resistant to misconduct which actively discourage unethical conduct and achieve success through ethical leadership and practice.

### GSN445 Special Topic 2

Equivalent s	GSZ445
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP1, 6TP2, 6TP3, 6TP4, 6TP5, 6TP6

Successful business leaders are able to identify, harness and further develop the capabilities of their team. This unit is designed to build upon

the earlier unit GSN497 Personal Leadership and Change and will allow you to reflect on real leadership practice. The unit is completed in two phases (training / fundraising and participating in the 55km Oxfam Trailwalker event. It is a clear expectation that you will commit to both phases of the unit. By combining the experiential and emergent nature of a psychologically and physically demanding outdoor activity with the theory of adaptive challenge, response and engagement, this unit seeks for further develop individual leadership capability and skills to successfully mobilise people through periods of disequilibrium in complex, dynamic and adaptively challenging environments.

### GSN455 Special Topic 3

Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP1, 6TP2, 6TP3, 6TP4, 6TP5, 6TP6

Successful business leaders are able to identify, harness and further develop the capabilities of their team. This unit is designed to build upon the earlier unit GSN497 Personal Leadership and Change and will allow you to reflect on real leadership practice. The unit is completed in two phases (training / fundraising and participating in the 55km Oxfam Trailwalker event. It is a clear expectation that you will commit to both phases of the unit. By combining the experiential and

emergent nature of a psychologically and physically demanding outdoor activity with the theory of adaptive challenge, response and engagement, this unit seeks for further develop individual leadership capability and skills to successfully mobilise people through periods of disequilibrium in complex, dynamic and adaptively challenging environments.

### GSN464 Systems Thinking for Managers

Equivalent s	GSZ464,GSN502,GSZ502
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP2

Leaders and managers of organisations deal with complex problems whose resolution requires holistic approaches, sophisticated thinking and pluralist methodologies. Systems Thinking for Managers has been included in the early part of the program as Systems Thinking is a key theme threaded throughout the EMBA program that is built upon in the teaching and learning approaches used in subsequent units in the program. The aim of this unit is for students to develop systems thinking skills in a reflexive process involving the application of systems methodologies in isolation and in combination as they apply to complex business problems. This unit has been included in the program to provide students with



foundational knowledge related to systems methodologies and their underpinning epistemologies that enable business leaders and managers to solve and manage the complex, multi-faceted business problems of today and tomorrow.

### GSN468 Problem Framing for Creative Action

Equivalent s	GSN504, GSN526, GSZ468, GSZ526, GSZ556
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP1, 6TP4

This unit has been included in the MBA program to enable leaders to explore contemporary and creative approaches to problem framing and problem solving in complex business environments both at the individual and group level. The aim of this unit is to help managers develop a thorough appreciation of the importance of problem framing and problem solving, and to develop an understanding of how to create workplace environments that encourage and foster creativity and innovation. One of the central themes embedded throughout the MBA is to encourage students to explore divergent ways of thinking and design thinking to address problems and opportunities from multiple perspectives and generate, prototype and test high value solutions. As such, this unit is positioned in the early part of the program to anchor the development of these

important skills that will be further developed in later units.

### GSN473 Corporate Governance and Accountability

Pre-requisites	GSN404 and GSN409 and GSN412 and GSN491
Equivalent s	GSZ473
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP3

The specific aim of this unit is to increase your awareness of how boards of directors function. You will review the core knowledge associated with understanding the roles and responsibilities of directors, managers and other key stakeholders in the development of sound, ethical, sustainable, corporate governance practices. In this subject, you will investigate how corporations are managed and controlled. This involves understanding the roles and responsibilities of directors and managers as well as the policy and practices used to ensure effective corporate governance. You will study these questions across a range of circumstances that students might experience during your professional career. This unit is placed towards the end of your MBA program to ensure you are able to draw on the insights of the leadership, organisational behavior, ethics and operations management disciplines when determining effective governance practice and decision making.

### GSN481 Philanthropic and Nonprofit Frameworks of Governance

Anti-requisites	GSN472, GSN229
Credit Points	6
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - 6TP2 <b>External</b> - 6TP2

It is important for those involved with philanthropy and nonprofit enterprise to be able to critically analyse governance understandings and their dynamic interaction with society.

### GSN483 Ethics for Philanthropic and Nonprofit Organisations

Anti-requisites	AMN480, GSN230
Credit Points	6
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - 6TP3 <b>External</b> - 6TP3

The accountability demands for clients and funding bodies of philanthropic and nonprofit organisations increasingly require members of the Philanthropic and Not for Profit (PANFP) sector to adopt decision-making practices that are not only effective and efficient but are also consistent with the mission and values of their organisation. This unit serves to provide an introduction to a broad array of ethical reasoning skills and contemporary integrity management practices, in the context of the need for such organisations to build and

## Units

maintain their reputational capital and contribute more fully to the creation of social capital.

### GSN484 Management for Philanthropic and Nonprofit Organisations

Anti-requisites	AMN480, GSN230
Credit Points	6
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - 6TP2 <b>External</b> - 6TP2

The accountability demands of both clients and funding bodies, to which philanthropic and nonprofit organisations are increasingly subject, require that managers and administrators of philanthropic and nonprofit organisations adopt management practices which are not only effective and efficient but are also consistent with the mission and values of their organisation. This unit provides an introduction to management theory and practice, in the context of the need for such organisations to manage with integrity, and to build and maintain their social and human capital through management policies and practices which comply with legal prescriptions for management, and good practice in professional and organisational contexts.

### GSN485 Legal Issues for Philanthropic and Nonprofit Organisations

Anti-requisites	GSN231
Credit	6

Points	
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - 6TP4 <b>External</b> - 6TP4

Nonprofit organisations are subject to a legal framework that both regulates and facilitates their internal and external conduct. An appreciation of these frameworks is necessary for good governance, the achievement of their mission and promoting trust with both internal and external parties.

### GSN486 Accounting and Finance Issues for Philanthropic and Nonprofit Organisations

Anti-requisites	GSN231
Credit Points	6
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - 6TP5 <b>External</b> - 6TP5

Being able to understand and interpret financial information is a crucial skill for managers, executives and board members of nonprofit organisations. The external annual and financial reports provide financial and non-financial information principally for external stakeholders such as members, patrons, funding bodies, and regulators. Developing financial literacy and an appreciation of accountability drivers and frameworks is necessary for good governance and accountability, the achievement of the organisation's mission, strategic decision making, and

promoting trust with both internal and external stakeholders.

### GSN487 Introduction to Social Enterprise

Anti-requisites	AMN482
Credit Points	6
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - 6TP3 <b>External</b> - 6TP3

The nonprofit sector continues to mature and expand with the establishment of more sophisticated social enterprise programs. With significant reductions in the traditional sources of revenue, increasingly sophisticated competition and dramatic changes in expectations from clients and other stakeholder groups, the need for effective strategy and implementation has grown. Additionally innovative ways of resourcing and fulfilling mission need to be explored. This unit offers a background to social enterprises and 'hands on' experience in social business planning.

### GSN488 Fundraising Development Principles

Anti-requisites	GSN232, MIN409, AMN481
Credit Points	6
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - 6TP4 <b>External</b> - 6TP4

Fundraising and related skills are critical to attaining resources required for good

organisations to deliver amazing community outcomes. To meet the challenge of inspiring ongoing support for organisations, practitioners should base their decisions on the principles of fundraising, underpinned by theory and evidence from the growing body of literature in this area. This unit applies theories of marketing, public relations and management (especially human resources), economics, psychology, sociology and ethics to fundraising and development, and builds an understanding of the philanthropic environment and donor perspectives. It re-examines the principles of fundraising/development, institutional readiness, case preparation, leadership, constituencies and fundraising markets to build understanding of the context in which ethical practice occurs. The knowledge gained in this unit forms the basis of further studies into fundraising activities.

### GSN489 Fundraising Development Techniques

Pre-requisites	GSN488
Anti-requisites	GSN232, MIN409, AMN481
Credit Points	6
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - 6TP5 <b>External</b> - 6TP5

This unit builds on its pre-requisite, Fundraising Development Principles, and applies the concepts introduced in that unit. It tracks

various strategies and tactics for mobilising resources in a nonprofit organisation and provides insights to the challenges and processes involved in each technique. Evaluating fundraising operations is a capstone topic to the unit.

### GSN490 Managing Technological Innovation

Pre-requisites	GSN405 and GSN410
Equivalent s	GSZ490
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP2

Being more innovative does not simply mean faster, better, cheaper, but also means being smarter and more strategic. It is essential that business managers and leaders have a comprehensive understanding of the dynamics of technological innovation to allow them to more accurately identify trends within their technological and competitive environments, and to use these insights to craft a firm's innovation strategy. The aim of this particular unit is to help managers develop a thorough appreciation of the importance of technological innovation, and to develop an understanding of how to manage the process of technological innovation with practical frameworks to guide decision-making at a strategic level. This unit has been positioned mid-way through the program because exploring the strategic and operational role

of the innovation process requires students to have a broad multidisciplinary, 'big picture' view of businesses and how they operate.

### GSN491 Economics in Business

Anti-requisites	EFN405, GSN411, GSN414
Equivalent s	GSZ491
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP4, 6TP6

Business leaders and managers require an understanding of the forces that profoundly impact the economic issues in a local and global environment and how these forces impact the organisation. This unit aim to provide a basic understanding of how market conditions are determined. In particular, it aims to show how supply and demand forces drive production and prices in both individual markets and the national and international economy. This unit has been included in the program to provide the analytical framework needed to understand how market conditions are determined at the micro and macro levels and how market conditions affect business performance. This unit is offered at this point in the program to lay discipline-specific foundational knowledge and skills in relation to economics to reflect the fact that economic forces have a profound impact on most areas of business decision-making

and early appreciation of this discipline is therefore desirable.

### GSN497 Personal Leadership and Change

Equivalent s	GSN503,GSZ497,GSZ503,GSZ554
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP3, 6TP6

This unit is included in the program to provide an opportunity for students to increase their understanding of themselves and how their interactions with others impact on their effectiveness as leaders in complex business environments. Personal development is explored in the context of cultural understanding and ethics. The aim of this unit is for students to increase their understanding of themselves and how their interactions with others impact on their effectiveness as leaders in a complex business environment. Personal Leadership Development and Change is positioned in the early phases of this program to assist students to benchmark where they currently are as a leader and to identify opportunities for growth and development throughout the MBA program and beyond. Throughout the program, students will have the opportunity to revisit, review and extend their development goals in later leadership units in the program.

### GSN498 Investment Strategies for Technology

Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP1

This unit will develop an understanding of the ICT governance issues and processes and business strategy and IT alignment. It will introduce key current disruptive technologies and show how the ICT governance process and strategy facilitates effective adoption, adaptation and exploitation of these technologies. It will also provide students with some strategies for investigating and evaluating the impact of some current disruptive technologies that have the potential to radically change the process of business and business models. This unit has been positioned in the later part of the MBA program as it requires students to have a broad multidisciplinary, 'big picture' view of businesses and how they operate. The unit builds upon the introductory work explored in Managing Technological Innovation and complements the other units in both the Leadership and Strategy and Entrepreneurship and Innovation pathways.

### GSN541 Smart Decision Making: Beyond Digital and Big Data

Pre-requisites	GSN405
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP5

One of the defining characteristics of the 21st century is the overwhelming volume of data generated by humanity's modern existence. Equally the ability to store, and analyse these large-scale data sets (or 'big data') has matured to a point where long held assumptions about the role and use of data in strategic decision making are now being challenged. Emerging business models and data architectures present an array of potential opportunities and pitfalls that are not immediately obvious, yet organisations must make decisions in this rapidly changing data-centric context. Without sufficient awareness or understanding of the nascent changes in "digital" and "data" strategic platforms, decision makers may limit their organisations' ability to maintain a sustainable competitive advantage and/or continue delivering value to its stakeholders. As is often the case our generation and storage of raw data has outstripped our organisational ability to effectively leverage new technological capabilities, and effectively incorporate them into the leadership and governance of our organisations. Nevertheless, it is increasingly clear that the ability to incorporate advanced data analytics into the practice of leading organisations is becoming a determining factor in securing competitive advantage, identifying emerging opportunities and/or mitigating against possible disru



### GSN542 Special Topic Unit (12cp)

Pre-requisites	GSN405
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

### GSN551 Negotiation Skills and Strategies

Equivalent s	GSZ551
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP3

Effective negotiation skills are indispensable for successful managers operating in a globalised and complex business environment, and are an important part of everyday management. This unit aims to provide students with the opportunity to develop and practice their business negotiation skills. This unit provides students with the conceptual framework to analyse the business negotiation process. The exploration of negotiation practices in different contexts better prepares students for negotiation in the increasingly globalised business environment. Negotiation Skills and Strategies has been positioned later in the program to ensure that students have a broad base business knowledge and experience on which to draw upon when engaging in negotiations. The unit is scheduled as part of their specialisation in the

Leadership and Strategy strand as negotiation skills learned in this unit provide a foundation for the later specialisations and capstone projects.

### GSN558 Crisis Communication

Equivalent s	GSZ558, GSZ555, GSN496, GSN523, GSZ523
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP5

When faced with crises, business leaders need to develop strategies for effectively identifying and engaging with stakeholders who are impacted by the decisions or activities of the organisation. It is imperative, that business leaders and managers today, have well developed skills in effectively communicating their message to their stakeholders and the media. The aim of this particular unit is to help business managers and leaders to understand and engage with decision-making, stakeholder analysis, stakeholder engagement and media principles during crises. This unit has been positioned in the latter part of the program as exploring stakeholder engagement and media requires students to have a broad multidisciplinary, 'big picture' view of businesses and how they operate. This unit provides builds upon the earlier learning in GSN407 Communicating to Influence and complements the other units in the Leadership and Strategy elective pathway.

### GSN559 Improving Business Operations

Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP4

The aim of this particular unit is to introduce students to one of the major disciplines of the management consulting field. The purpose of Business Process Improvement is to help organisations to achieve dramatic performance improvement through a redesign of the organisation's core business processes. This unit provides an understanding of the key concepts, tools, and phases of business process re-engineering and is designed to stimulate strategic thinking and analysis by applying business process re-engineering theory in a real-world context. This unit has been included in the latter part of the MBA program as students undertaking this unit need to have a broad multidisciplinary, 'big picture' view of businesses and how they operate. This unit complements the other units in the Leadership and Strategy elective pathway.

### GSN560 Advanced Strategy for Global Business

Pre-requisites	GSN405 or GSZ405
Equivalent s	GSZ560
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP6

Business leaders today need to

be multi-disciplinary strategic thinkers, who have foresight and an ability to take a big-picture, long term view of an organisation. Additionally, the ability to make decisions, often with incomplete information, and to determine appropriate strategic responses to a complex, global business problems and opportunities is a key determinant of positive business outcomes. The aim of this unit is to enable students to develop a sophisticated knowledge and application of strategic analysis techniques and approaches, including the dynamics of stakeholder dependencies, the nature of complex and ambiguous problems, an understanding of the pivotal role of data and information in the strategy process and the limitations of theoretical models. This unit has been positioned in the latter part of the program building upon the learning in GSZ405 and complements the other units in the Leadership and Strategy elective pathway.

**GSN590 Integrated Workplace Project**

Equivalent s	GSZ572, GSN570, GSN571
Other requisites	84 credit points of core MBA units as approved by the MBA Director including GSN405
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP2, 6TP5

The confidence to lead in complex business environments requires

business leaders to look at problems and opportunities from multiple perspectives, to determine the course of action through integrating multi-disciplinary knowledge and skills, make decisions with incomplete information and to be a highly effective and persuasive communicator. The aim of this unit is to enable you to apply the learnings from the program in an integrated manner to address a complex work-based problem or a new or emerging business opportunity of interest to you, your employer or a sponsoring organisation. This capstone unit in the MBA program and draws together and integrates learning from across the program and assists students to synthesise approaches, frameworks and theory in a manner that provides practical ways to apply them to an industry project.

**GSN621 Grounding Theory and Practice**

Anti-requisites	BSN201, MGN441, MGN442
Equivalent s	GSZ621
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - FP03A

This unit introduces the best of contemporary coaching conversational practices, theories and models to provide the foundation for exploring the application of leadership coaching in complex organisational contexts. Leaders are confronted with increasingly volatile, uncertain,

complex and ambiguous (VUCA) contexts, and as such, require approaches that are sufficiently robust and sophisticated to meet these challenging circumstances. In subsequent units, these coaching approaches are explored and also utilised as students take individual, group and organisational perspectives. Students scope a High Impact Project which is an emergent challenge through the course to apply new knowledge and skills to make a positive contribution to an organisation, whilst developing a multi-level systems perspective of leadership and organisational life.

**GSN622 Linking Leadership and Complexity of Mind**

Pre-requisites	GSN621 or GSZ621
Anti-requisites	BSN201, MGN441, MGN442
Equivalent s	GSZ622
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - FP05A

This unit is focused at the level of the individual and builds upon the principle that complex organisational challenges require sophisticated leadership approaches, further evolving the application of leadership coaching. Complexity leadership is explored as a stream of leadership theory and practice that positions the role of the leader as leveraging the tension between maximising opportunities from day-to-day

operations and exploring and engaging with future possibilities that require changing the status quo. Students undertake a 360 degree feedback process to gauge their current level of complexity leadership functioning. The 360 degree process is supported by individual, group and peer coaching, and is important as a framework for understanding self and others, and the advancement of the practice of leadership coaching as a mindset. Students apply knowledge attained in this unit to their High Impact Project. Subsequent units explore group and organisational complexities in further depth.

**GSN623 Groups, Cultures and the Collective**

Pre-requisites	GSN621 or GSZ621
Equivalent s	GSZ623
Credit Points	12
Campus	Online
Availabiliti es	<b>Online</b> - FP08A

This unit moves from the lens of the individual, to the group and the collective. In complex organisational contexts, within- and across-group activity is a crucial medium for communication and for creating solutions to challenging organisational problems. This unit analyses the way that a leadership coaching approach to groups and teams generates collective intelligence and contributes to enhanced organisational outcomes. Students complete a profiling

tool to acquire a deep understanding and appreciation, through application, of group and team functioning. The continued development of the High Impact Project broadens perspectives to explore groups and teams in an organisational leadership framework, focussing on the construct of a coaching culture. This emerging organisational paradigm of a coaching culture in the context of group and team life is addressed, thereby providing a link to the organisational lens adopted in the final unit.

**GSN624 Influencing Organisational Systems and Strategies**

Pre-requisites	GSN621 or GSZ621
Equivalent s	GSZ624
Credit Points	12
Campus	Online
Availabiliti es	<b>Online</b> - FP10A

This final capstone unit is the exploration of the possibilities of a coaching mindset, developed across the preceding units, and explored in the context of organisational systems and strategies, thus, building upon and extending the individual and the group and team perspectives established in earlier units. This lens is critical in ensuring that the individual learning acquired by students is given life in a real organisation and as such, students continue to apply their knoweldge through their High Impact Projects.

Thereby, stimulating real world learning applications in the support of leadership coaching in complex organisational environments. This final unit links leadership coaching to organisational strategy and outcomes, maximises transfer of learning into an organisational system and consolidates the learning from previous units as a resource that participants can draw on in future organisational contexts.

**GSP100 Competing in Complex Environments**

Credit Points	12
Campus	Online
Availabiliti es	<b>Online</b> - 10TP2

To effectively address the contemporary challenges faced by digital business models and broader disruptive elements, senior leaders need to have the skills to creatively identify appropriate strategic responses to those challenges. The aim of this unit is to develop your insight and capability in the use of strategic management tools to compete effectively in a business context defined by emerging digital business models. You will develop the capacity to optimise the combination and integration of tools and concepts evident in the practice of strategy, marketing and design thinking with the aim of developing digital driven strategies. Further, the unit is designed to provide you with an understanding of the key factors underpinning effective strategy, marketing and design thinking, as well as developing

an understanding of how to create workplace environments that drive and facilitate creative problem solving. This unit is the first unit undertaken in your Digital MBA.

### GSP110 Optimising Business Outcomes

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - 10TP3

Accounting information plays a critical role in providing organisational stakeholders with timely, accurate and useful information on which informed business and investment decisions can be made. The aim of this unit is to provide organisational leaders with the ability to determine the relative "financial health" of an entity by developing particular skills around the interrogation and analysis of an entity's financial statements in order to optimise its financial and operational health. It is designed to develop your abilities to make effective decisions in response to real world business challenges, based on an understanding, evaluation and interpretation of financial and accounting data. This unit is included in the first phase of the MBA program to provide students with a grounding in applied accounting and finance, addressing the fundamental issues of how we can use accounting and finance techniques and approaches to improve critical organisational and managerial decisions.

### GSP120 The Digital Leader

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - 10TP4

The highly volatile nature of organisations operating in a digital context has elevated the significance of those holding leadership roles. However, the transformation to a "digital leader" is complex, involving changes in self-awareness, knowledge, skills, and attitudes. The aim of this unit is for participants to increase their understanding of themselves and how their interactions with others impact on their effectiveness as leaders in complex digital environments. Additionally, the unit aims to encourage participants as leaders to develop an understanding of their audience, sensitivity to language use, and to demonstrate the value and power of language as a means of persuasion in complex managerial and leadership contexts. This is the first of three units specifically designed to develop your leadership capability. GSP160 Leading Teams for Growth and GSP200 Leading Transformational Change will build on the leadership foundations established in this unit.

### GSP130 High Impact Project 1

Anti-requisites	GSP131-1
Credit Points	12
Campus	Online

Availabilities	<b>Online</b> - 10TP1
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The confidence to lead in complex business environments requires business leaders and managers to be able to look at problems and opportunities from multiple perspectives, to determine the course of action through integrating multi-disciplinary knowledge and skills, make decisions with incomplete information and to be a highly effective and persuasive communicator. This unit has been included in the MBA program to provide students with the opportunity to apply learning to a real-world project. This introductory integrated unit in the MBA program teaches associates to draw together and integrate learning from across the first phase of the program and assists students to synthesise approaches, frameworks and theory in a manner that provides practical ways to apply them to an industry or workplace related project. This project based unit is the first of three project based units that you will undertake in the Digital MBA.

### GSP140 Establishing New Ventures

Pre-requisites	GSP100
Credit Points	12
Campus	Online and Gardens Point
Availabilities	<b>Online</b> - 10TP1, 10TP2

The emergence of what has been termed as "Industry 4.0" is typified by an environment where innovative and creative



solutions are required not just for organisations to be successful in their endeavours, but to survive and remain competitive. The aim of this unit is to develop your capability to identify the opportunity for new ventures, either as independent new enterprises, or as opportunities emerging out of an established organisation. The unit also aims to equip you with a thorough knowledge of important issues surrounding entrepreneurial management and the establishment of new business ventures with a particular focus on the “entrepreneurial mindset”, providing you with the tools to turn ideas in viable business opportunities. It is expected that participants undertaking this unit would incorporate learnings from previous units such as GSP100 Competing in Complex Environments”, GSP110 Optimising Business Outcomes and GSP120 The Digital Leader.

**GSP150 Building Financial Resilience**

Pre-requisites	GSP110
Credit Points	12
Campus	Online and Gardens Point
Availabilities	<b>Online</b> - 10TP2, 10TP3

It is key that digital leaders have the capacity to determine the financial health and appropriate financial management strategies of the organisation to remain resilient and competitive during growth, transformation, or a re-positioning of strategic

priorities. The aim of this unit is to help you to build the capacity to effectively determine the financial health of an organisation in relation to its capacity to sustain a growth or undertake an expansion or transformation strategy. It is also intended to equip you with the ability to develop a coherent financial management and investment strategies aimed at improving the financial resilience of their organisations. It is expected that participants undertaking this unit would directly incorporate learnings from the unit GSP110 Optimising Business Outcomes as well as applying other learnings from previous units such as GSP100 Competing in Complex Environments, GSP120 The Digital Leader and GSP140 Establishing New Ventures.

**GSP160 Leading Teams for Growth**

Pre-requisites	GSP120
Credit Points	12
Campus	Online and Gardens Point
Availabilities	<b>Online</b> - 10TP3, 10TP4

Digital leaders cultivate multidisciplinary, tech-savvy, and innovative teams that operate across functional boundaries. Simultaneously, leaders must focus on breaking down silos, identifying opportunities for collaboration and value creation and cross-disciplinary team arrangements. This unit directly expands on the foundations established in GSP120 The Digital Leader, moving the

focus from the individual characteristics desired of a leader in a digital context to leading others in digital organisations. Therefore the aim of this unit is to build your leadership ability in the context of complex digitally aligned environments. In particular, this unit aims to develop your insight into the thoughts, feelings, motivations and actions of individuals in the workplace, but also to have the tools to actively build capability, motivation and attitude in others. Particular emphasis will be placed on developing your coaching skills as a key mechanism to build and lead high performing teams.

**GSP170 High Impact Project 2**

Pre-requisites	GSP130 or GSP131-3
Anti-requisites	GSP171-1
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - 10TP3

The confidence to lead in complex business environments requires business leaders and managers to be able to look at problems and opportunities from multiple perspectives, to determine the course of action through integrating multi-disciplinary knowledge and skills, make decisions with incomplete information and to be a highly effective and persuasive communicator. This unit has been included in the MBA program to provide students with the opportunity to apply learning to a real-world

project. This introductory integrated unit in the MBA program teaches associates to draw together and integrates learning from across the first year of the program and assists students to synthesise approaches, frameworks and theory in a manner that provides practical ways to apply them to an industry project.

### GSP171 High Impact Project 2B

Pre-requisites	GSP171-1
Credit Points	4
Campus	Online
Availabilities	<b>Online</b> - 10TP2

### GSP171 High Impact Project 2A

Pre-requisites	GSP130 or GSP131-3
Anti-requisites	GSP170
Credit Points	4
Campus	Online
Availabilities	<b>Online</b> - 10TP1

The confidence to lead in complex business environments requires business leaders and managers to be able to look at problems and opportunities from multiple perspectives, to determine the course of action through integrating multi-disciplinary knowledge and skills, make decisions with incomplete information and to be a highly effective and persuasive communicator. This unit has been included in the MBA program to provide students with the opportunity to

apply learning to a real-world project. This intermediary integrated unit in the MBA program teaches associates to draw together and integrate learning from across the first and second phase of the program and assists students to synthesise approaches, frameworks and theory in a manner that provides practical ways to apply them to an industry project.

### GSP171 High Impact Project 2C

Pre-requisites	GSP171-2
Credit Points	4
Campus	Online
Availabilities	<b>Online</b> - 10TP3

### GSP180 Pivoting to a Digital Business Model

Pre-requisites	GSP140
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - 10TP4

### GSP211 High Impact Project 3A

Pre-requisites	GSP170 or GSP171-3
Anti-requisites	GSP210
Credit Points	4
Campus	Online
Availabilities	<b>Online</b> - 10TP4

### GSZ403 Data Analysis and Decision Making

Pre-requisites	GSZ405
Anti-requisites	EFN409
Equivalent s	GSN403
Credit Points	6
Campus	Online and Gardens Point
Availabilities	<b>Gardens Point</b> - FP08A (Block) <b>Online</b> - FP05B

Managers are not only required to make sense of the data available to them but, to make complex business decisions often in short timeframes and with only partial information. This unit has been included in the program to provide students with the opportunity to learn how to make effective business decisions based on the application of data analysis techniques to real world business problems. Therefore, the aim of this particular unit is to develop the students' abilities to make effective business decisions in response to real world business challenges, based on an understanding, evaluation and interpretation data using a number of standard data analysis techniques. The unit is positioned in the early phases of the program after students have acquired some foundational discipline specific skills and knowledge which enables students to be able to integrate and draw upon their disciplinary knowledge in analysing data and making decisions.

### GSZ404 Accounting for Decision Making

Anti-requisites	GSN202
Equivalent s	GSN404
Credit Points	6
Campus	Online and Gardens Point
Availabilities	<b>Gardens Point</b> - FP10A (Block) <b>Online</b> - FP10B

This unit equips students with knowledge and skills needed to undertake budgeting and cost control accounting activities that support the broader operational decision making processes. The unit will assist students to assess and understand the financial position and performance of an entity, and to make informed predictions about its future directions, based on the information contained within published accounting reports and the application of foundational fundamental analysis techniques. The unit's aim is to provide business owners, managers and potential investors with an understanding of financial statements and to develop knowledge, understanding and ability to apply financial statement analysis in business decision making activities. The unit is taught in the early phases of the MBA program to help students broaden their knowledge and understanding of business, providing a foundation for later units in the program that rely on analysis of financial data.

### GSZ405 Strategic Management

Equivalent s	GSN405
Credit Points	6
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - FP02A (Block) <b>Online</b> - FP02B

In a complex environment where change is occurring with increasing frequency, the practice of strategy has never had greater significance, nor has it been more challenging. The unit provides you with an introductory overview of key concepts involved in the study and practice of strategic management and to introduce you to a range of strategic management models and tools of practical value to managers. Strategic frameworks guide overall direction, decision-making and alignment within the competitive business environment. This unit is designed to provide you with knowledge and understanding of the nature of strategy, its role and purpose within the business setting and the contribution of strategic management tools and frameworks for the implementation of strategy. This unit is the first unit in the MBA program and is designed to provide an introduction to strategy and strategic thinking that will lay a solid foundation for other units in the program.

### GSZ406 Contemporary Human Resource Management Issues: Global Perspectives

Equivalent s	GSN406
Credit	6

Points	
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - FP05A (Block) <b>Online</b> - FP04B

The aim of this unit is to provide managers with an understanding of some of the key issues affecting managing human resources and how to leverage the knowledge and skills of the Human Resources function within their organisation to achieve the strategic outcomes for the organisation. It explores in detail a number of contemporary HR issues facing firms in the context of a changing and dynamic environment and is designed to build awareness of those issues and build contextually specific solutions to those issues in diverse industry contexts. The unit has been included in the core of the MBA program to allow students to build on preceding core units, particularly those relating to strategic management and organisational behaviour.

### GSZ407 Communicating to Influence

Anti-requisites	GSZ603
Equivalent s	GSN407
Credit Points	6
Campus	Online and Gardens Point
Availabilities	<b>Gardens Point</b> - FP04A (Block) <b>Online</b> - FP02B

The use of communication skills underpins almost every aspect of business. Specialised knowledge alone is no longer

enough to guarantee success in business; you must be able to effectively communicate this knowledge with a variety of audiences. It is therefore critical that business leaders and managers develop highly effective and persuasive oral, written and technology enabled professional communication skills. This unit is included in the MBA program to build upon students' existing oral, written and technology enabled professional communication skills. These skills are essential for success both as a scholar and business leader. The positioning of this unit at the beginning of the MBA program provides students with the opportunity to reinforce and further develop their communication skills through the discipline specific units throughout the MBA program.

**GSZ408 Marketing Strategically**

Equivalent s	GSN408
Credit Points	6
Campus	Online and Gardens Point
Availabilities	<b>Gardens Point</b> - FP02A (Block) <b>Online</b> - FP04B

Marketing is at the heart of business success or failure. If the business does not do marketing well, it will almost certainly fail in a globally competitive business environment. Thus, managers working in any business discipline must gain an appreciation of marketing strategy and tactics, with a view to creating value. The aim of this unit is to provide

managers with an understanding of some of the key factors underpinning effective marketing strategy and decision-making within an organisation. This unit is included in the program as every organization, whether large or small, private or public, governmental or NGO, for profit or not-for-profit, requires knowledge of their customers and of the value they are creating. This unit is included at this point in the program to draw upon earlier learning in the program and to develop marketing strategy knowledge and skills that will be further built upon in later units in the program.

**GSZ409 Understanding and Leading Others**

Pre-requisites	GSZ497
Anti-requisites	MGN412, BSN202
Equivalent s	GSN409
Credit Points	6
Campus	Online and Gardens Point
Availabilities	<b>Gardens Point</b> - FP03A (Block) <b>Online</b> - FP02B

One of the greatest challenges for organisational leaders is how to harness the collective talents within a team to create high performing individuals capable of achieving the goals of the organisation. This unit aim to develop theoretical and applied knowledge of human behaviour at work and how to develop and lead face-to-face and virtual high performing teams. It is critical that leaders are able to not only be aware

of the factors that influence the thoughts, feelings, motivations and actions of individuals in the workplace, but also to have the tools to actively build capability, motivation and attitude in others. Leadership coaching is a key method taught in this unit to achieve these objectives. This unit is offered at the mid point of the program to build upon the earlier work on self-awareness completed in GSZ497 Personal Leadership - and Change, and lay the foundations covered in GSZ415 - Leadership and Complexity.

**GSZ412 Business Law**

Anti-requisites	AYN410 and EFN413
Equivalent s	GSN412
Credit Points	6
Campus	Gardens Point, Online and Canberra
Availabilities	<b>Gardens Point</b> - FP10A (Block), FP11A (Block) <b>Online</b> - FP10B, FP11B

It is essential for managers and business leaders to have a fundamental understanding of the legal context in which they operate to ensure their rights and the rights of their organisations are protected, to avoid transactional problems arising over the course of their business dealings and to identify when professional legal expertise should be sought. This unit emphasises the reasoning process that lawyers follow. It is not designed to turn students into legal experts but is included in the program to provide students with



foundational knowledge and understanding of regulatory frameworks that impact Australia's businesses and to foster awareness of emerging global trends in commercial dealings. The unit is positioned mid-way in the program as a study of business law requires students to have a broad multidisciplinary, 'big picture' understanding of businesses and how they operate. The unit provides a solid foundation for a later unit GSN/Z473.

### GSZ413 Financial Management

Pre-requisites	GSZ403
Anti-requisites	EFN406
Equivalent s	GSN413
Credit Points	6
Campus	Gardens Point, Online and Canberra
Availabilities	<b>Gardens Point</b> - FP10A (Block), FP11A (Block) <b>Online</b> - FP10B, FP11B

The aim of this particular unit is to help managers develop an understanding of the national and international financial environment, from a personal and business perspective and the implications for decision making within their organisations. This unit is included in this program to provide students with a grounding in applied finance, addressing the fundamental issues of how we can use finance in a commercial sense and how this impacts critical organisational and managerial decisions in an increasingly complex and demanding

financial environment. This unit has been positioned in the latter part of the program, as the study of Financial Management requires students to have a broad multidisciplinary, 'big picture' understanding of businesses and how they operate. The positioning of this unit allows students to draw and build upon their learning two earlier units Accounting for Decision Making and Data Analysis and Decision Making.

### GSZ415 Global Leadership and Complexity

Pre-requisites	GSZ409
Equivalent s	GSN415
Credit Points	6
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - FP08A (Block) <b>Online</b> - FP09B

In this unit we will explore the various ways of defining and understanding leadership at scale. The focus of this unit will be to build on your growing self-awareness and improve your capacity to understand, communicate and influence the people you will lead in your own complex business environment. The aim of this unit is to develop your leadership ability, utilising a conceptual framework for self-understanding and the development of the requisite knowledge, skills and attitudes required to successfully lead in your own business environment. This unit is positioned towards the end the program to build upon and

extend your knowledge of leadership that you have already gained in the earlier leadership units GSN497 Personal Leadership Development and Change and GSN409 Understanding and Leading Others. This unit will complete the triad of awareness (self, others and wider world) that leaders require to analyse, innovate and lead effective organisations.

### GSZ431 Management Theory and Practice

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - 5TP2

In addition to the basic functions of management, the changing nature of managerial work emphasises the importance of facilitating, developing and integrating human, physical and other resources. This unit examines current approaches to managing and leading in government and industry contexts; and the challenges of managing amid discontinuous change.

### GSZ435 Applied Economics

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - 5TP2

In today's complex domestic and global environments, effective policy design and implementation should be informed by a sound understanding of the

interactions between individuals, businesses and the government. The economic concepts and frameworks in this introductory unit provides students with a broad understanding of the economic forces that impact governments, businesses and individuals.

**GSZ458 Ethics and Professional Relationships**

Equivalent s	
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - FP04A, FP05A, FP09A, FP10A

This unit is designed for students intending to pursue professional careers in business, particularly financial planning, and introduces ethical issues associated with the roles of directors, executives and professionals. With a particular focus on the ethical competencies and obligations required of those providing financial advice services, the unit also specifically addresses the development of trust within professional relationships. Practical considerations regarding how to develop effective non-verbal and verbal communication skills with clients and other stakeholders are also of continuing importance in professional contexts and are explored in this unit.

**GSZ464 Systems Thinking for Managers**

Equivalent s	GSN464,GSZ502,GSN502
Credit Points	6
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - FP08A (Block) <b>Online</b> - FP08B

Leaders and managers of organisations deal with complex problems whose resolution requires holistic approaches, sophisticated thinking and pluralist methodologies. Systems Thinking for Managers has been included in the early part of the program as Systems Thinking is a key theme threaded throughout the EMBA program that is built upon in the teaching and learning approaches used in subsequent units in the program. The aim of this unit is for students to develop systems thinking skills in a reflexive process involving the application of systems methodologies in isolation and in combination as they apply to complex business problems. This unit has been included in the program to provide students with foundational knowledge related to systems methodologies and their underpinning epistemologies that enable business leaders and managers to solve and manage the complex, multi-faceted business problems of today and tomorrow.

**GSZ468 Problem Framing for Creative Action**

Equivalent s	GSN468,GSN504,GSN526,GSZ526,GSZ556
Credit Points	6
Campus	Online and Gardens Point
Availabilities	<b>Gardens Point</b> - FP06A (Block) <b>Online</b> - FP06B

This unit has been included in the MBA program to enable leaders to explore contemporary and creative approaches to problem framing and problem solving in complex business environments both at the individual and group level. The aim of this unit is to help managers develop a thorough appreciation of the importance of problem framing and problem solving, and to develop an understanding of how to create workplace environments that encourage and foster creativity and innovation. One of the central themes embedded throughout the MBA is to encourage students to explore divergent ways of thinking and design thinking to address problems and opportunities from multiple perspectives and generate, prototype and test high value solutions. As such, this unit is positioned in the early part of the program to anchor the development of these important skills that will be further developed in later units.

**GSZ473 Corporate Governance and Accountability**

Pre-requisites	GSZ404 and GSZ409 and GSZ412 and GSZ491
Equivalent s	GSN473

## Units

Credit Points	6
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - FP10A (Block) <b>Online</b> - FP11B

The specific aim of this unit is to increase your awareness of how boards of directors function. You will review the core knowledge associated with understanding the roles and responsibilities of directors, managers and other key stakeholders in the development of sound, ethical, sustainable, corporate governance practices. In this subject, you will investigate how corporations are managed and controlled. This involves understanding the roles and responsibilities of directors and managers as well as the policy and practices used to ensure effective corporate governance. You will study these questions across a range of circumstances that students might experience during your professional career. This unit is placed towards the end of your MBA program to ensure you are able to draw on the insights of the leadership, organisational behavior, ethics and operations management disciplines when determining effective governance practice and decision making.

### GSZ490 Managing Technological Innovation

Pre-requisites	GSZ405 and 42cp of EMBA units
Equivalent s	GSN490
Credit Points	6
Campus	Gardens Point and Online

Availabilities	<b>Gardens Point</b> - FP02A (Block) <b>Online</b> - FP02B
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Being more innovative does not simply mean faster, better, cheaper, but also means being smarter and more strategic. It is essential that business managers and leaders have a comprehensive understanding of the dynamics of technological innovation to allow them to more accurately identify trends within their technological and competitive environments, and to use these insights to craft a firm's innovation strategy. The aim of this particular unit is to help managers develop a thorough appreciation of the importance of technological innovation, and to develop an understanding of how to manage the process of technological innovation with practical frameworks to guide decision-making at a strategic level. This unit has been positioned mid-way through the program because exploring the strategic and operational role of the innovation process requires students to have a broad multidisciplinary, 'big picture' view of businesses and how they operate.

### GSZ491 Economics in Business

Anti-requisites	EFN405, GSN411 and GSN414
Equivalent s	GSN491
Credit Points	6
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - FP06A (Block) <b>Online</b> - FP08B

All organisations operate within an economic environment and are profoundly impacted by local and global economic issues. It is therefore imperative that all business leaders and managers have an understanding of the forces that shape this environment and how these forces, both local and global, impact the organisation. This unit has been included in the program to provide the analytical framework needed to understand how market conditions are determined at the micro and macro levels and how market conditions affect business performance. This unit is offered at this point in the program to lay discipline-specific foundational knowledge and skills in relation to economics to reflect the fact that economic forces have a profound impact on most areas of business decision-making and an early appreciation of this discipline is therefore desirable.

### GSZ497 Personal Leadership and Change

Equivalent s	GSN497, GSN503, GSZ503, GSZ554
Credit Points	6
Campus	Online and Gardens Point
Availabilities	<b>Gardens Point</b> - FP04A (Block) <b>Online</b> - FP04B

This unit is included in the program to provide an opportunity for students to increase their understanding of themselves and how their interactions with others impact on their effectiveness as

leaders in complex business environments. Personal development is explored in the context of cultural understanding and ethics. The aim of this unit is for students to increase their understanding of themselves and how their interactions with others impact on their effectiveness as leaders in a complex business environment. Personal Leadership Development and Change is positioned in the early phases of this program to assist students to benchmark where they currently are as a leader and to identify opportunities for growth and development throughout the MBA program and beyond. Throughout the program, students will have the opportunity to revisit, review and extend their development goals in later leadership units in the program.

**GSZ535 Sourcing and Contracting Strategies in a Global Environment**

Equivalent s	GSZ527, GSN527
Credit Points	6
Campus	Online
Availabilities	<b>Online</b> - FP04B

Global complex projects and programs use many ways to deliver outcomes, including strategic procurement sourcing and contracting throughout the capability/program lifecycle. Complex project and program managers must be able to critically assess markets and appraise options for identifying and realizing benefits from investments in strategic

projects. The unit develops students' skills and expertise in developing sourcing and contracting strategies, for domestic and international transactions. The unit aims to enhance awareness of alternative strategies and contracting models, their influence on commercial partnering behaviour and impact on the delivery of outcomes. This unit develops knowledge and skills related to sourcing and contracting strategies in a global environment. It builds on strategy and basic business law, examining: sourcing models, common types of contracting arrangements; and key issues in framing contracts and relationships that influence successful outcomes.

**GSZ536 Strategic Leadership of Supplier Relationships**

Equivalent s	GSZ521, GSN521
Credit Points	6
Campus	Online
Availabilities	<b>Online</b> - FP04B

It is critical that program and project leaders develop essential capabilities in being able to identify, create, build and sustain long-term strategic relationships built on trust to ensure the success of complex, global projects. This unit is designed to develop essential leadership and relationship management capabilities that will enable students to select, develop, maintain, performance manage and secure contractual relationships between project

partners. The unit aims to equip students with the knowledge, conceptual frameworks and techniques to; understand the range of supplier relationships and when each is most appropriate; and apply this understanding in selecting the most appropriate procurement strategy and suppliers and building and maintaining efficient and effective supplier relationships. This unit is positioned in the program to build upon the prior work completed in the GSZ415 Global Leadership and Complexity and GSZ473 Corporate Governance and Accountability.

**GSZ538 Strategically Managing Risk**

Pre-requisites	GSZ464
Equivalent s	GSZ512, GSN512
Credit Points	6
Campus	Online
Availabilities	<b>Online</b> - FP06B

The competent manager must be able to distinguish risk in a range of cognitive heuristics and biases; and political factors can impair judgement and decision-making in complex projects and organisations. The aim of this unit is to develop students' knowledge, conceptual frameworks and techniques to effectively manage risk in a complex project management environment and to recognise and counter the cognitive biases, political factors and other factors which can impair complex project judgement and



decision-making. This unit provides students with the opportunity to develop knowledge and skills in the application of a range of advanced approaches to dealing with uncertainty well. It reframes modern, systems-thinking perspectives to be more holistic, effective and practical for leaders in complex organisational and project environments. This unit is positioned in the program to complement other units in the Complex Program Leadership and Strategic Procurement elective strands.

**GSZ539 Intellectual Property Strategy and Management**

Equivalent s	GSN529,GSZ529
Credit Points	6
Campus	Online
Availabilities	<b>Online</b> - FP06B

IP rights are the legal framework that applies to the creation, acquisition, management and disposal of intangible property. In particular, they facilitate commercial transactions in intangible proprietary rights, and provide a basis for rewarding intellectual effort. Developing and implementing an effective IP identification and management strategy is essential in strategic procurement projects. This unit aims to develop students understanding of the strategic options for identifying IP requirements, managing and protecting IP effectively throughout the program/project lifecycle. This unit has been

included in the program to provide students with the knowledge and skills to be able appropriately manage and protect intellectual property rights using recognised best practice for strategic procurement projects, and is offered at this point in the program to complement other units in the Strategic Procurement elective strand.

**GSZ541 Smart Decision Making: Beyond Digital and Big Data**

Pre-requisites	GSZ405
Credit Points	6
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - FP05A (Block) <b>Online</b> - FP04B

One of the defining characteristics of the 21st century is the overwhelming volume of data generated by humanity’s modern existence. Equally the ability to store, and analyse these large-scale data sets (or “big data”) has matured to a point where long held assumptions about the role and use of data in strategic decision making are now being challenged. Emerging business models and data architectures present an array of potential opportunities and pitfalls that are not immediately obvious, yet organisations must make decisions in this rapidly changing data-centric context. Without sufficient awareness or understanding of the nascent changes in 'digital' and 'data' strategic platforms, decision

makers may limit their organisations' ability to maintain a sustainable competitive advantage and/or continue delivering value to its stakeholders. As is often the case our generation and storage of raw data has outstripped our organisational ability to effectively leverage new technological capabilities, and effectively incorporate them into the leadership and governance of our organisations. Nevertheless, it is increasingly clear that the ability to incorporate advanced data analytics into the practice of leading organisations is becoming a determining factor in securing competitive advantage, identifying emerging opportunities and/or mitigating against possible disruptive

**GSZ542 Special Topic Unit (12cp)**

Pre-requisites	GSZ405
Credit Points	12
Campus	Gardens Point and Canberra
Availabilities	<b>Gardens Point</b> - 6TP1, FP09A, FP10A <b>Canberra</b> - FP10B

As determined by the nature of the special topic unit.

**GSZ543 Conducting Business Internationally**

Pre-requisites	GSZ405
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - FP09A

This unit is positioned at this

point in the EMBA program so that students have a depth of knowledge across a broad range of business disciplines, particularly Economics, Entrepreneurship, and Communication including Negotiation Strategies. Following this unit, students participate in an International Study Tour, which will provide the opportunity for students to be immersed in the culture of the country visited and to consolidate and apply their knowledge and skills about conducting business internationally. This unit is positioned at this point in the program as students need to have a broad multidisciplinary, 'big picture' understanding of businesses and how they operate to be able to maximise the learning opportunities afforded to them through the International Study Tour.

**GSZ545 Complex Project Alignment and Implementation**

Pre-requisites	GSZ405
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - FP09B

Complex projects are usually initiated to implement/contribute to long-range strategic objectives in volatile contexts with high uncertainty. Project leaders who fail to appreciate the nature of complex projects and attempt to apply only traditional approaches will inevitably fail. It is critical that leaders of complex projects/programs have an understanding of

complexity, strategic alignment and develop the knowledge that allows them to develop an adaptive leadership approach. This unit offers a rich learning opportunity to analyse the diverse approaches to implementation applied in a broad range of international complex projects, and to leverage the experience of world-class complex project leaders and managers.

**GSZ551 Negotiation Skills and Strategies**

Equivalent s	GSN551
Credit Points	6
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - FP11A (Block) <b>Online</b> - FP12B

Negotiation is an important part of everyday management, and effective negotiation skills are indispensable for successful managers operating in a globalised and complex business environment. This unit aims to provide students with the opportunity to develop and practice their business negotiation skills. This unit provides students with the conceptual framework to analyse the business negotiation process. The exploration of negotiation practices in different contexts better prepares students for negotiation in the increasingly globalised business environment. Negotiation Skills and Strategies has been positioned later in the program to ensure that students have a broad base business

knowledge and experience on which to draw upon when engaging in negotiations. The unit is scheduled as part of their specialisation studies in the Leadership and Strategy strand as negotiation skills learned in this unit provide a foundation for the later specialisations units and capstone projects.

**GSZ553 Business Leadership Practicum**

Pre-requisites	GSZ415
Equivalent s	GSN553
Credit Points	6
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - FPA (Block) <b>Online</b> - FPAB

This unit gives the opportunity to develop advanced leadership insights derived from observations of, and strategic conversations with, a proven executive level leader from a government or corporate organisation over an extended period. This highly experiential unit aims to provide an exchange of ideas relating to emerging, contemporary leadership issues and practices between you, your allocated Executive Advisor (EA) and your broader cohort and enable participants to build and reflect on their knowledge of leadership theoretical frameworks and leadership behaviours gained while undertaking the EMBA leadership units. The practicum is positioned to build on an Executive Coaching program and run parallel to other final

phase EMBA units. By drawing upon their experiences and discussions within the leadership practicum, students have significant opportunities to prepare for and explore the responsibilities, challenges and issues relevant to their personal journey as executive leaders.

**GSZ558 Crisis Communication**

Equivalent s	GSN558, GSZ555, GSN496, GSN523, GSZ523
Credit Points	6
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - FP06A (Block) <b>Online</b> - FP06B

When faced with crises, business leaders need to develop strategies for effectively identifying and engaging with stakeholders who are impacted by the decisions or activities of the organisation. It is imperative, that business leaders and managers today, have well developed skills in effectively communicating their message to their stakeholders and the media. The aim of this particular unit is to help business managers and leaders to understand and engage with decision-making, stakeholder analysis, stakeholder engagement and media principles during crises. This unit has been positioned in the latter part of the program as exploring stakeholder engagement and media requires students to have a broad multidisciplinary, 'big picture' view of businesses and how they operate. This unit

provides builds upon the earlier learning in GSN407 Communicating to Influence and complements the other units in the Leadership and Strategy elective pathway.

**GSZ560 Advanced Strategy for Global Business**

Pre-requisites	GSZ405 or GSN405
Equivalent s	GSN560
Credit Points	6
Campus	Online and Gardens Point
Availabilities	<b>Gardens Point</b> - FPA (Block) <b>Online</b> - FP06B

Business leaders today need to be multi-disciplinary strategic thinkers, who have foresight and an ability to take a big-picture, long term view of an organisation. Additionally, the ability to make decisions, often with incomplete information, and to determine appropriate strategic responses to a complex, global business problems and opportunities is a key determinant of positive business outcomes. The aim of this unit is to enable students to develop a sophisticated knowledge and application of strategic analysis techniques and approaches, including the dynamics of stakeholder dependencies, the nature of complex and ambiguous problems, an understanding of the pivotal role of data and information in the strategy process and the limitations of theoretical models. This unit has been positioned in the latter part of the program building upon the learning in GSZ405 Strategic

Management and complements the other units in the Leadership and Strategy elective pathway.

**GSZ572 Integrated Workplace Project - Business Planning**

Equivalent s	GSZ416, GSN416
Other requisites	114 CPs of Core EMBA units as approved by MBA Director including GSZ405 and GSZ410
Assumed Knowledge	null
Credit Points	6
Campus	Online and Gardens Point
Availabilities	<b>Gardens Point</b> - FPA (Block) <b>Online</b> - FPAB

The confidence to lead in complex business environments requires business leaders to look at problems and opportunities from multiple perspectives, to determine the course of action through integrating multi-disciplinary knowledge and skills, make decisions with incomplete information and to be a highly effective and persuasive communicator. The aim of this unit is to enable you to apply the learnings from the program in an integrated manner to address a complex work-based problem or a new or emerging business opportunity of interest to you, your employer or a sponsoring organisation. This capstone unit in the Executive MBA program and draws together and integrates learning from across the program and assists students to synthesise approaches, frameworks and theory in a manner that

provides practical ways to apply them to an industry project.

### GSZ601 Leading Self and Others

Anti-requisites	GSZ554
Credit Points	12
Campus	Online and Gardens Point
Availabilities	<b>Online</b> - FP05A, FP11A

Leaders develop their leadership skills through self-awareness, individual planning, courage and commitment. Through the application of personal insight and feedback they understand their strengths, weaknesses and opportunities for improvement, building capacity both within themselves and those they lead. Effective personal and inter-personal leadership is fundamental to excellence in all aspects of the enterprise and is the key to mobilising group dynamics and fulfilling human potential.

### GSZ602 Actioning Strategic Innovation

Anti-requisites	GSN405
Credit Points	12
Campus	Online and Gardens Point
Availabilities	<b>Online</b> - FP05A, FP11A

Managing the formulation and implementation of strategy requires the ability to develop innovative solutions for problems in complex environments and plan for their implementation. This unit examines strategic management and innovation

concepts and frameworks that will help the manager to understand the strategic context of the enterprise, identify and deliver benefits from new strategic initiatives that may be regarded as innovative for their organisation. Management competencies are developed through the application of strategic concepts and frameworks to real-life case studies of innovation projects.

### GSZ603 Communicating for Results

Anti-requisites	GSN407, GSZ407
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - FPA

Whether contributing to or running meetings, negotiating, making presentations, coaching, writing, or engaging remote stakeholders and staff, communication is at the heart of a manager's work. As an individual's role broadens to encompass enterprise-wide responsibilities their skills need to embrace communicating direction and vision. Successful teams and organisations depend upon managers having a sound understanding of communication processes and a realistic awareness of their own communication behaviours, including listening, questioning, framing and persuading - both in one-to-one and one-to-many contexts.

### GSZ604 Leading Ethical Organisations

Anti-requisites	GSN456
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - FP09A

Leadership plays a central role in shaping the system that incubates the conduct of individuals and teams. Leaders do this formally and informally. In the aftermath of an ethical failure, focus is placed on the formal mechanisms that leaders have designed and implemented - codes, compliance frameworks, policy documents and other such artefacts. While these are important, informal mechanisms can be more powerful in shaping ethical conduct. These are the messages that leaders in the organisation send through actions, choices and decisions. Everything a leader does, sends a signal. Over time these signals tell employees what the organisation really values. Leaders require understanding of how situational and contextual factors impact the culture that fosters ethical behaviour. They need to understand how the inherent challenges of complex environments impact their capacity to act with courage and wisdom to orient their organizations toward their social and economic purpose.

### GSZ606 Leading Strategic Initiatives

Credit	12
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## Units

Points	
Campus	Online
Availabilities	<b>Online</b> - FP08A

Leading and managing strategic initiatives requires a range of skills and capabilities for aspiring enterprise leader that transcend traditional management functions.

Aspiring leaders must be able to design and lead organisational transformation initiatives in complex and changing environments, which requires self-awareness, the ability to engage with diverse stakeholders and senior executives both within and external to the organization, and to manage conflicting interests. Importantly leaders must also ensure success by aligning program and organisational strategy.

### GSZ608 Managing Stakeholder Relationships

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - FP10A

The aim of stakeholder relationship management is to influence stakeholder attitudes, decisions, and actions for mutual benefit. Developing and maintaining good stakeholder relationships is a vital function of leaders who need to achieve outcomes for the enterprise through projects or strategic initiatives. Identifying stakeholders and managing their expectations requires excellent analytical and communication skills and an understanding of what drives

the individuals involved with the project. Good stakeholder management not only ensures the working environment runs smoothly, it helps to mitigate risk, align business goals and eliminate delays.

### GSZ612 Data and Information Literacy

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - FP10A

High performance organisations are more likely to be sophisticated users of people data and analytics. Applying logic and analysis techniques with workforce data can mean organisations can contain costs while minimising workforce scarcity and business disruption. In a rapidly changing business landscape people data and analytics can also help managers constantly reshape their workforce to meet emergent needs.

### GSZ614 Leading for High Performance

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - FP03A

With the ability to do business globally, and new entrants representing disruption to established business models, it is now more important than ever to have a distinctive, high performance culture. Organisations need to be looking for ways to achieve the next level of excellence

through focus on elements of high performance culture. Leading for High-Performance explores practical implementation of current practices adopted by successful high-performance organisations worldwide. Students are provided with an opportunity to broaden their management skills within the context of high-performance organisations by engaging with the relationship between people management and general management issues and processes.

### GSZ615 Leader as Coach

Credit Points	12
Campus	External
Availabilities	<b>External</b> - FP08A

This unit lays the foundational theories and practices of leadership through coaching. Students are grounded in the principles and practices of reflective practice and action learning as core elements of leading and learning in contemporary organisational life. The unit introduces the best of contemporary coaching conversational practices drawn primarily from the field of executive coaching, which itself draws on multidisciplinary practice. The aim of this unit is to provide students with theories, models and practices that will provide a solid foundation for exploring and extending their knowledge and application of leadership through coaching in complex organisational contexts.

Students will develop a systems perspective of leadership development and organisational life, and understand the role of reflective practice and action learning in promoting growth and learning at an individual, group and organisational level.

### GSZ616 Systems Thinking for Leaders

Credit Points	12
Campus	External
Availabilities	<b>External</b> - FP08A

This unit in the Graduate Certificate (Enterprise Leadership) develops systems thinking skills that enable leaders and managers to work with others on the complex, multi-faceted business problems of today and tomorrow. Leaders and managers of organisations deal with complex problems whose resolution requires holistic approaches and sophisticated thinking. The aim of this unit is for students to develop systems thinking skills in a reflexive process involving the application of systems methodologies in isolation and in combination as they apply to complex business problems. By completing this unit, students will be equipped with a foundational knowledge related to systems methodologies as well as a toolkit of models and thinking frames that equip and enable them to work with others to intervene thoughtfully in complex organisational systems to address multi-dimensional business

problems.

### GSZ631 Managing within the Context of Government

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>External</b> - FP04A, FP05A, FP06A, FP06A, FP06A, FP08A, FP08A, FP09A, FP09A, FP10A, FP11A, FP11A, FP11A, FP11A, FP12A, FP12A, FPA, FPB, FPB

The aim of this unit is to develop students' understanding of the context and influence of the government environment in which they operate so that they are able to best deliver public value. Public sector managers need to understand the context within which they operate. This context is bounded by global, national and local features and constrained by political, institutional and legislative processes and conventions. High performing public sector managers must be able to demonstrate political acumen as well as managerial skill to be high performers. Non-government and private sector managers encouraged to enter the modern public sector need a coherent whole of government understanding before being able to function effectively. This unit is the first unit of the program and builds a foundation of understanding of the context of government within which public sector managers operate. This unit provides the holistic context of operation for the subsequent units.

### GSZ632 Managing Self and Others

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>External</b> - 12AP1, 12AP1, 12AP1, 12AP1, 12AP1, FP07A, FP08A, FP09A, FP09A, FP10A, FP10A, FP11A, FP11A, FPB, FPB, FPB

The aim of this unit is for students to increase their understanding of themselves in order to develop greater insight and more effective strategies for managing within the public sector environment. Self awareness provides a foundation for personal and management development. This unit provides an opportunity for students to increase their understanding of themselves and how their interactions with others impact on their effectiveness as managers in the public sector environment. This unit is the second unit of the program and references effective behaviour and style of management in the context of government examined in unit one.

### GSZ633 Managing Outwards in a Networked Government

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>External</b> - 12AP1, 12AP1, 12AP1, 12AP1, 12AP1, 12AP1, 12AP1, 12AP1, 12AP1, FP11A, FPB, FPB, FPB, FPB

Contemporary public sector and non-government organisation managers and those aspiring to management, face many challenges as government organisations

change the way they provide services in response to new and diverse environmental demands. The capacity to think systemically, to adapt, to work in flexible ways and to collaborate are key attributes for managers. Managing strategic and operational relationships with citizens, stakeholders and communities in policy, networked and contestable settings distinguishes public managers from their private counterparts. This unit seeks to build managers' awareness, knowledge and skills to collaborate effectively in complex cross-sectoral environments. This unit builds upon the understanding of the context in which public sector managers operate, and the understanding of personal operational styles, to turn the focus outwards and to build further knowledge and skills for application in wider contexts of operation.

**GSZ634 Managing Operations for Outcomes**

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>External</b> - 12AP1, 12AP1, 12AP1, 12AP1, 12AP1, 12AP1, 12AP2, 12AP2, 12AP2, 12AP2, 12AP2

The aim of this unit is to build the overall operational capabilities of public sector managers to deliver and sustain ongoing public sector value. Government agencies and NGOs need to continually review their strategies to ensure that context is

understood, stakeholders are engaged, outcomes are achieved, innovation is an organisational practice and review and enhancement processes are embedded. This unit, as the final unit of the program, concentrates on applying the learning from the 3 previous units to the operational context of public sector management via the Capstone Workplace Project.

**HLB001 Health Needs of Aboriginal and Torres Strait Islander Australians**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit takes a holistic perspective to engage you in exploring the historical, socio-cultural, political and cultural beliefs that influence Indigenous health and well-being in Australia today. You will be supported to develop your skills, knowledge and understanding of Indigenous health and well-being utilising a population health approach to addressing health disparities and applying evidence based care within the framework of the social determinants of health.

**HLB002 International Study Experience**

Pre-requisites	Academic approval and successful completion of 96 credit points of study in your current course
Other requisites	Academic approval and successful completion of 96 credit points of study in your current course. Students must have successfully

	completed an approved QUT Study Abroad to be eligible to undertake this unit.
Assumed Knowledge	null
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 (Block)

Following an approved Outward Bound Mobility activity, this unit provides an opportunity for students to further develop knowledge and skills for working in a globalised context through exploration and analysis. We live in a rapidly changing and increasingly globalised society. Many professionals today are faced with challenges that require an understanding of global trends and issues that influence practice and health care provision in their discipline. Learning in this unit advances students' knowledge and skills regarding health practice in global contexts through analysis of an international study experience undertaken during the course and examination of health care provision in comparison with the United Nations Sustainable Development Goal and related targets. Learning activities offer an international 'lens' through which students reflect on experiences enabling the opportunity to broaden and deepen a repertoire of skills for working in local and/or global contexts.

**HLB003 Interprofessional Learning (IPL) Elective**

Other requisites	Successful completion of 96 credit points of study in your
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## Units

	current course. To undertake assessment in this unit you must be undertaking an approved IPL activity during the semester of enrolment, or have undertaken an approved IPL activity during the preceding semester. Approved IPL activities include the Health Fusion Team Challenge, Outreach activities conducted by QUT Health Clinics, or as negotiated with your coordinator.
Assumed Knowledge	null
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Present and future health workforces are/will be facing the challenge of providing effective health services in the face of increasingly complex health issues. The World Health Organisation (2010) states that integrated, interprofessional services are required if we are to meet the challenges of health care into the future. Interprofessional collaboration in education and practice is recognised as a key strategy that will play an important role in strengthening health care systems, globally and locally, and improving health outcomes. This unit offers the opportunity for you to build on your knowledge regarding interprofessional practice and develop advanced skills that can be applied in diverse contexts.

### HLB300 Independent Study

Pre-requisites	Completion of 192cp
Credit Points	12

Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

This unit provides the opportunity to substantively explore a topic or subject of personal academic interest within your discipline area. It enables you to extend your knowledge and understanding of a topic area that is not otherwise available as a formal unit of study within the course, and your skills in knowledge development and knowledge management. This is a self-directed learning opportunity and prior to enrolling in the unit you will need to organise an academic supervisor with whom you will discuss your proposed study, its learning outcomes and any issues related to its successful completion.

### HLH101 Research Funding Proposal

Co-requisites	HLH104, HLH105 and HLH107-1
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

A major source of funding for biomedical research in Australia is provided by competitive grants awarded by national funding bodies such as the National Health & Medical Research Council and Australian Research Council. Additional contemporary sources of smaller "seed" funding for clinical or translational projects, and/or projects at the discovery phase include discipline specific societies and foundations that

administer donations from the public. The scope of the projects you will be conducting are appropriate for targeting funding from these organisations. Examples of these organisations include Hospital Foundations, and larger foundations that fund research to improve health outcomes such as the Paul Ramsay Foundation, Thrasher Foundation and Ramaciotti Foundation. Project proposals required by foundations and societies require; a review of the existing literature in the area and a clear vision of how your project fits the discipline, a clear statement of the aims of the study and a detailed description of the methodology that will be used to address these aims. Most importantly they require a clear description of the health and wellbeing benefits to society and the potential for rapid translation of the project into policy changes / clinical practice.

### HLH104 Manuscript Critique

Co-requisites	HLH101 and HLH105 and HLH107-1
Equivalent s	HLP104
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Advances in science require a sound understanding of previously published investigations, and an ability to independently critically analyse scientific manuscripts and their significance to the area of investigation.



**HLH105 Research Strategies 1**

Co-requisites	HLH101 and HLH104 and HLH107-1
Equivalent s	HLP105
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit is designed to provide opportunities for you to experience and develop core research skills. The transition from undergraduate scholar to independent researcher, regardless of the field of research, requires both general and specific thinking and practical research skills, together with research strategies additional to those obtained in an undergraduate degree. As part of the training for a career in research this unit will include exposure, experience and training in cross-disciplinary and extra-disciplinary research skills and strategies. Active student participation in workshops and seminars provide opportunities for self-reflection, initiative and actualisation.

**HLH106 Research Strategies 2**

Pre-requisites	HLH101 and HLH104 and HLH105 and HLH107-1
Co-requisites	HLH107-2 and HLH107-3 and HLH107-4
Equivalent s	HLP106
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is designed to provide the basis for you to experience and develop skills in the primary components of

research. The transition from undergraduate scholar to independent researcher requires both general and specific thinking and practical research skills, together with research strategies additional to those obtained in an undergraduate degree. As part of the training for a career in research this unit will include experience and training in cross-disciplinary and extra-disciplinary research skills and strategies. Active student participation in workshops and seminars provide opportunities for self-reflection, initiative and actualisation.

**HLH107 Research Project 1**

Co-requisites	HLH101 and HLH104 and HLH105
Equivalent s	HLP107-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

A career in research, regardless of the field, will involve your understanding of the methods of independent scientific investigation and analysis, your ability to identify the need for a particular investigation, your skills to frame a testable hypothesis and design appropriate tests to examine it, and communicate your ideas and arguments to others. Thus, this unit builds on the knowledge you have gained in your undergraduate units, with particular emphasis on practical aspects of technique applications, data interpretation, and the presentation of a scientific and

logical argument in a coherent and acceptable format.

**HLH107 Research Project 3**

Pre-requisites	HLH107-2. HLH107-2 can be studied in the same teaching period as HLH107-3
Co-requisites	HLH106
Equivalent s	HLP107-3
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

A career in research will involve your understanding of the methods of independent scientific investigation and analysis, your ability to identify the need for a particular investigation, your skills to frame a testable hypothesis and design appropriate tests to examine it, and communication of your ideas and arguments to others. Thus, this unit builds on the knowledge you have gained in your undergraduate units, with particular emphasis on practical aspects of technique applications, data interpretation, and the presentation of a scientific argument in a coherent and acceptable format.

**HLH107 Research Project 4**

Pre-requisites	HLH107-3. HLH107-3 can be studied in the same teaching period as HLH107-4
Co-requisites	HLH106
Equivalent s	HLP107-4
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

A career in research will involve your understanding of the methods of independent scientific investigation and analysis, your ability to identify the need for a particular investigation, your skills to frame a testable hypothesis and design appropriate tests to examine it, and communicate your ideas and arguments to others. Thus, this unit builds on the knowledge you have gained in your undergraduate units, with particular emphasis on practical aspects of technique applications, data interpretation, and the presentation of a scientific argument in a coherent and acceptable format.

### HLH107 Research Project 2

Pre-requisites	HLH107-1
Co-requisites	HLH106
Equivalent s	HLP107-2
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

A career in research will involve your understanding of the methods of independent scientific investigation and analysis, your ability to identify the need for a particular investigation, your skills to frame a testable hypothesis and design appropriate tests to examine it, and communicate ideas and arguments to others. Thus, this unit builds on the knowledge you have gained in your undergraduate units, with particular emphasis on practical aspects of technique

applications, data interpretation, and the presentation of a scientific argument in a coherent and acceptable format.

### HLH401 Advanced Research Methods

Pre-requisites	PUB561 or (XNB251 and XNB255)
Anti-requisites	
Equivalent s	
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit enables you to apply advanced knowledge and research skills to a specific area of professional interest and to develop your own research project. The unit provides opportunities to consolidate your critical analysis and problem solving skills in an autonomous way to prepare for and integrate your theoretical knowledge with a work related Capstone project. Specifically you will develop the skills needed to formulate a theoretically sound research questions or hypotheses, select appropriate research methodologies, data collection methods and analyses needed to answer your research questions or test hypotheses, and to interpret and report the outcomes. It will prepare you to adopt a questioning and critical approach to your clinical practice and develop critical thinking and reasoning skills applied to the evidence around a topic of your choice. You will undertake a systematic

literature search and a critical review of the evidence.

### HLH402 Research Project for Honours

Pre-requisites	Completion of 288 credit points including HLH401 or HLB401
Equivalent s	HLB402
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is in the fourth year of your program and provides extended, independent skills in research by partnering you with an experienced researcher to answer a practice related research question. The unit will enable you to explore a topic in an area of special interest and gain skills in the integration of research with practice and a potential career as a researcher and leader in your chosen field. The research project is the culmination of your Honours degree in your chosen discipline area. It scaffolds your synthesis of knowledge and skills to develop independently as a researcher with guidance from selected mentors, and apply these to answer a research question at an advanced level. The aim of the Research project for honours is to successfully complete a research project in your discipline area, by showing mastering of written and verbal communication of the outcomes of your research project.

### HLH403 Research Project for Honours

Pre-requisites	HLH403-1 or HLB403-1
Equivalent s	HLB403-2
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

The research project is the culmination of your Honours degree in your chosen discipline area. It scaffolds your synthesis of knowledge and skills to develop independently as a researcher with guidance from selected mentors, and apply these to answer a research question at an advanced level.

### HLH403 Research Project for Honours

Pre-requisites	Completion of 288 credit points including HLH401 or HLB401 or SWH401
Equivalent s	HLB403-1
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

The research project is the culmination of your Honours degree in your chosen discipline area. It scaffolds your synthesis of knowledge and skills to develop independently as a researcher with guidance from selected mentors, and apply these to answer a research question at an advanced level.

### HLN004 Chronic Conditions Prevention and Management

Credit Points	12
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Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

The prevalence of chronic conditions and the range of factors contributing to their development are increasing and placing demands on communities and health care systems worldwide. Major chronic conditions will be considered within a continuum of care with a particular emphasis on primary health care and the prevention, rehabilitation and management of chronic conditions in the Australian and International contexts. You will examine and critique a range of current policies, frameworks, strategies and approaches to the prevention and management of chronic conditions and then contextualise and apply these findings to your particular area of practice or interest.

### HLN405 Qualitative Research

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1, SEM-2

The unit offers the opportunity to study, explore and understand a range of qualitative research methodologies and methods. In so doing, the unit exposes students to a knowledge base that may inform post graduate qualitative research. It encourages students to question and contest knowledge and to

constructively defend points of view. Key principals, concepts and skills will be developed to inform qualitative research across a range of disciplines and contexts. The dominance of the positivist or natural science approach in health research has come into question because of its singular emphasis on producing 'objective' truths. In response, it is argued that culture, power and ideology must be understood as integral components of any research. Qualitative inquiry, in all its forms, is underpinned by the assumption that the social world can only be interpreted.

### HLN700 Dissertation

Credit Points	48
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM <b>External</b> - SEM-1, SEM-2, SUM

To ensure high quality practice, advanced level practitioners are continually required to reflect upon and modify their own practice to incorporate knowledge of the most recent research evidence. This requires advanced skills in the critical evaluation, interpretation and application of research. The dissertation provides advanced skill development in these areas, and enables you to undertake a research project in a specialised area of practice. HLN700 Dissertation is offered in Semester 1, Semester 2 and Summer. No student should enrol in any offering until they have secured a Supervisor

who is available during that semester. Note: The Summer offering is not available to Nursing students. Students in the School of Nursing should contact [nursing.admin@qut.edu.au](mailto:nursing.admin@qut.edu.au) in the semester prior to enrolment for further information and guidance on supervision.

### HLN701 Independent Study

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM <b>External</b> - SEM-1, SEM-2

The development of critical appraisal skills is essential for students undertaking postgraduate study. This unit provides an opportunity to investigate a relevant topic in your area of study. In the process of identifying, gathering and analysing up-to-date relevant literature, you will strengthen skills in the synthesis of information and report writing relevant to your field.

### HLN703 Project

Equivalent s	HLQ703
Credit Points	24
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM <b>External</b> - SEM-1, SEM-2, SUM

The ability to apply advanced knowledge and skills with a high level of autonomy is a hallmark of postgraduate education at the Masters level. By undertaking a scholarly

piece of work this unit gives you the opportunity to consolidate, extend and apply the skills that you have gained to date in an area that is relevant to your field of study, by demonstrating creativity and initiative to analyse and synthesis knowledge. HLN703 Project is offered in Semester 1, Semester 2 and Summer. Students enrolled through the School of Nursing should contact

[nursing.admin@qut.edu.au](mailto:nursing.admin@qut.edu.au)  
The Summer offering is not available to NS80 Master of Advanced Practice Nursing or NS85 Master of Nursing students. PU86 Master of Public Health students must have successfully completed HLN707 Research Methods in Health before undertaking HLN703. Nursing students must have successfully completed NSN434 Evidence Based Practice and Research Design before undertaking HLN703.

### HLN706 Health Statistics 2

Pre-requisites	PUN105
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This is an advanced biostatistics unit focused on statistical modelling, a common approach in the analysis of health data. It focuses on developing an understanding, both theoretical and practical, of generalised linear models (GLMs), factor analysis and survival analysis. GLMs include simple linear regression,

multiple regression, logistic regression, Poisson regression and repeated measures analysis, and provide a unifying framework to illustrate the ideas of statistical modelling. This unit builds on the introductory unit PUN105 Health Statistics 1 by extending your analytical and reporting skills, enabling a wider range of analysis to be conducted in support of applied research.

### HLN707 Research Methods in Health

Pre-requisites	Completion of 96 credit points of study
Equivalent s	HLQ707
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

The purpose of this unit is to help you plan your research and develop a viable and ethical research proposal, which will prepare you to undertake an independent 24 credit point project (HLN703) or a 48 credit point dissertation (HLN700 or HLN750-1, -2) or acts as a stand-alone research unit for 'scholar-practitioners'. This unit aim to provide clinicians and health practitioners the supported experience of becoming a scholar practitioner and able to link their research knowledge with practice. Students will learn how to apply theoretical and methodological rigour to their work in practice.



**HLN710 Epidemiology**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

This is a foundational health unit addressing the essential epidemiological skills and principles that health professionals need to develop for effective public health and clinical practice. Epidemiology can assist in determining risk factors associated with diseases, and what factors may protect against disease. Epidemiology also identifies the effectiveness of health interventions and quantifies potential harms. The skills of scientific assessment of the effectiveness of prevention strategies are necessary for service provision and policy development. In this unit you will develop the ability to critically evaluate research and study designs using epidemiological techniques. This introductory unit develops the skills in effectively assessing and interpreting health data and the medical literature. The unit explains how to calculate key measures of disease occurrence and association, and contemporary issues of major importance in health.

**HLN712 Dissertation**

Pre-requisites	HLN712-1
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

To ensure high quality practice and public safety, psychologists are required to reflect upon and modify their own practice to incorporate recent research evidence. This is the second of four units you will complete as part of your program of research in either the Master of Clinical Psychology or the Master of Psychology (Educational and Developmental). You will continue work on the research project you commenced in HLN712-1, commencing data collection, refining the drafts of your dissertation, and continuing to meet with your research supervisor.

**HLN712 Dissertation**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

To ensure high quality practice and public safety, psychologists are required to reflect upon and modify their own practice to incorporate recent research evidence. This is the first of four units you will complete as part of your research program in either the Master of Clinical Psychology or the Master of Psychology (Educational and Developmental). You will commence the groundwork for your project by identifying your research question, determining the methodology you will use to answer this research question, apply for ethical and health and safety clearance to run your study, and present your proposed research to an

audience of your peers and supervisors.

**HLN712 Dissertation**

Pre-requisites	HLN712-3. HLN712-3 can be studied in the same semester as HLN712-4
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

To ensure high quality practice and public safety, psychologists are required to reflect upon and modify their own practice to incorporate recent research evidence. This is the final unit you will complete as part of your program of research in either the Master of Clinical Psychology or the Master of Psychology (Educational and Developmental). You will finalise your dissertation for the project you commenced in HLN712-1 and continued in both HLN712-2 and HLN712-3. By this point you will be writing your discussion and finalising your complete thesis, culminating in submission of the final document.

**HLN712 Dissertation**

Pre-requisites	HLN712-2
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

To ensure high quality practice and public safety, psychologists are required to reflect upon and modify their own practice to incorporate recent research evidence. This is the third of four units you will

complete as part of your program of research in either the Master of Clinical Psychology or the Master of Psychology (Educational and Developmental). You will continue work on the research project you commenced in HLN712-1 and continued in HLN712-2, nearing completion of your data collection and analysis (or equivalent), and continuing to meet with your research supervisor and submit drafts of your work.

### HLN750 Dissertation

Credit Points	24
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM <b>External</b> - SEM-1, SEM-2, SUM

To ensure high quality practice, advanced level practitioners are continually required to reflect upon and modify their own practice to incorporate knowledge of the most recent research evidence. This requires advanced skills in the critical evaluation, interpretation and application of research. The dissertation provides advanced skill development in these areas, and enables you to undertake a research project in a specialised area of practice. HLN750-2 Dissertation is offered in Semester 1, Semester 2 and Summer. No student should enrol in any offering until they have secured a Supervisor who is available during that semester. Note: The Summer offering is not available to Nursing students. Students in the School of

Nursing should contact [nursing.admin@qut.edu.au](mailto:nursing.admin@qut.edu.au) in the semester prior to enrolment for further information and guidance on supervision.

### HLN750 Dissertation

Credit Points	24
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM <b>External</b> - SEM-1, SEM-2, SUM

To ensure high quality practice, advanced level practitioners are continually required to reflect upon and modify their own practice to incorporate knowledge of the most recent research evidence. This requires advanced skills in the critical evaluation, interpretation and application of research. The dissertation provides advanced skill development in these areas, and enables you to undertake a research project in specialised area of practice. HLN750-1 Dissertation is offered in Semester 1, Semester 2 and Summer. No student should enrol in any offering until they have secured a Supervisor who is available during that semester. Note: The Summer offering is not available to Nursing students. Students in the School of Nursing should contact [nursing.admin@qut.edu.au](mailto:nursing.admin@qut.edu.au) in the semester prior to enrolment for further information and guidance on supervision.

### HLQ707 Research Methods in Health

Pre-requisites	Completion of 96 credit points of study
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Equivalent s	HLN707
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

An understanding of the research process and how to interpret and critically evaluate research literature is essential in evidence-based health practice. In this unit you will analyse and critique research methods and evidence with reference to real world experiences and develop the skills to design a viable and ethical research proposal to investigate a particular area of practice relevant to your specialisation and/or professional interest, which will prepare you to undertake an independent project unit. This unit aims to provide clinicians and health practitioners the supported experience of becoming a scholar practitioner and able to link their research knowledge with practice. Course themes emphasised in this unit are ethical and responsible practice, and clinical informatics, eHealth and digital literacy.

### HLQ709 Project

Pre-requisites	HLQ707 and completion of 72 credit points of study
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES3

This is a capstone-type unit that you are expected to complete as a culmination of the learnings throughout your

course. It provides you with the opportunity to consider a real world problem (that you have identified from within your workplace) and examine the issue from an academic perspective bringing to bear your research skills and applying your domain knowledge.

### HLZ701 Independent Study

Equivalent s	
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

The development of critical appraisal skills is essential for students undertaking postgraduate study. This unit provides an opportunity to investigate a relevant topic in your area of study. In the process of identifying, gathering and analysing up-to-date relevant literature, you will strengthen skills in the synthesis of information and report writing relevant to your field.

### HLZ703 Project

Equivalent s	HLN703
Credit Points	24
Campus	External
Availabilities	<b>External</b> - SUM

The ability to apply advanced knowledge and skills with a high level of autonomy is a hallmark of postgraduate education at the Masters level. By undertaking a scholarly piece of work this unit gives you the opportunity to

consolidate, extend and apply the knowledge and skills that you have gained to date in an area that is relevant to your field of study. HLZ703 Project is offered in Semester 1, Semester 2 and Summer. You should not enroll in this unit until you have discussed supervision with your discipline coordinator in the semester prior to enrolment. Students enrolled through the School of Nursing should contact [nursing.admin@qut.edu.au](mailto:nursing.admin@qut.edu.au) Nursing students must have successfully completed NSZ434 Evidence Based Practice and Research Design before undertaking HLZ703.

### IAB201 Modelling Techniques for Information Systems

Pre-requisites	(IFB103 or ITD103) and (IFB105 or IFB130 or ITD105)
Anti-requisites	ITD122
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This is an introductory unit that will provide you with the foundational skills and knowledge required for understanding, designing and analysing information systems. The unit aims to develop an appreciation, and an ability to manage, the complexity of contemporary and future information systems and the domains in which they are used. Further, it will provide you with the skills to design artefacts, fit for purpose and

audience, that can be used to solve real-world problems related to information systems. Unit content will play an important role in future units and a wide variety of professional IT activities. This unit expands on knowledge acquired in IFB103 IT Systems Design by introducing conceptual modelling techniques that underpin most modern systems modelling languages. Subsequent units will build on the conceptual modelling skills learned in this unit, for example, by applying it to the techniques covered in IAB203 BPM and IAB204 Business Requirements Analysis.

### IAB203 Business Process Modelling

Equivalent s	INB320
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit continues after IAB201 and introduces business process management concepts: how organisations improve their business processes in terms of time, cost and quality. It introduces process identification and process discovery. Furthermore, it addresses the fundamentals of process modelling: model quality, correctness issues and modelling in BPMN's collaboration and choreography diagrams. After this unit, IAB320 continues with

other business process improvement steps.

### IAB204 Business Requirements Analysis

Pre-requisites	IAB201 or ITD122 or PUB102
Equivalent s	INB220
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces you to the role, knowledge, skills and techniques required of a business analyst. The unit focuses on the tools and methods used by a business analyst, as well as the soft skills such as creativity and communication, all of which are critical to successful business requirements analysis.

### IAB206 Modern Data Management

Pre-requisites	(IFB104 or ITD104) and (IFB105 or IFB130 or ITD105)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Introduce you to the technologies that can be used to address challenges in managing fast incoming, voluminous, and varied data that is increasingly being relied on to make decisions in today's business environment. You will develop practical skills in using modern data management technologies that will prepare you to be a data analyst,

business analyst, solution architect, as well as enterprise architect.

### IAB207 Rapid Web Application Development

Pre-requisites	(IFB103 or ITD103) and (IFB105 or IFB130)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-1, SEM-1, SEM-2, SEM-2, SEM-2

Web applications are widely in use both within enterprises and in consumer applications. Developing Web applications faces significant challenges, including faster delivery of new innovations, robustness for change, and performance scalability. The unit will address these challenges by using Model-View-Controller (MVC) frameworks to support rapid development of web applications. The knowledge and skills developed in this unit are valuable for all IT professional roles – software engineers, business analyst and architects, enabling an understanding of software systems design practices and development practices. This is an introductory unit and students will be exposed to web application development through a guided process of using well known frameworks such as CSS-Bootstrap, Python-Flask and JQuery. It builds on concepts learnt in IFB103 and IFB105 and recommends knowledge of Python programming.

### IAB230 Design of Enterprise IoT

Pre-requisites	IFB104 or INB104 or ITD104
Equivalent s	INB345
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces the components of a mobile ubiquitous system, including stand alone and wearable sensors and wireless network protocols. It introduces the Internet of Things context and develops the skills in designing products and applications that use mobile and ubiquitous sensors and smart devices. The ability to critically review real case studies, expand awareness of interconnections between technologies, networks and user contexts and design a solution to a smart IT context problem is a requirement for a range of graduate positions. This is the first unit in the Mobile Application Development minor and builds on the skills that you developed in IFB103 IT Systems Design, and IFB104 Building IT Systems. IAB330 Mobile Application Development builds on this unit in which you design and build a working prototype system that uses mobile and ubiquitous system components.

### IAB250 Enterprise Systems Configuration

Pre-requisites	IFB103 or ITD103
Equivalent s	IAB350



## Units

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit introduces the fundamentals of enterprise systems configuration. It uses a leading enterprise system to demonstrate how organisations configure these systems to meet organisational and user requirements. Configuring an enterprise system is a substantial undertaking that must take into account technical, business and environmental considerations. This unit commences by introducing core enterprise systems concepts related to organizational structures, process models, and data models. This knowledge then serves as the foundation to configuring financial, sales, procurement, and production related functionalities. With enterprise systems forming the IT backbone of most large organisations, the knowledge and skills learnt in this unit are relevant for any IT professional.

### IAB260 Social Technologies

Pre-requisites	IFB103 or ITD103
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit will introduce you to the theoretical and practical requirements to build and understand social technology platforms, social networks, and

digital communities. You will learn concepts of social technology platforms practical manner, investigate the building blocks of successful digital communities and understand the critical design features. Digital communities are becoming a key feature of the future economy with online communities and social networks are increasingly employed as part of the business model. The success of Digital Communities varies wildly with some communities were successful and others were struggling. This unit explores how to develop successful online communities by incorporating both a theoretical perspective and an architectural perspective.

### IAB303 Data Analytics for Business Insight

Pre-requisites	AYB341 or ((IFB104 or ITD104) and (IFB105 or IFB130 or ITD105))
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

In this unit you will draw on your knowledge and skills learnt in prior IT core units to learn how to problem solve with data for the purposes of extracting business insight. Through the practical lab sessions you will explore the relationship between common business concerns and the data and analytics that can be used to address them, developing the skills to use a range of analytics techniques

with a variety of data. You will also have the opportunity to learn how to present analytics in a meaningful way for business use. Through the workshops, you will be able to increase your understanding of different kinds of data, their importance to business, and why certain analytical and visualisation techniques can be used.

### IAB305 Information Systems Lifecycle Management

Pre-requisites	(IFB103 or ITD103) and (IAB201 or ITD122 or PUB110)
Equivalent s	IAB205
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1

This unit covers the essential activities in information systems lifecycle management. An important role of business analysts and IT managers is to analyse and understand business strategies, capabilities, and objectives to define, select, and implement information systems within organizations to achieve their organizational objectives. This unit provides students with skills and knowledge related to information systems definition, acquisition, development, integration, transformation, implementation, and maintenance within organisations. This unit will expand skills in analysing and designing an IT system from IFB103 Introduction to Systems Analysis and Design and their

## Units

information systems modelling knowledge from IAB201 Modelling Techniques for Information Systems by introducing how information systems can be incorporated with business models, processes and strategic business needs. Skills learned in this unit will be utilised and further developed in IAB301 Enterprise Architecture.

### IAB320 Business Process Improvement

Pre-requisites	IAB203
Equivalent s	INB321
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit fosters developing process analysis, improvement, and design skills of students. These skills and capabilities will prepare you to undertake the digital transformation challenges of today's organisations. You will understand and apply a variety of methods, tools, techniques, and approaches for organisational-wide process improvement initiatives. You will be exposed to a robust selection of quantitative and qualitative analysis techniques as well as key process redesign paradigms used in the industry. This will involve developing your knowledge and expertise in different process improvement methodologies such as Lean, Six Sigma and Process Reengineering using a hands-on teaching approach with real-

life case studies to enable authentic learning outcomes.

### IAB321 Business Process Technologies

Pre-requisites	IAB203
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Whether you will be a business analyst, a process owner, a solution architect or a software engineer, it is essential that you understand the principles and value of business process automation, in order to fully realise the benefits of Business Process Management. This unit introduces the fundamentals of "business process automation". You will learn how to develop an executable business process based on a business-oriented process model. You will practice how to automate an executable process using a business process management system (BPMS) and how to monitor its progress. The unit further presents various post-execution techniques for analysing the behaviour of automated processes. The hands-on approach allows students to design, control and analyse automated business processes using a variety of well-known business process technologies.

### IAB330 Mobile Application Development

Pre-requisites	IAB230 or CAB201 or ITD121
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Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Mobile, tablet and wearable devices are the emerging computing platforms, resulting in a high demand for creative developers to build innovative cross platform applications, and given the variety of platforms there is a major skills shortage. This unit aims to provide the theoretical and technical knowledge and skills to design, develop, and publish mobile apps. You will extend your design and development skills by working collaboratively in multi-cultural and multi-disciplinary teams to acquire a solid practical foundation for the design and development of innovative mobile and pervasive systems.

### IAB351 Business in the Cloud

Pre-requisites	IFB103 or ITD103
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit provides knowledge and skills in designing businesses and systems in Cloud settings. It covers many aspects of the design in business models and IT systems, it introduces skills for developing business models and IT systems architecture, relevant for the Cloud. In addition, you will learn key management practices to develop business cases,

manage businesses and IT systems as services, and understand privacy, security and regulatory policy that governs the use of cloud services. Through the unit, you will be exposed to authentic industry cases drawn from key sectors such as banking, retail and government. The knowledge and skills the unit provides are widely used by management consulting firms and IT professional roles such as Enterprise Architects, Business Architects, Solution Architects and Business Analysts. The unit uses knowledge provided in IAB305 Information Systems Lifecycle Management, applied for Business Cloud applications.

### IAB401 Enterprise Architecture

Pre-requisites	IAB305
Equivalent s	INB222 IAB301
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit covers Enterprise Architecture (EA) theory and practice, concerning the ways in which business and IT systems are planned and designed using modelling techniques. EA focuses on organizational capability maps, which reflect what businesses do, independent of business. The techniques for capturing different artefacts at business and IT levels relevant to systems planning will include business services, processes, information and resources. Students will be taught how to

develop a multi-layered EA based on state-of-the-art modelling techniques in TOGAF Archimate and UML. Importantly, this unit extends your knowledge and skills to model, design and problem and pursue careers in EA, modelling, design and solution architecture of individual systems. The unit links to and extends learning from previous units in Data and Information Management and Process Modelling.

### IAB402 Information Systems Consulting

Pre-requisites	IAB204
Equivalent s	INB322 IAB302
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

In IAB402 Information Systems Consulting, you will gain an appreciation of the management of consulting practices and an understanding of the consulting sector generally. Having developed business requirements analysis skills in IAB305 to identify systems problems or opportunities and specify solution-approaches, Business Analysts and other IT professionals must be able to convincingly communicate these (problems, opportunities, requirements, solution-approach) to managers, colleagues and clients in the form of a proposal. Many roles benefit from such specialised proposal writing and communication capabilities.

Organisations are increasingly moving to flatter, project-oriented, team structures, akin to consulting firms. A better appreciation of the consulting process will be beneficial to students working in these modern organisations as IT professionals. The unit will provide information on establishing a consulting practice and techniques to engage clients successfully.

### IFB102 Introduction to Computer Systems

Anti-requisites	ITD102
Equivalent s	IND102
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This is an introductory computer science unit concerning computer systems, in particular how modern computer systems work, how they are structured, and how they operate. Computer systems are ubiquitous and yet they are unlike any other man-made product or system; they appear magical and are notoriously difficult to work with and manage in projects. This unit's goal is to demystify computer systems so students can appreciate, understand and utilise computer systems in their subsequent learning, and effectively participate in the IT industry. Students will study computers, networks, operating systems and the Web. Raspberry Pi computers will be



used throughout the unit and at the end students will build their own small computer system using a Raspberry Pi.

**IFB103 IT Systems Design**

Anti-requisites	ITD103
Equivalent s	INB182
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Developing an innovative, practical and cost-effective IT solution that is user-focused is a complex task for IT experts. It requires a systematic process that includes: 1) identifying and clarifying a business problem that an IT system can help to resolve; 2) collecting and interpreting requirements; 3) decomposing the system into its components; and, 4) prototyping techniques to ensure that all the components of the system satisfy the requirements. This unit presents students with authentic industry challenges in which you apply your IT knowledge, fundamental analysis and design techniques. It exposes you to design contexts, theories, processes, principles and methods that IT experts use, either individually or in a group, to analyse and design an IT system. The unit builds your skills towards any career related to operational analysis and design of a specific business scope, including Business Systems Analyst, Solution Architect, and Project Manager.

**IFB104 Building IT Systems**

Anti-requisites	ITD104
Equivalent s	INB104, IND104, ITB001
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides a hands-on introduction to computer programming for students with no prior coding experience at all. It introduces the basic principles of programming in a typical imperative language, including expressions, assignment, functions, choice and iteration. It then shows how to use Application Programming Interfaces to complete common Information Technology tasks such as querying databases, creating user interfaces, and searching for patterns in large datasets. The emphasis is on developing skills through practice, so the unit includes numerous coding exercises and assignments, using a simple scripting language and code development environment. The unit establishes a foundation for later subjects that teach large-scale software development using industrial-strength programming languages.

**IFB105 Database Management**

Equivalent s	IFB130
Credit Points	12
Campus	Gardens Point

Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2
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This is an introductory unit on database addressing the core concepts, requirements and practices of databases. It introduces conceptual data modeling to address a key area of concern of modeling structured data to build a comprehensive understanding of the data aspect of a problem. You will learn how to transform such data model into a relational database design as well as how to effectively retrieve data through SQL queries. Normalization, database security/administration, other special topics and ethical aspects related to information systems are also covered. IAB207 Rapid Web App Development, IAB303 Data Analytics for Business Insights and the Capstone units IFB398 Capstone 1 and IFB399 Capstone 2 build on this unit for data storage/retrieval and business insights. IAB206 Modern Data Management extends this unit earning to unstructured data such as graphs and documents which are also gaining popularity in the real world.

**IFB112 Design of Computer Systems**

Equivalent s	
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SUM

This introductory unit is focused on the design of computer systems, in particular



how modern computer systems work, how they are structured, and how they operate. Computer systems are ubiquitous and yet they are unlike any other product or system; they appear magical and can also be notoriously difficult to work with and manage. This unit's goal is to demystify computer systems so that you can understand and design them yourself. You will study computers, networks, operating systems and the Web. Raspberry Pi computers (<https://www.raspberrypi.org/>) will be used throughout the unit and you will design and build your own small computer system using a Raspberry Pi.

**IFB295 IT Project Management**

Pre-requisites	Completion of 96 credit points of study
Anti-requisites	IAB304 - Project Management
Equivalent s	INB201
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

In your information technology career, you will participate in and then lead project teams that are expected to deliver real benefits to stakeholders. This unit builds on your previous studies of earlier units to define a high-level solution by using a range of approaches of project management methodologies and frameworks. You will enhance your learning of these approaches (Agile, PRINCE2

etc.) by practicing it collaboratively with other students. To be successful in a complex environment, you need to employ appropriate project management strategies, tools and techniques for a given context. This unit provides you with the necessary knowledge and skills to enable you to effectively manage your project in the IFB398 Capstone Project (Phase 1) and IFB399 Capstone Project (Phase 2) and to be prepared for a project environment in industry.

**IFB398 Capstone Project (Phase 1)**

Pre-requisites	IFB299 or IFB295
Equivalent s	CAB398, IAB398
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit gives you the opportunity, under close guidance appropriate to the project, to apply and extend the knowledge and skills gained in your course to date to a substantial IT project. You will have the opportunity to gain knowledge and skills required for careful planning, scope control and task management to ensure the success of a industry-oriented project. Working in a team, you will undertake critical tasks required in the early stages of a project, such as: initial concept development and feasibility analysis,

requirements gathering and analysis, design and project planning. These activities will culminate in the delivery of an initial version of the project deliverable (e.g., software prototype, design document, literature review, environmental scan, research plan, etc.) to stakeholders as a proposal for further development in the unit Capstone Project (Phase 2).

**IFB399 Capstone Project (Phase 2)**

Pre-requisites	IFB398 or CAB398 or IAB398
Equivalent s	CAB399, IAB399
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Building upon the unit IFB398 Capstone Project (Phase 1), this unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date to execute the completion of a planned project. In this unit you will apply your disciplinary and professional knowledge and skills to refine and extend the existing deliverable. You will use appropriate quality assurance techniques to ensure you are meeting your stakeholders' needs. You are expected to work professionally in a team to deliver a high quality outcome to project stakeholders. The final product is to be delivered as a professional package that can be used directly by

stakeholders and, where appropriate, published for access by the broader community.

### IFN001 Advanced Information Research Skills

Credit Points	4
Campus	Online and Kelvin Grove
Availabilities	<b>Online</b> - 6TP1, 6TP2, 6TP3, 6TP4, 6TP5, 6TP6

IFN001 is a 4-credit point mandatory coursework unit for students in IF49, Doctor of Philosophy, IF80, and Masters of Philosophy students. It provides preparation for research at QUT by way of a systematic introduction to research skills and knowledge within the context of students' fields of research. The unit content assists students in their work for the Stage 2 milestone or research proposal completion. IFN001 lays the foundations of independent research, critical evaluation of information and effective management of information and research data, which will be further developed during the progression of a research degree. These skills are essential for scholars operating in today's data intensive research environment and facilitate the capacity for life-long learning.

### IFN004 HDR Internship

Credit Points	0
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - FP08A, FP12A

IFN004 is an optional Work

Integrated Learning unit for students who have secured a research internship during their HDR candidature. Internships are generally for three months but can vary in duration at the discretion of the relevant approvers. The unit has been designed for but not limited to participants in the Graduate Research Education and Development (GRE+D) HDR Internship program. You must have a formally approved and confirmed internship project and agreement to be enrolled in this unit. The aim of this unit is to enable you to undertake a supervised project in an industry environment that involves both practical application and critical reflection. This unit provides you with an opportunity to contextualise your research skills in the real world on an industry-generated problem while building important connections with industry, placing you in a great position to succeed with your future career.

### IFN403 IT Honours Research Project-4

Pre-requisites	IFN403-3. IFN403-4 may be studied in the same teaching period as IFN403-3.
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is the final part of the Honours research project that provides the opportunity to identify and solve discipline based problem logically and creatively. The unit develops

skills and knowledge of conducting independent research, justifying and presenting the research across a range of media. This unit will prepare students to transition to either the professional world or for career in research.

### IFN403 IT Honours Research Project-3

Pre-requisites	IFN403-2. IFN403-3 may be studied in the same teaching period as IFN403-2.
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is a research project and introduces the necessary skills in research. It enables students of Honors degree to start planning and researching a well-defined project with specific outcomes within a precisely defined project plan. The research project is developed further, following the work done in IFN403-1 and IFN403-2. The research project will be developed further and completed in IFN403-4.

### IFN403 IT Honours Research Project-1

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is a research project and introduces the necessary skills in research. It enables students of Honors degree to start planning and researching a well-defined project with specific outcomes within a precisely defined project plan.

This unit draws together the theory, practice and discipline fundamentals that have been covered in the Bachelor's degree as well as the knowledge gained in introduction to research (INN700). The research project will be developed further and completed the following semester in IFN403-2, IFN403-3 and IFN403-4.

### IFN403 IT Honours Research Project-2

Pre-requisites	IFN403-1. IFN403-2 may be studied in the same teaching period as IFN403-1.
Credit Points	12
Campus	Gardens Point
Availability	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is a research project and introduces the necessary skills in research. It enables students of Honors degree to start planning and researching a well-defined project with specific outcomes within a precisely defined project plan. In this unit, the research project is developed further, following the work done in IFN403-1. The research project will be developed further and completed in IFN403-3 and IFN403-4.

### IFN507 Network Systems

Pre-requisites	(IFN551 and IFN553) or (IFQ551 and IFQ553) or IFN503 or Admission to IN15, or IN16
Anti-requisites	INN350, INN251, INN351
Credit Points	12
Campus	Gardens Point
Availability	<b>Gardens Point</b> - SEM-1, SEM-2

This unit introduces the core concepts of computer networks and the Internet, in particular layered network architecture and models, hardware and software, TCP/IP protocol stack, addressing and routing, wireless networks, network security, and network services and applications. It teaches you how modern computer networks and the Internet work, how they are structured, and how they operate. The ability to understand, analyse, design, configure and manage computer networks and network services is a requirement for a range of graduate entry information technology positions. The unit provides the necessary knowledge and skills for further study in networks, cyber security, computer science and other relevant areas. Other advanced-level networks and cyber security units build on this unit by extending your fundamental understanding of computer networks for more complex needs and various network application requirements.

### IFN509 Data Exploration and Mining

Pre-requisites	IFN554 or IFQ554 or Admission to IN15. IFN554 may be studied in the same teaching period as IFN509. IN20 students who commenced prior to 2020 should apply for a requisite waiver.
Anti-requisites	INN342, INN343
Credit Points	12
Campus	Gardens Point
Availability	<b>Gardens Point</b>

es

- SEM-1, SEM-2

This fundamental data science unit addresses the core concepts, techniques and practices of data exploration and mining. In the information age, with astronomical amounts of data produced and made available every minute, data exploration and mining becomes necessary for individuals and organisations who need to make decisions. With the advancements in data storage technology and the need for automation, data analytics skills are now essential. Data analytics methods enable users to manage, interpret, understand, process and analyse the data to find useful insight. This unit will introduce you to a wide range of data analytics methods and theories to manipulate, model and analyze data. This is an introductory unit and the knowledge and skills developed in this unit are relevant to both computer science and non-computer science majors.

### IFN515 Fundamentals of Business Process Management

Anti-requisites	INN321
Equivalents	IFQ515
Credit Points	12
Campus	Gardens Point
Availability	<b>Gardens Point</b> - SEM-1, SEM-2

This unit provides an in-depth introduction towards the management of Business Processes. It takes you through the fundamental

## Units

stages of a typical Business process improvement initiative, from process identification, to monitoring, covering along the way process modelling, analysis redesign and automation.

### IFN521 Foundations of Decision Science

Equivalent s	IFQ521
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Human beings engage in information environments of ever increasing complexity both within organizations and socially. In these environments, human beings interact with information in various ways. This unit introduces principles of cognitive science relevant to understanding how human beings process information and make decisions. In addition, the unit presents relevant frameworks to understand what information really is. Understanding both of these aspects is necessary for modern organizations to be able to exploit their data for effective decision making. IFN623 builds on this unit introducing relevant technologies to support human interactions with information.

### IFN541 Information Security Management

Pre-requisites	IFN503 or (IFN551 and IFN553) or (IFQ551 and IFQ553) or Admission to IN15, IN16, or IN17. IN20 students who commenced
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	prior to 2020 should apply for a requisite waiver.
Anti-requisites	
Equivalent s	IFQ541
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit builds upon the fundamental information security concepts introduced in IFN553. In this unit you will consider aspects of the management of information systems which affect organizational information security; including identity management, authentication, access control, monitoring, risk management, incident response and disaster recovery. Information is an important organisational asset. Information systems store, process and exchange information, and most sectors of the economy are dependent on electronic and often automated systems. Interconnectivity is important for many organizations, but this also increases the exposure to adverse events. Appropriate information security management protects information assets from unauthorized access, use or modification and provides frameworks to deal with the impacts associated with unauthorized disclosure, destruction or modification.

### IFN551 Computer Systems Fundamentals

Anti-requisites	IFN503
Equivalent s	IFQ551
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM5A, SEM5C

### IFN552 Systems Analysis and Design

Equivalent s	IFQ552
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM5A, SEM5C

The unit outlines the process of clarifying business problems that an IT system can help to resolve, and provides a working knowledge of principles, contexts and methods that IT experts use, either individually or in a group, to analyse and design an IT system. The knowledge and skills (both hard skills such as the modelling techniques and soft skills such as team work) that you learn in this unit will be used extensively in your professional life following graduation. The unit builds your skills towards any career related to operational analysis and design of a specific business scope, including Business Analyst, Solution Architect and Project Manager.

### IFN553 Introduction to Security and Networking

Equivalent s	IFQ553
Credit Points	6



## Units

Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM5B, SEM5D

Cyber security breaches - network infiltration, malware, theft of personal or corporate information - are commonplace. The rise of the internet means that malicious actions of individuals may have global impact. This unit introduces essential information security concepts such as confidentiality, integrity, and availability. The Open Systems Interconnection (OSI) model is used to understand network communications. Threats and vulnerabilities are identified, for both stored and transmitted data. An overview of cyber security measures - preventing, detecting and correcting actions that result in harm - is provided. The limitations of such measures are noted, allowing you to develop an understanding of the trade-offs involved in protecting information. You can take this unit as a stand-alone course to raise your awareness of information security issues in networked systems, or as the start of a pathway into further cyber security and networking units.

### IFN554 Databases

Equivalent s	IFQ554
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM5A, SEM5C

This is a foundational unit addressing the core concepts, principles and skills required

for understanding, designing and managing databases. It introduces a conceptual approach to modeling the data aspect of business domains, how to transform a conceptual data model into a relational database design, and how to retrieve and manipulate data through standard database querying techniques. Relevant societal and ethical aspects of database management are also covered. The knowledge and skills involved in developing and managing databases effectively are essential for IT Professional, Business Analyst, and Data Scientist nowadays.

### IFN555 Introduction to Programming

Anti-requisites	IFN501
Equivalent s	IFQ555
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM5A, SEM5C

This unit is designed for those who have never programmed before. It introduces the basic building blocks of algorithms: sequence, selection and iteration and how algorithmic thinking is used to decompose problems into simpler steps. The C# language is used for expressing those steps in a programming language. It introduces an imperative style of programming in which a sequence of statements change the program's state. The program's state consists of a set of variables that contain data of various types. We

introduce basic data types including numbers, text strings and lists. Students are also introduced to processes for debugging and testing programs to ensure their correctness and the forms of professional communication associated with software development.

### IFN556 Object Oriented Programming

Pre-requisites	IFN555 or IFQ555
Anti-requisites	IFN501
Equivalent s	IFQ556
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM5B, SEM5D

In this unit you will learn how the principles of Object-Oriented programming can help combat complexity when developing larger programs. The key concepts are abstraction, encapsulation and polymorphism. Abstraction is the processing of giving a name to something plus generalization – the process of ignoring differences and instead identifying common properties of a collection of objects. Encapsulation is the process of “putting things in a box” – selectively exposing some aspects of what's in the box, but deliberately hiding much of what is in the box. Much like a TV case covers the inner electronics of a TV set, while still exposing controls such as power, channel selection and volume. In object-oriented programming

languages classes and methods provide the principle mechanism for abstraction and encapsulation. Polymorphism is concept of an object being able to have different forms.

### IFN557 Rapid Web Development

Pre-requisites	IFN501 or IFN555 or IFQ555
Anti-requisites	IAB207
Equivalent s	IFQ557
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM5B, SEM5D

This is a foundational unit addressing web application development through a guided process by using well known frameworks such as Bootstrap, and Python-Flask. It introduces the development of a web application, covering development life-cycle phases of design, development, and deployment. The unit provides a working and “hands-on” introduction to different aspects of building an interactive and dynamic application. The knowledge and skills involved in developing web applications are indispensable for all IT professionals. This applies not only for programmers but also for roles such as business analyst and solution architect, which require a strong understanding of development for systems analysis and design practices.

### IFN558 Management Information Systems

Equivalent s	IFQ558
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM5B, SEM5D

Organisations are continuously transforming to leverage the potential of information systems. To be able to effectively transform requires an organisation’s leadership to be fundamentally aware of what an information system actually is how to effectively manage the components of information systems how to make informed decisions based on the data present in the information system This unit provides insights into how information systems can be effectively leveraged by organisations. Drawing on case studies, concepts related to the following will be discussed: components of information systems business analytics data visualisation the design cycle ethical, cultural, and privacy considerations The knowledge and skills taught in this unit will help make you a well-rounded IT professional and prepare you for careers related to business analysis.

### IFN561 Enterprise Systems Lifecycle Management

Pre-requisites	IFN500 or (IFN552 and IFN558) or (IFQ552 and IFQ558) or Admission to IN14, IN17 or IN25
Equivalent s	IFQ561
Credit Points	12
Campus	Gardens Point

Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2
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This is a transitional unit, providing students with fundamental information systems skills relating to different practices in managing information systems in big and small enterprises. Information systems and enterprises are becoming inextricably interwoven. It has become nearly impossible to talk meaningfully about enterprises that are not dependent on information systems of one type or another. An important role of managers is to understand what type of information system they should use to achieve the business strategic objectives or to improve existing business capabilities. This unit provides students with fundamental skills that business analysts or IT managers are required to have in order to be able to analyse business strategies, evaluate how information systems may enable enterprises to achieve strategic objectives, and understand how such an information system can be developed and implemented within an enterprise. Throughout this unit .....

### IFN562 Advanced Business Analysis

Pre-requisites	IFN500 or (IFN552 and IFN558) or (IFQ552 and IFQ558) or Admission to IN14, IN17 or IN25
Equivalent s	IAB204, IFQ562
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b>

Business Analysis is a fascinating and existing domain. With the increased presence of digital technologies now affecting the majority of new solutions, people need to have multidisciplinary skills in Business, Process & Project Management and Information Technology. The Advanced Business Analysis unit aimed to develop deeper understanding of manner in which business solutions incorporating digital technologies will be used, deliver business value, and incisive comprehension of different internal and external stakeholder perspectives in contemporary organisations. The unit focus building problem solving, analytical, and technical capabilities to develop innovative IT system of strategic importance. This unit offers comprehensive understanding of theoretical and practical aspects of business analysis, essential for the well rounded business analyst.

### IFN563 Object Oriented Design

Pre-requisites	IFN501 or (IFN555 and IFN556) or (IFQ555 and IFQ556) or Admission to IN15, IN16 or IN17
Anti-requisites	IFN505
Equivalent s	IFQ563
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM5A, SEM5C

Builds upon the concepts that

you have learned in IFN566, introducing methods of Object Oriented Design which will allow you to solve more complex, real world problems. In this unit you will learn how to identify potential objects and classes by examining the real-world context that the programming is modelling. By basing our software design on entities that exist in the real world, we maximize the chances that our software architecture will age and evolve gracefully – i.e. we won't need to restructure our application completely as the requirements change. This is because our choice of objects is stable – the entities that an organization needs to deal with (for example Customers, Invoices, Vehicles and Projects) will not change completely overnight. You will also learn about and apply several standard software design principles such as SOLID, DRY, KISS and YAGNI. Finally, you will learn how such designs are professionally communicated and used as part of agile design processes.

### IFN564 Data Structures and Algorithms

Pre-requisites	IFN501 or (IFN555 and IFN556) or (IFQ555 and IFQ556) or IFN563 or Admission to IN15, IN16 or IN17
Anti-requisites	IFN505
Equivalent s	IFQ564
Credit Points	6
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM5B, SEM5D

In this unit you will work with some of the fundamental data structures of computer science, those used to represent strings, dictionaries, lists, trees and graphs. You will learn and implement the algorithms commonly used for searching, sorting and processing these data. You will learn how to assess the efficiency of such algorithms, allowing you to distinguish between those which can process large amounts of data efficiently, and those that run unacceptably slowly as the size of the input grows.

### IFN591 Principles of User Experience

Pre-requisites	IFN500 or (IFN552 and IFN558) or (IFQ552 and IFQ558) or Admission to IN15, IN16 or IN17
Equivalent s	IFQ591
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

User Experience (UX) describes how we engage with technology, including how we use, feel, think, and talk about it. It is widely recognized as a key success factor for digital technologies and services that shape how we live, work, socialize, learn, play, and manage our health. In this introduction to User Experience you will learn methods and theories to understand and characterize what experiences matter to people, to generate ideas and create prototypes, and to evaluate the experiences that people have with technology prototypes.



Understanding how to create positive experiences with digital technologies will give students an edge in the market place for jobs as user experience professionals, IT developers, and interaction designers.

### IFN619 Data Analytics for Strategic Decision Makers

Pre-requisites	IFN501 or (IFN555 and IFN556) or (IFQ555 and IFQ556) or IFN503 or (IFN551 and IFN553) or (IFQ551 and IFQ553) or Admission to IN14 or IQ14 or IN23 or IN26 or IN27
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit offers students a practical introduction to the field of data analytics, and its application to making decisions. Students will learn common methods for quantitative and computational analytics, through which they can gain an overview of key concepts, skills, and technologies for sourcing data, performing data analysis, and producing appropriate visualisations. While the course covers relevant technologies for data analytics and information visualisation, the focus is on asking the right questions and solving related problems which are driven from the business/organisational perspective. Students will work with both structured and unstructured data, and will be encouraged to work with open data to address real-life problems in ways that align with ethical principles and good

data governance.

### IFN620 Professional Practice

Equivalents	INN632-6, INN634, ITN280
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit addresses the skills, ethics, values and attitudes necessary in order to perform the duties of a beginning information professional, with special reference to the organisational, cultural, political and managerial structures that have an impact upon the role. Learning about the diverse aspects of professional practice is a critical dimension of career planning, directly supporting students in their choice of employment and in their successful transition into the workplace. Through development of an ePortfolio students are able to present artefacts outlining their knowledge and skills to prospective employers while also gaining an understanding of the way in which professional identity is developed and displayed through multiple pathways and media. The unit runs throughout the duration of the degree, culminating in the release of a professional ePortfolio.

### IFN631 IT Governance

Pre-requisites	IFN500 or (IFN552 and IFN558) or (IFQ552 and IFQ558) or IFN502 or Admission to IN14
Credit Points	12
Campus	Gardens Point

Availabilities	<b>Gardens Point</b> - SEM-2
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This is a foundational Information Technology (IT) management unit addressing the core concepts, frameworks and methods for IT leaders (e.g. CIOs, IT Managers) to support their organizations in creating business value with technology. The unit takes an enterprise-wide, managerial perspective on how IT executives can facilitate the transition towards digital business and set the executive agenda for IT in larger organizations. IT executives perform a leadership role in organizations and need an integrated business-technology management approach for creating business value with IT. Taking a business management perspective, they focus on innovating the business with IT. From a technology management perspective, they focus on aligning and governing IT decisions in the organization. As such IT governance is ultimately responsible for ensuring the creation of business value with IT and changing in nature due to IT innovation.

### IFN644 Network Operations and Security

Pre-requisites	IFN507 or IFQ507
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Modern corporate networks face a number of challenges.



amongst which possibly the most severe are deliberate attacks by a number of actors. This unit focuses on building networks designed for security. You will learn the theory and practice of building, securing, monitoring and repairing corporate networks, including core network functions and services such as routing, DNS, web, and email. There are two main components of the unit: lectures and written assignments covering the principles involved, and practical assignments in which you will build your own miniature corporate network using free open source software on virtual servers. You will also connect your network to those of other students, defend your network against attacks, and attack other networks.

### IFN645 Large Scale Data Mining

Pre-requisites	IFN509 or IFQ509
Equivalent s	INN342
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The data that modern data scientists have access to is larger and more complex than in previous generations. Dealing with these data requires specialised algorithms and the use of a higher performance or cloud computing environment. This unit outlines the challenges and opportunities associated with big data and introduces data mining algorithms that

scale to large datasets. This unit will expand on the material presented in earlier data mining units and will also students to use their programming knowledge to implement data mining algorithms in the cloud.

### IFN646 Biomedical Data Science

Pre-requisites	IFN509 or IFQ509
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Biology and medicine are becoming data-intensive disciplines. From new sequencing technologies to electronic health records and wearable devices, it has never been easier or cheaper to generate biomedical data. This provides a great opportunity to study complex biological systems, to offer better patient care, etc., but working with this data is not trivial. This advanced unit will teach you how to handle and analyse biomedical data, as well as gain an appreciation of its strengths, limitations and complexities so that you can understand and critically interpret measurements and analyses. The unit aims to provide you with knowledge of modern biomedical technologies and the associated data science methodologies, building on what you have learned in IFN509.

### IFN647 Text, Web and Media Analytics

Pre-requisites	IFN509 or IFQ509
Equivalent s	CAB431
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit provides an understanding of the principles and techniques underlying the development of Text, Web and social media analysis solutions to some of the varied and complex problems that involve big data. It covers data preprocessing techniques to represent and analyse text, web and social media data. It includes text classification, text clustering and topic modelling methods to understand the text data. It includes web log, structure and content mining to better organise and retrieve data from websites. It teaches you the methods of social network analysis dealing with both the structural and content information embedded within these networks such as sentiment mining, review analysis, etc. This unit is motivated by the ubiquity of unstructured big data in text, Web and social data for which it provides to future professionals and researchers in computer science and data science complementary approaches to traditional systems

### IFN648 Applied Cryptography

Pre-requisites	IFN541, IFQ541 or IFN511. IFN541 may be studied in the same teaching period
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## Units

	as IFN648.
Anti-requisites	CAB340, IFN642
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This advanced unit will provide an in-depth understanding of cryptographic algorithms and their applications.

Cryptographic algorithms enable practical security services such as confidentiality and integrity assurance for stored or transmitted data, and authentication of entities. As a society, we are increasingly dependent on electronic systems, often interconnected, for storage and transmission of information. However, there are many threats to the security of information. This unit will explore the application of modern cryptographic techniques to protect information in a range of situations, and also provide an understanding of their limitations. This unit follows IFN553 Introduction to Security, and IFN541 Information Security Management, and is a more detailed examination of a particular set of control mechanisms that make use of mathematical and analytical algorithms to protect information assets.

### IFN650 Business Process Analytics

Pre-requisites	IFN515 or IFQ515. IFN515 may be studied in the same teaching period as IFN650.
Credit Points	12
Campus	Gardens Point

Availabilities	<b>Gardens Point</b> - SEM-1
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This unit introduces you to a number of process analysis techniques used during the design, execution and post-execution stages of the Business Process Management (BPM) life cycle. BPM provides organisations with the ability to save money and time by systematically documenting, managing, automating and optimising their business processes. To unlock the true benefits of a process-aware organisation it is essential that process modelling efforts do not purely remain paper-based but act as the prelude to automated support. The last decade has seen increased uptake of process automation/workflow technology that has increased the potential for real, evidence-based analysis associated with the execution of various business processes. By applying techniques such as process verification, process simulation and process mining, we can gain insights into both current and future business operations of an organisation, which in turn can lead to continuous process improvement.

### IFN652 Enterprise Business Process Management

Pre-requisites	IFN515 or IFQ515
Equivalent s	INN327
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The unit provides a rich overview of key factors that impact the enterprise-wide deployment of Business Process Management (BPM). It covers how the current status of enterprise-wide Business Process Management (E-BPM) can be assessed and how to design and action roadmaps for E-BPM capability enhancements. The aim is to ensure that BPM within an organisation is strategically aligned and well governed by creating the right culture, applying the optimal mix of BPM methods and maximising and using emerging technologies in the design and management of business processes.

### IFN657 Principles of Software Security

Pre-requisites	IFN501 or (IFN555 and IFN556) or (IFQ555 and IFQ556) or IFN503 or (IFN551 and IFN553) or (IFQ551 and IFQ553) or Admission to IN15 or IN16
Equivalent s	IFQ657
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Many security vulnerabilities and threats arise at software level. They can often be attributed to poor software design and implementation, including poor understanding of code-level security requirements, inadequate handling of exceptional cases, incomplete descriptions of the interface between components for

secure interactions, and insufficient care in the use of programming languages. This unit provides an overall understanding of software security from a programming perspective in a security context, with the aim of improving your ability in designing, implementing and analysing security-critical programs. In this unit, you will learn about secure programming techniques that can be used to detect vulnerabilities in software and defend against attacks such as buffer overflows, SQL injection and cross-site scripting. The module also covers common mistakes made in using programming languages, libraries and frameworks, and how they can be avoided.

### IFN662 Enterprise Systems and Applications

Pre-requisites	IFN504, IFN561 or IFQ561 or Admission to IN14
Equivalent s	INN312
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit offers an introduction to enterprise systems. It covers core concepts about planning and implementation, main processes and data structures in an enterprise system and the theoretical. You will explore practical guidance on best practices in systems configuration, following SAP Enterprise Systems modules: financials (FI), controlling (CO), materials management (MM), sales and distribution (S&D)

and production planning and control (PP). These core modules will also provide an overview of the fundamentals and capabilities of an Enterprise System. This unit is in the development stage of your course and builds on the work you learnt in Corporate Information Systems. It will provide some fundamental knowledge of the business processes that would be useful in Advanced Process Modelling or Business Process Case Studies.

### IFN663 Advanced Enterprise Architecture

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

IFN663 is an advanced unit on Enterprise Architecture (EA). The unit looks into the ways in which business and IT systems are planned using modelling techniques. It introduces how business and IT aligns and supports the scoping of IT solution architectures of individual systems and principles of enterprise architecture. It covers how to develop a multi-layered EA based on state-of-the-art modelling techniques in TOGAF Archimate and UML and provides skills for IT professional and senior roles. The unit builds upon pre-requisite knowledge from IFN500 Design Thinking for IT. Units such as IFN662 Enterprise Systems and Applications are highly related to this unit.

### IFN666 Web and Mobile Application Development

Pre-requisites	IFN501 or (IFN555 and IFN556) or (IFQ555 and IFQ556)
Anti-requisites	CAB230
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit provides a technical introduction to web and mobile application development and the software patterns which support them. We will introduce you to JavaScript on both the client and the server side, and you will build applications targeting desktops and mobile devices using modern standards and frameworks such as React and React Native. You will design and implement clean and responsive user interfaces, taking account of accessibility and internationalisation. We will introduce you to server side web computing using node.js and Express. You will understand security threats and their mitigation, and gain practical experience of HTTPS deployment.

### IFN667 Enterprise IoT Systems

Pre-requisites	IFN504 or IFN561 or IFQ561
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is a foundational unit addressing the key technologies, industry examples and case studies,



systems concepts and architecture techniques related to Enterprise IoT systems. It aims to provide students with technological expertise in IoT-enabled enterprise systems which supports the integration of business operations and real-time resource management. Students will gain an exposure to key technologies, case studies as well as critical practitioner skills involving systems analysis, design and architecture. These are essential for meeting the demands on IT professionals, for this contemporary and competitive area of IT underpinning the strategic 'Industry 4.0' vision for IT seen, for example, in the advanced industrial manufacturing, connected airports, provenance supply chains, smart transportation and other applications. The unit builds on IFN561

Enterprise Systems Lifecycle Management and focuses on IoT technologies transforming modern enterprise systems.

**IFN680 Artificial Intelligence and Machine Learning**

Pre-requisites	IFN509 or IFQ509
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is a specialisation unit in the area of computer science and data analytics. The aim of this unit is to provide you with the knowledge and skills required to design and implement artificial intelligence

and machine learning solutions that can effectively and efficiently solve complex problems which traditional approaches often fail to handle. The main advantage of intelligent systems is that they can combine the traditional computer's capacity to remember millions of facts with the human being's cognitive skills, including learning and refining the existing body of knowledge, solving problems with reasoning, helping businesses with strategic planning, diagnosing mechanical faults or human diseases, playing games, and so on. It is important for information technology professionals to understand the concepts and techniques for building intelligent systems. This unit is to provide you with an understanding of the principles and basic techniques to develop .....

**IFN692 Interaction Design for Emerging Technologies**

Pre-requisites	IFN591 or IFQ591 or IGB283
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

In IFN692 you will learn how to use Interaction Design to imagine, prototype, evaluate, and critique Future and Emerging Technologies such as the Internet of Things, Augmented and Virtual Reality, Artificial Intelligence, Machine Learning, and Social Robotics. Interaction Design and User Centred methods allow to look beyond the new technologies,

to the new experiences, business practices, and forms of social interactions that these technologies will make possible, which is key to leading design innovation. IFN692 builds on the methods and principles encountered in IFN591 – Understanding the User Experience - and will add tools, methods, knowledge and critical skills that you will apply in the context of a design project, from exploring the social and cultural context of the design intervention, to envisioning possible futures for, with, and by users, up to prototyping and testing the interaction with emerging technologies in a realistic setting.

**IFN695 Minor Project**

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit enables you to carry out an independent Work Integrated Learning (WIL) project addressing a research question or practical problem in theoretical or practical information technology.

**IFN703 Advanced Project**

Pre-requisites	(IFN600 or INN700) and 96cps of completed study
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The project addresses a research question or a practical problem through the application of Data Analytics



## Units

theories, tools and techniques. It allows you to apply the knowledge of the research skills and practices used to undertake specific Data Analytics activities. It provides an opportunity to individualise your studies by concentrating on a specific problem domain.

### IFN704 Advanced Project 2

Pre-requisites	(IFN600 or INN700) and IFN619 and 96cps of completed study
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The project addresses a research question or a practical problem through the application of IT theories, tools and techniques. It allows you to apply the knowledge of the research skills and practices used to undertake specific research activities. It provides an opportunity to individualise your studies by concentrating on a specific problem domain.

### IFN705 Project 1

Pre-requisites	IFN600 and completion of 48cp in the current masters course including one IFN601-IFN699 unit in the area of the project.
Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit enables you to carry out a research based project by applying an accepted method that leads to the testing of knowledge claims or the generation of new knowledge or theory in a specific domain of knowledge or context. The

project addresses a research question or a practical problem through the application of IT theories, tools and techniques. It allows you to apply the knowledge of the research skills and practices used to undertake specific research activities. It provides an opportunity to individualise your studies by concentrating on a specific problem domain.

### IFN706 Project 2

Pre-requisites	IFN705 and completion of 48cp in the current course, including one IFN601-IFN699 project related unit. IFN705 can be enrolled in the same teaching period as IFN706
Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit enables you to carry out a research based project by applying an accepted method that leads to the testing of knowledge claims or the generation of new knowledge or theory in a specific domain of knowledge or context. The project addresses a research question or a practical problem through the application of IT theories, tools and techniques. It allows you to apply the knowledge of the research skills and practices used to undertake specific research activities. It provides an opportunity to individualise your studies by concentrating on a specific problem domain.

### IFN711 IT Industry Project

Pre-requisites	Completion of 96cp from MIT or (Admission to IN23 and Completion of 48cp)
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Anti-requisites	IFN702
Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The aims of this unit are to help you apply skills previously attained in your degree in an advanced problem domain and to enable you to conduct a well-defined project with specific outcomes. The project addresses an industry problem through the application of IT theories, tools and techniques. You will develop project management skills to lead teams in complex and changing environments. This unit introduces a range of traditional and contemporary project management approaches. Agile project management will be used as an example of a contemporary approach to project management. Agile project management values, principles, and practices that you learn are transferable to other project management approaches. In this unit, you will maintain a journal in which you document your development and lessons learned throughout your experience. You will pitch your project plan in a presentation and prepare a project plan and final report of your project to a technical audience.

### IFN712 Research in IT Practice

Pre-requisites	Completion of 96cp from MIT or (Admission to IN23 and Completion of 48cp)
Anti-requisites	IFN701
Credit	24

## Units

Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

As a professional, regardless of your discipline or context, you will be required to gather the best available evidence to make decisions, solve problems, and establish best practice, as well as innovate and develop. This unit will develop your understanding and higher order thinking related to the key concepts, principles, methodologies regarding research and provide the skills required in to perform research within professional settings and professional practice.

### IFQ507 Network Systems

Pre-requisites	IFN503 or (IFN551 and IFN553) or (IFQ551 and IFQ553) or Admission to IN15, IQ15, IN16 or IQ16. Students in IN17 must apply for a requisite waiver
Anti-requisites	INN350, INN251, INN351
Equivalent s	IFN507
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

This unit introduces the core concepts of computer networks and the Internet, in particular layered network architecture and models, hardware and software, TCP/IP protocol stack, addressing and routing, wireless networks, network security, and network services and applications. It teaches you how modern computer networks and the Internet work, how they are

structured, and how they operate. The ability to understand, analyse, design, configure and manage computer networks and network services is a requirement for a range of graduate entry information technology positions. The unit provides the necessary knowledge and skills for further study in networks, cyber security, computer science and other relevant areas. Other advanced-level networks and cyber security units build on this unit by extending your fundamental understanding of computer networks for more complex needs and various network application requirements.

### IFQ509 Data Exploration and Mining

Pre-requisites	IFQ554 or IFN554 or IN15 or IQ15
Anti-requisites	INN342, INN343
Equivalent s	IFN509
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

This fundamental data science unit addresses the core concepts, techniques and practices of data exploration and mining. In the information age, with astronomical amounts of data produced and made available every minute, data exploration and mining becomes necessary for individuals and organisations who need to make decisions. With the advancements in data storage

technology and the need for automation, data analytics skills are now essential. Data analytics methods enable users to manage, interpret, understand, process and analyse the data to find useful insight. This unit will introduce you to a wide range of data analytics methods and theories to manipulate, model and analyze data. This is an introductory unit and the knowledge and skills developed in this unit are relevant to both computer science and non-computer science majors.

### IFQ515 Fundamentals of Business Process Management

Anti-requisites	INN321
Equivalent s	IAB203, IAB320, IFN515
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES3

This unit provides an in-depth introduction towards the management of Business Processes. It takes you through the fundamental stages of a typical Business process improvement initiative, from process identification, to monitoring, covering along the way process modelling, analysis redesign and automation.

### IFQ521 Foundations of Decision Science

Equivalent s	IFN521
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b>

Human beings engage in information environments of ever increasing complexity both within organizations and socially. In these environments, human beings interact with information in various ways. This unit introduces principles of cognitive science relevant to understanding how human beings process information and make decisions. In addition, the unit presents relevant frameworks to understand what information really is. Understanding both of these aspects is necessary for modern organizations to be able to exploit their data for effective decision making.

### IFQ541 Information Security Management

Pre-requisites	IFN503 or (IFN551 and IFN553) or (IFQ551 and IFQ553) or Admission to IQ16 or IQ15 or IN15 or IN16
Anti-requisites	CAB240
Equivalent s	IFN541
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES3

This unit builds upon the fundamental information security concepts introduced in IFN553. In this unit you will consider aspects of the management of information systems which affect organizational information security; including identity management, authentication, access control, monitoring, risk

management, incident response and disaster recovery. Information is an important organisational asset. Information systems store, process and exchange information, and most sectors of the economy are dependent on electronic and often automated systems. Interconnectivity is important for many organizations, but this also increases the exposure to adverse events. Appropriate information security management protects information assets from unauthorized access, use or modification and provides frameworks to deal with the impacts associated with unauthorized disclosure, destruction or modification. This unit is intended to equip IT professionals (such as database manager...

### IFQ551 Computer Systems Fundamentals

Anti-requisites	IFN503
Equivalent s	IFN551
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1A, SES3A

This unit introduces the core concepts of a computer system, in particular how modern computer systems work, how they are structured, and how they operate. You will work with simulation software that allows you will build your own small computer system. The unit teaches you how to work effectively with

modern computer environments and gain sufficient knowledge to be able to adapt to the evolution of computer systems in the future. The unit provides the necessary knowledge and skills for further study in areas such as networking, security, data science and software development.

### IFQ552 Systems Analysis and Design

Equivalent s	IFN552
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2A, SES4A

The unit outlines the process of clarifying business problems that an IT system can help to resolve, and provides a working knowledge of principles, contexts and methods that IT experts use, either individually or in a group, to analyse and design an IT system. The knowledge and skills (both hard skills such as the modelling techniques and soft skills such as team work) that you learn in this unit will be used extensively in your professional life following graduation. The unit builds your skills towards any career related to operational analysis and design of a specific business scope, including Business Analyst, Solution Architect and Project Manager.

### IFQ553 Introduction to Security and Networking

Equivalent s	IFN553
Credit	6



## Units

Points	
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1B, SES3B

Cyber security breaches - network infiltration, malware, theft of personal or corporate information - are commonplace. The rise of the internet means that malicious actions of individuals may have global impact. This unit introduces essential information security concepts such as confidentiality, integrity, and availability. The Open Systems Interconnection (OSI) model is used to understand network communications. Threats and vulnerabilities are identified, for both stored and transmitted data. An overview of cyber security measures - preventing, detecting and correcting actions that result in harm - is provided. The limitations of such measures are noted, allowing you to develop an understanding of the trade-offs involved in protecting information. You can take this unit as a stand-alone course to raise your awareness of information security issues in networked systems, or as the start of a pathway into further cyber security and networking units.

### IFQ554 Databases

Equivalent s	IFN554
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1B, SES3B

This is a foundational unit addressing the core concepts,

principles and skills required for understanding, designing and managing databases. It introduces a conceptual approach to modeling the data aspect of business domains, how to transform a conceptual data model into a relational database design, and how to retrieve and manipulate data through standard database querying techniques. Relevant societal and ethical aspects of database management are also covered. The knowledge and skills involved in developing and managing databases effectively are essential for IT Professional, Business Analyst, and Data Scientist nowadays.

### IFQ555 Introduction to Programming

Anti-requisites	IFN501
Equivalent s	IFN555
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2A, SES4A

This unit is designed for those who have never programmed before. It introduces the basic building blocks of algorithms: sequence, selection and iteration and how algorithmic thinking is used to decompose problems into simpler steps. The C# language is used for expressing those steps in a programming language. It introduces an imperative style of programming in which a sequence of statements change the program's state. The program's state consists of a set of variables that contain

data of various types. We introduce basic data types including numbers, text strings and lists. Students are also introduced to processes for debugging and testing programs to ensure their correctness and the forms of professional communication associated with software development.

### IFQ556 Object Oriented Programming

Pre-requisites	IFQ555 or IFN555
Anti-requisites	IFN501
Equivalent s	IFN556
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2B, SES4B

In this unit you will learn how the principles of Object-Oriented programming can help combat complexity when developing larger programs. The key concepts are abstraction, encapsulation and polymorphism. Abstraction is the processing of giving a name to something plus generalization – the process of ignoring differences and instead identifying common properties of a collection of objects. Encapsulation is the process of “putting things in a box” – selectively exposing some aspects of what's in the box, but deliberately hiding much of what is in the box. Much like a TV case covers the inner electronics of a TV set, while still exposing controls such as power, channel selection and volume.



## Units

In object-oriented programming languages classes and methods provide the principle mechanism for abstraction and encapsulation. Polymorphism is concept of an object being able to have different forms.

### IFQ557 Rapid Web Development

Pre-requisites	IFN501 or IFN555 or IFQ555
Anti-requisites	IAB207
Equivalent s	IFN557
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2B, SES4B

This is a foundational unit addressing web application development through a guided process by using well known frameworks such as Bootstrap, and Python-Flask. It introduces the development of a web application, covering development life-cycle phases of design, development, and deployment. The unit provides a working and “hands-on” introduction to different aspects of building an interactive and dynamic application. The knowledge and skills involved in developing web applications are indispensable for all IT professionals. This applies not only for programmers but also for roles such as business analyst and solution architect, which require a strong understanding of development for systems analysis and design practices.

### IFQ558 Management Information Systems

Equivalent s	IFN558
Credit Points	6
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1A, SES3A

Organisations are continuously transforming to leverage the potential of information systems. To be able to effectively transform an organisation, its leadership team must be made aware of (i) what an information system actually is; (ii) how to manage the components of its information systems effectively; and, (iii) how to make informed decisions based on the data present in the information system (which is associated with complex ethical and cultural considerations). The purpose of this unit is to provide insights into how information systems can be effectively leveraged by organisations. Drawing on case studies, concepts related to the following will be discussed: (1) components of information systems; (2) the design cycle; (3) introductory business analytics, and (4) ethical and privacy considerations. The knowledge and skills taught in this unit will help make you a well-rounded IT professional and prepare you for careers related to business analysis and management.

### IFQ561 Enterprise Systems Lifecycle Management

Pre-requisites	
Equivalent s	IFN561

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

This is a transitional unit, providing students with fundamental information systems skills relating to different practices in managing information systems in big and small enterprises. Information systems and enterprises are becoming inextricably interwoven. It has become nearly impossible to talk meaningfully about enterprises that are not dependent on information systems of one type or another. An important role of managers is to understand what type of information system they should use to achieve the business strategic objectives or to improve existing business capabilities. This unit provides students with fundamental skills that business analysts or IT managers are required to have in order to be able to analyse business strategies, evaluate how information systems may enable enterprises to achieve strategic objectives, and understand how such an information system can be developed and implemented within an enterprise. Throughout this unit .....

### IFQ562 Advanced Business Analysis

Pre-requisites	IFN500 or (IFN552 and IFN558) or (IFQ552 and IFQ558) or Admission to IQ14
Equivalent s	IAB204, IFN562
Credit	12

## Units

Points	
Campus	Online
Availabilities	<b>Online</b> - SES3

Business Analysis is a fascinating and existing domain. With the increased presence of digital technologies now affecting the majority of new solutions, people need to have multidisciplinary skills in Business, Process & Project Management and Information Technology. The Advanced Business Analysis unit aimed to develop deeper understanding of manner in which business solutions incorporating digital technologies will be used, deliver business value, and incisive comprehension of different internal and external stakeholder perspectives in contemporary organisations. The unit focus building problem solving, analytical, and technical capabilities to develop innovative IT system of strategic importance. This unit offers comprehensive understanding of theoretical and practical aspects of information requirements by diverse stakeholders, the methods of business environment scanning, information capturing, elicitation, documenting, analysis, requirement engineering, and

### IFQ563 Object Oriented Design

Pre-requisites	IFN501 or (IFN555 and IFN556) or (IFQ555 and IFQ556) or IN15 or IQ15 or IN16 or IQ16
Equivalent s	IFN563
Credit	6

Points	
Campus	Online
Availabilities	<b>Online</b> - SES3A

Builds upon the concepts that you have learned in IFN566, introducing methods of Object Oriented Design which will allow you to solve more complex, real world problems. In this unit you will learn how to identify potential objects and classes by examining the real-world context that the programming is modelling. By basing our software design on entities that exist in the real world, we maximize the chances that our software architecture will age and evolve gracefully – i.e. we won't need to restructure our application completely as the requirements change. This is because our choice of objects is stable – the entities that an organization needs to deal with (for example Customers, Invoices, Vehicles and Projects) will not change completely overnight. You will also learn about and apply several standard software design principles such as SOLID, DRY, KISS and YAGNI. Finally, you will learn how such designs are professionally communicated and used as part of agile design processes.

### IFQ564 Data Structures and Algorithms

Pre-requisites	IFN501 or (IFN555 and IFN556) or (IFQ555 and IFQ556) or IFN563 or Admission to IQ16
Equivalent s	IFN564
Credit Points	6
Campus	Online

Availabilities	<b>Online</b> - SES3B
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In this unit you will work with some of the fundamental data structures of computer science, those used to represent strings, dictionaries, lists, trees and graphs. You will learn and implement the algorithms commonly used for searching, sorting and processing these data. You will learn how to assess the efficiency of such algorithms, allowing you to distinguish between those which can process large amounts of data efficiently, and those that run unacceptably slowly as the size of the input grows.

### IFQ591 Principles of User Experience

Pre-requisites	IFN500 or (IFN552 and IFN558) or (IFQ552 and IFQ558) or Admission to IQ16
Equivalent s	IFN591
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

User Experience (UX) describes how we engage with technology, including how we use, feel, think, and talk about it. It is widely recognized as a key success factor for digital technologies and services that shape how we live, work, socialize, learn, play, and manage our health. In this introduction to User Experience you will learn methods and theories to understand and characterize what experiences matter to people, to generate ideas and create prototypes,

and to evaluate the experiences that people have with technology prototypes. Understanding how to create positive experiences with digital technologies will give students an edge in the market place for jobs as user experience professionals, IT developers, and interaction designers.

### IFQ619 Data Analytics for Strategic Decision Makers

Equivalent s	IFN561
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES3

This unit offers students a practical introduction to the field of data analytics, and its application to making decisions. Students will learn common methods for quantitative and computational analytics, through which they can gain an overview of key concepts, skills, and technologies for sourcing data, performing data analysis, and producing appropriate visualisations. While the course covers relevant technologies for data analytics and information visualisation, the focus is on asking the right questions and solving related problems which are driven from the business/organisational perspective. Students will work with both structured and unstructured data, and will be encouraged to work with open data to address real-life problems in ways that align with ethical principles and good data governance.

### IFQ657 Principles of Software Security

Pre-requisites	IFN501 or (IFN555 and IFN556) or (IFQ555 and IFQ556) or IFN503 or (IFN551 and IFN553) or (IFQ551 and IFQ553) or Admission to IQ16
Equivalent s	IFN657
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

Many security vulnerabilities and threats arise at software level. They can often be attributed to poor software design and implementation, including poor understanding of code-level security requirements, inadequate handling of exceptional cases, incomplete descriptions of the interface between components for secure interactions, and insufficient care in the use of programming languages. This unit provides an overall understanding of software security from a programming perspective in a security context, with the aim of improving your ability in designing, implementing and analysing security-critical programs. In this unit, you will learn about secure programming techniques that can be used to detect vulnerabilities in software and defend against attacks such as buffer overflows, SQL injection and cross-site scripting. The module also covers common mistakes made in using programming languages, libraries and frameworks, and

how they can be avoided.

### IFT601 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT602 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT603 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT611 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT612 Thesis

Credit Points	0
Campus	Kelvin Grove and Gardens Point
Availabilities	<b>Kelvin Grove</b> - R1, R2 <b>Gardens Point</b> - R1, R2

## Units

### IFT613 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT614 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT615 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT621 Thesis

Credit Points	0
Campus	Kelvin Grove and Gardens Point
Availabilities	<b>Kelvin Grove</b> - R1, R2 <b>Gardens Point</b> - R1, R2

### IFT622 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT631 Thesis

Credit Points	0
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Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT632 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT633 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT634 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT635 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT636 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b>

es	- R1, R2 <b>Kelvin Grove</b> - R1, R2
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### IFT637 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT641 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT661 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT662 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT663 Thesis

Credit Points	0
Campus	Kelvin Grove and Gardens Point
Availabilities	<b>Kelvin Grove</b> - R1, R2 <b>Gardens Point</b> - R1, R2



**IFT664 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT665 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT667 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT671 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT681 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT682 Thesis**

Credit Points	0
Campus	Kelvin Grove and Gardens Point
Availabilities	<b>Kelvin Grove</b> - R1, R2 <b>Gardens Point</b> - R1, R2

**IFT683 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT691 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT692 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT693 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT694 Thesis**

Credit Points	0
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Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT695 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT696 Thesis**

Credit Points	0
Campus	Kelvin Grove and Gardens Point
Availabilities	<b>Kelvin Grove</b> - R1, R2 <b>Gardens Point</b> - R1, R2

**IFT801 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT802 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

**IFT803 Thesis**

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b>

## Units

es	- R1, R2 <b>Kelvin Grove</b> - R1, R2
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### IFT811 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT812 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT813 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT814 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT815 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT821 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT822 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT831 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT832 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT833 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT834 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT835 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT836 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT837 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT841 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT861 Thesis

Credit Points	0
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## Units

Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT862 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT863 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT864 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT865 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT867 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b>

es	- R1, R2 <b>Kelvin Grove</b> - R1, R2
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### IFT871 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT881 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT882 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT883 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT891 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT892 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT893 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT894 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

### IFT895 Thesis

Credit Points	0
Campus	Kelvin Grove and Gardens Point
Availabilities	<b>Kelvin Grove</b> - R1, R2 <b>Gardens Point</b> - R1, R2

### IFT896 Thesis

Credit Points	0
Campus	Gardens Point and Kelvin Grove
Availabilities	<b>Gardens Point</b> - R1, R2 <b>Kelvin Grove</b> - R1, R2

## Units

### IFX000 International Exchange - Interim unit

Credit Points	48
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX001 Science and Engineering Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX002 Science and Engineering Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX003 Science and Engineering Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX004 Science and Engineering Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX005 Science and Engineering Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX006 Science and Engineering Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX007 Science and Engineering Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX008 Science and Engineering Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX011 Information Technology and Mathematics Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX012 Information Technology and Mathematics Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX013 Information Technology and Mathematics Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX014 Information Technology and Mathematics Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX015 Information Technology and Mathematics Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX016 Information Technology and Mathematics Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX017 Information Technology and Mathematics Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX018 Information Technology and Mathematics Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX021 Environmental Studies Discipline Elective

Credit Points	12
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## Units

Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX022 Environmental Studies Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX023 Environmental Studies Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX024 Environmental Studies Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX025 Environmental Studies Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX026 Environmental Studies Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX027 Environmental Studies Discipline Elective

Credit Points	12
Campus	EXCHANGE and External

Availabilities	<b>External</b> - XCH-1, XCH-2
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### IFX028 Environmental Studies Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX101 Creative Arts Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX102 Creative Arts Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX103 Creative Arts Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX104 Creative Arts Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX105 Creative Arts Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b>

es	- XCH-1, XCH-2
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### IFX106 Creative Arts Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX107 Creative Arts Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX108 Creative Arts Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX111 Architecture Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX112 Architecture Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX113 Architecture Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX114 Architecture Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX115 Architecture Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX116 Architecture Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX117 Architecture Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX118 Architecture Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX201 Health Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX202 Health Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX203 Health Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX204 Health Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX205 Health Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX206 Health Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX207 Health Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX208 Health Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX211 Nursing Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX212 Nursing Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX213 Nursing Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX214 Nursing Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX215 Nursing Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

## Units

### IFX216 Nursing Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX304 Business Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX312 Humanities and Literature Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX217 Nursing Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX305 Business Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX313 Humanities and Literature Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX218 Nursing Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX306 Business Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX314 Humanities and Literature Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX301 Business Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX307 Business Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX315 Humanities and Literature Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX302 Business Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX308 Business Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX316 Humanities and Literature Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX303 Business Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX311 Humanities and Literature Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX317 Humanities and Literature Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

## Units

### IFX318 Humanities and Literature Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX321 Business Discipline Elective (PG)

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX322 Business Discipline Elective (PG)

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX323 Business Discipline Elective (PG)

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX324 Business Discipline Elective (PG)

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX325 Business Discipline Elective (PG)

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX326 Business Discipline Elective (PG)

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX327 Business Discipline Elective (PG)

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX328 Business Discipline Elective (PG)

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX401 Law Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX402 Law Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX403 Law Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX404 Law Discipline Elective

Credit Points	12
Campus	EXCHANGE and External

Availabilities	<b>External</b> - XCH-1, XCH-2
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### IFX405 Law Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX406 Law Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX407 Law Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX408 Law Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX411 Behavioural Science, Social Studies and Human Movement Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

### IFX412 Behavioural Science, Social Studies and Human Movement Discipline Elective

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2



**IFX413 Behavioural Science, Social Studies and Human Movement Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX414 Behavioural Science, Social Studies and Human Movement Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX415 Behavioural Science, Social Studies and Human Movement Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX416 Behavioural Science, Social Studies and Human Movement Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX417 Behavioural Science, Social Studies and Human Movement Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX418 Behavioural Science, Social Studies and Human Movement Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX501 Education Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX502 Education Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX503 Education Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX504 Education Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX505 Education Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX506 Education Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX507 Education Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFX508 Education Discipline Elective**

Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

**IFZ448 Thesis**

Credit Points	48
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-1, SEM-2, SUM

Testing the compare text function...

**IFZ515 Fundamentals of Business Process Management**

Anti-requisites	INN321
Credit Points	12
Campus	Gardens Point and Online
Availabilities	<b>Gardens Point</b> - SEM-1 (Block), SEM-2 (Block) <b>Online</b> - SEM-1, SEM-2

This unit provides an in-depth introduction to the management of business processes. It walks you

through the fundamental stages of a typical business process management project, from process identification, to monitoring, covering along the way process modelling, analysis, redesign and automation.

### IFZ650 Business Process Analytics

Pre-requisites	IFZ515
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2 (Block)

Business Process Analytics introduces you to a number of state-of-the-art business process intelligence techniques that can be used at different stages of the Business Process Management lifecycle. In particular, the unit focuses on techniques that can be applied as a prelude to process execution as well as techniques that can be used to analyse historical process data. You will be exposed to a set of tools, techniques and methods to analyse different perspectives of business processes.

### IFZ651 Lean Six Sigma

Pre-requisites	IFZ515. IFZ515 can be studied in the same semester as IFZ651.
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1 (Block)

This unit introduces the Lean Six Sigma methodology for improving Business Processes. You will learn how to combine

statistical analysis techniques from Six Sigma with the principles of Lean Management, and apply these in the context of a Business Process Management (BPM) initiative. Hands-on case studies will provide you with direct exposure to common process issues that can be fixed through the application of Lean Six Sigma. The goal of this unit is to broaden and deepen your knowledge about different process improvement methodologies and their application to real-world business problems.

### IFZ652 Enterprise Business Process Management

Pre-requisites	IFZ515
Anti-requisites	INN327
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2 (Block)

This unit will provide an overview about all factors that impact the enterprise-wide deployment of Business Process Management (BPM). The unit will follow the six factors of a BPM maturity model and cover the impact of emerging technologies in the design and management of business processes.

### IFZ695 Minor Project

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1 (Block), SEM-2 (Block)

This unit provides you with an

opportunity to individualise your studies by concentrating on a specific problem. You are expected to apply specialised knowledge gained from your information technology course to deliver well-defined project outcomes.

### IFZ948 Thesis

Credit Points	48
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

### IGB100 Game Studio 1: Mini-Game Development

Pre-requisites	IFB103 or ITD103
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

In Game Studio 1, you will begin to apply your emerging discipline knowledge within small scale game development activities. Game Studio units are fundamental to the BGIE, and focus on the integration of design principles with practical development skills. In this first studio unit, you will have the opportunity to experience, at a small scale, all facets of game development, from animation and design, through to implementation and production. In this unit you will engage in the tasks that designers and developers carry out in order to create engaging mini-games that utilise simple game mechanics and rules. This unit aims to provide you with foundational knowledge of game development activity, and to nurture the skills

## Units

necessary for execution of effective designs in an integrated studio environment.

### IGB180 Computer Games Studies

Anti-requisites	INN180
Equivalent s	INB180
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit focuses on the social, cultural, and political aspects of videogames. It serves as a survey of topics useful for those interested in the study and creation of serious games, games for health, entertainment games, virtual and augmented reality, gamification and interactive environments. The units aims to help students become well played, well versed, and well read in and of games through the development of critical media skills. By the end of the semester students will be able to speak to current academic and industry trends around games, critically assess media and studies about games for veracity and reliability, leverage critical and creative thinking to express their positions on games, and converse about the history, and social-cultural impact of games.

### IGB181 Game Production and Technology

Anti-requisites	INN181
Equivalent	INB181

S	
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This preliminary unit focuses on the production, technology and project management techniques employed during the development of video games within modern video game studios. Students will explore the varying roles required for successful game development and acquire a broad understanding of how they all fit within the production process. The tools, software, project management, ethics and even social skills necessary for understanding this business are explored. Expertise garnered from industry experience forms the cornerstone of the learning experience. This unit also aims at preparing students towards their chosen study pathway at university.

### IGB200 Game Studio 2: Applied Game Development

Pre-requisites	IGB100 and (IGB180 or INB180)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

In Game Studio 2 you will develop a digital game-based experience to meet a defined project brief. Game Studio units are fundamental to the BGIE, and focus on the integration of design principles with practical development

skills. In many contexts, game designers and developers work towards a predefined design brief, and in this unit you will build a game to meet the requirements set by an industry partner. You will work in teams to create this interactive experience, applying your discipline expertise and emerging project management skills. You will employ an agile development process that allows for evaluation of the emerging product. The processes employed throughout the unit will extend your understanding of industry practices, allowing you to develop the professional and interpersonal skills required to succeed within this profession.

### IGB220 Fundamentals of Game Design

Pre-requisites	IGB180 or INB180
Equivalent s	INB280
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

It is crucial that a game designer understands how to create a game world, the rules that govern game play and other high level design tasks, as the result of these activities can determine whether the player finds the game enjoyable or not. This unit provides an introduction to game design, by starting with high level conceptual design tasks before moving to more concrete tasks. You will develop practical and theoretical knowledge of game

design issues such as: how game systems work, how to define rules for the world, and how to balance the rules to ensure enjoyable game play. At the end of the unit, students will have worked individually and in a small project team to demonstrate their understanding of these concepts. In this unit you will analyse relevant theory, create a design document, build a prototype and undertake playtesting.

### IGB283 Game Engine Theory and Application

Pre-requisites	(CAB201 or ITD121) and (IGB181 or IFB102 or ITD102). CAB201 can be studied in the same teaching period as IGB283
Anti-requisites	INB381
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit will introduce you to the mathematics for computer graphics and games. Instead of just teaching mathematics, this unit focuses on taking mathematical theory and learning to program small examples in a game engine. The core parts of any game engine are the mathematical representations and algorithms. This unit will give you a basic understanding of the mathematics behind 3D graphics and games and the ability to apply the theory to solve problems in game engine development and software development in related areas. The unit is placed early in the course in order to provide you

with foundation knowledge and skills for programming and using 3D game engines. It is a pre-requisite for following advanced units that will build on these skills to provide you with enough knowledge to develop your own game engine and to have a deeper insight into popular commercial engines and tools used in the course.

### IGB300 Capstone Project (Game Design)

Pre-requisites	IGB200
Anti-requisites	INB379
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This is the final year games capstone project unit which provides students with an opportunity to design and develop a demo game in a team. The student teams will be guided through a full game development production cycle. This includes game concept ideation, paper prototyping, playtesting, producing an high quality Game Design Document and building a digital game demo. Students will work in an agile project management process, allowing iterative and rapid refinement of design ideas. Weekly critique meetings in the form of scrum meetings will provide teams with formative feedback on their process and facilitate iteration. At the end of the unit, teams are expected to deliver an alpha build of a game that articulates the core gameplay,

animation and art. This is expected to be a 1-minute entertaining gameplay experience that teams will keep working on in IGB301 (Semester 2).

### IGB301 Capstone Project (Game Development)

Pre-requisites	IGB300
Anti-requisites	INB380
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The Capstone Project units within the BGIE (IGB300 and IGB301) allow you to extend your professional skills by taking a substantial game development project from concept to prototype. These units will extend your discipline knowledge and skill, while further developing your professional practice. In IGB301 Capstone Project (Game Development) you are expected to implement, evaluate and publish a working game prototype based on an existing game design (i.e. produced in the pre-requisite unit IGB300).

### IGB320 Game Design in Different Contexts

Pre-requisites	IGB220 or INB280
Anti-requisites	INN180
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Videogames and videogame



elements are being used to increase motivation and engagement in a large variety of non-game fields (e.g., health, education, finance). This has been referred to using various terms including gamification, serious games, applied games and games-for-health. This unit involves evaluating existing gamification solutions, understanding the psychology behind gamification and designing a gamified solution.

### IGB383 AI for Games

Pre-requisites	CAB301 and IGB283
Equivalent s	INB383
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The core concepts, principles and practices of designing and implementing Artificial Intelligence (AI) within computer games are explored and implemented within this unit. The introduction of modern theoretical models as well as commercial examples provides a foundational understanding of both the history and future of Game AI. This is particularly important when designing natural and/or humanistic behavioural effects of Non-Player Characters (NPC). Knowledge and skills developed during this unit adhere directly to modern Game and AI development and are required of industry practitioners today. You will develop an understanding of the field and develop expertise

in addressing modern Game AI algorithms and problems.

### IGB400 Game Studio 3: Game Innovation

Pre-requisites	IGB300
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit explores how game technology and design can be applied in innovative ways in other areas. This unit aims to extend your discipline expertise, providing you with the additional knowledge, skills and insights that allow you to create an innovation within the field. This unit aims to extend your discipline expertise, providing you with the additional knowledge, skills and insights that allow you to create an innovation within the field with a particular focus on helping you create a well rounded portfolio to support you post graduation. You can explore innovation within the games industry or impact more broadly on other industries.

### INB306 Project 1

Pre-requisites	INB101, INB102, INB103, INB104 and (INB201 or IFB299)
Equivalent s	ITB230
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in

your course to date and to execute a substantial development project. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

### INB307 Project 2

Equivalent s	ITB791
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful

project management.

### INN700 Introduction to Research

Pre-requisites	Admission into IF49, IF80, IT28, IT29, IN10, IN22 or IN27
Anti-requisites	ENN541
Equivalent s	ITN100
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

This unit is aimed at students commencing a research project, a main purpose being to shepherd them through production of their first detailed research proposal/report in the topic area of their intended research, while also serving to orient them in their research efforts. Quality control and good project management are encouraged throughout the research project as is close attention to scope and issues management. Main items of assessment pertain to each student's unique, research project. Students review literature related to their research in depth and prepare a detailed proposal outlining the research question, design and project plan. HDRs will focus on the proposal while coursework masters students will produce a light proposal, moving quickly to production of a content analysis report. There are guest speakers on information searching, research ethics and intellectual property and commercialisation.

### INN701 Advanced Research Topics

Pre-requisites	INN700 which can be studied in the same teaching period as INN701
Anti-requisites	ENN541
Equivalent s	ITN269
Other requisites	Except with special permission, this unit is restricted to and mandatory for students enrolled in Honours, Professional Doctorate and PhD courses, and is optional for Research Masters students.
Assumed Knowledge	INN700 may be waived for invited, advanced, high-performing undergraduate students
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is designed for research students who are involved in a substantive research project. The unit intends to offer students a range and choice of research topics that are either directly relevant to and facilitate your research project, or which usefully broaden your understanding of research and the research process, thereby better equipping you for a possible research career. It is intended to produce a stimulating environment in which students and the module-leader interact extensively. The unit is distinctive in that it: • in many ways mirrors an advanced seminar series; • assumes that students are self-motivated and conscientious; • seeks to 'involve' students and anticipates that each student

will have a very personal experience of their involvement; • does not aim to test knowledge, learning or understanding, but rather employs assessment to motivate student preparation and participation.

### ITD102 Introduction to Computer Systems

Anti-requisites	IFB102
Equivalent s	INB102
Credit Points	12
Campus	Kelvin Grove and Online
Availabiliti es	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

Computers, networks and the web are ubiquitous and underpin all information technology. You need a general understanding of these technologies and their relationships in order to effectively participate in the IT industry and as basis for further learning. This unit provides a technological underpinning to subsequent computing units which cover: programming, the Web, software architecture and computer systems.

### ITD103 IT Systems Design

Anti-requisites	IFB103
Equivalent s	INB182
Credit Points	12
Campus	Kelvin Grove and Online
Availabiliti es	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

Due to their often intangible and complex nature, design problems in IT are addressed by teams with members having different and complementary skill sets. This foundation unit provides you with knowledge of design thinking, related processes and methods and what it means to design within information technology rich contexts. This unit situates you in a challenging domain and asks you to solve a problem leveraging your IT knowledge, applying fundamental design, teamwork and communication skills to accomplish this challenge.

### ITD104 Building IT Systems

Anti-requisites	IFB104
Equivalent s	ITB001, INB104
Credit Points	12
Campus	Kelvin Grove and Online
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

This unit provides a hands-on introduction to computer programming for students with no prior coding experience at all. It introduces the basic principles of programming in a typical imperative language, including expressions, assignment, functions, choice and iteration. It then shows how to use Application Programming Interfaces to complete common Information Technology tasks such as querying databases, creating user interfaces, and searching for patterns in large datasets. The emphasis is on developing skills through practice, so the

unit includes numerous coding exercises and assignments, using a simple scripting language and code development environment. The unit establishes a foundation for later subjects that teach large-scale software development using industrial-strength programming languages.

### ITD105 Database Management

Equivalent s	IFB105
Credit Points	12
Campus	Kelvin Grove and Online
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

This is an introductory unit on database addressing the core concepts, requirements and practices of databases. It introduces conceptual data modeling to address a key area of concern of modeling structured data to build a comprehensive understanding of the data aspect of a problem. You will learn how to transform such data model into a relational database design as well as how to effectively retrieve data through SQL (Structured Query Language) queries. Normalization, database security/administration, other special topics and ethical aspects related to information systems are also covered.

### ITD121 Programming Principles

Pre-requisites	ITD104 or IND104
Anti-requisites	CAB201
Equivalent	INB270

s	
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Computer programs and scripts are the fundamental way in which we tell computers how to solve problems. All Information Technology students need an appreciation of the skills involved in programming and scripting. This introductory unit builds on the specific knowledge and skill you gained from Building IT Systems, as well as elements from the other foundational units on Design and Technology. It prepares you for ongoing development of your programming skills and an appreciation of the technical issues that must be considered when working with other programmers. The unit gives you the foundation for subsequent programming courses within the Computer Science major. The unit deals mainly with small-scale program development providing an essential foundation for later units on large-scale system development or development of software for specialised application domains.

### ITD122 Modelling Techniques for Information Systems

Pre-requisites	ITD103 and ITD105
Anti-requisites	IAB201
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

This is an introductory unit that will provide you with the foundational skills and knowledge required for understanding, designing and analysing information systems. The unit aims to develop an appreciation, and an ability to manage, the complexity of contemporary and future information systems and the domains in which they are used. Further, it will provide you with the skills to design artefacts, fit for purpose and audience that can be used to solve real-world problems related to information systems. Unit content will play an important role in future units and a wide variety of professional IT activities.

**JSB170 Introduction to Criminology and Policing**

Equivalent s	JSB131, JSB011, JSB101
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1, XCH-2

Introduction to Criminology and Policing will provide you with an introduction to the Criminology and Policing major before you make your choice between the two available majors. This unit will provide you with a foundation for understanding criminology and policing. It begins with an exploration of the existing explanations of crime from both an individual and social perspective and will provide you with a background of policing in Queensland,

Australia and internationally. The remainder of the unit then covers topics of interest to those within the area of criminal justice, policing and criminology, for example, crimes in the home, crime in public, white collar crime, and street crime.

**JSB171 Justice and Society**

Equivalent s	JSB131, JSB011, JSB101
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1, XCH-2

The Justice degree is about producing competent justice professionals. In order to achieve this purpose, this degree combines knowledge of the criminal justice system with an understanding and appreciation of the complexities of social justice. The purpose of this unit is to introduce students to the structural parameters of social justice.

**JSB172 Professional Academic Skills**

Equivalent s	JSB132, JSB012, JSB104
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1, XCH-2

Employers expect graduates to be competent in these professional skills areas. This unit provides students with

essential literacy and workplace-relevant skills reflected in different pieces of assessment. This will enable students to utilise these skills throughout their justice degree and transfer them in future to the workplace as a competent criminal justice professional.

**JSB173 Understanding the Criminal Justice System**

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2

The Bachelor of Justice seeks to produce competent justice professionals. In order to achieve this purpose, this degree combines knowledge of the criminal justice system with an understanding and appreciation of the complexities of social justice. This unit provides a clear overview and critical examination of the Australian criminal justice system.

**JSB174 Forensic Psychology and the Law**

Anti-requisites	PYB215
Equivalent s	JSB136
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2

Forensic Psychology is readily acknowledged as one of the fastest growing areas of



psychology in the world. Psychologists are now involved significantly in policing, judicial procedures and correctional processes. The term 'forensic' literally means 'of or used in law courts' (Australian Oxford Paperback Dictionary). The phrase 'psychology and the law', however, is now used more generally to describe the different ways in which psychology and law intersect - namely the psychology of the law, psychology in the law, and psychology by the law. By its very nature the study of psychology and law draws from a wide multidisciplinary base for the application of specialised knowledge. As a student of this discipline area, you will need a broad introductory appreciation of (and a critical perspective on) what the study of psychology and the law involves.

### JSB176 Criminal Law in

#### Context

Equivalent s	JSB242, JSB024, JSB204
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2

Justice students work, or hope to work, as justice professionals in areas related to the criminal justice system or human rights. They need an understanding of the fundamental principles of criminal law and of social justice issues related to criminal law. Lay people may assume that the law is shaped

by rational decisions aimed at reducing crime and punishing wrongdoing, when in fact a closer examination of the policy underpinnings, the substance of the law and the way in which it is applied demonstrates that such an analysis is overly simplistic. A deeper understanding of the forces that shape the law and of the way the law's application can distort its policy objectives is essential to those who wish to contribute to more effective laws and their administration.

### JSB178 Policy, Governance and Justice

Equivalent s	JSB081, JSB251, JSB271
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

This course is designed to help you meet the selection criteria for research and policy positions in government agencies. This unit will teach you basic vocational skills for working in any government agency, whether it is the Department of Justice, the Police Service or the Army. All government agencies rely on similar writing, communication and consultation skills for developing police, and many important public policies concern issues of law and justice. These skills are also used in the community sector and interest groups, and increasingly by the private sector. A theoretical and practical understanding of good

policy-making and the role of law and policy in governance will be a distinct advantage for both your career and citizenship roles.

### JSB179 Crimes of Violence

Equivalent s	JSB138, JSB177
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

Justice students work, or hope to work, as justice professionals in areas related to the criminal justice system or human rights. They need an understanding of fundamental principles of criminal law and of social justice issues related to violent offending. Laypeople may assume that the law is shaped by rational decisions aimed at reducing crime and punishing wrongdoing, when in fact a closer examination of the policy underpinnings, the substance of the law and the way in which it is applied demonstrates that such an analysis is overly simplistic. A deeper understanding of the forces that shape policy objectives is essential to those who wish to contribute to more effective responses to violent offending.

### JSB180 Deviance

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1, XCH-2

The study of deviance engages with fundamental aspects of criminology, such as the making of laws, the breaking of laws and responses to rule and law breaking. Drawing on problem solving skills and interpretive traditions in the social sciences, the unit encourages students to think critically about deviance (often defined as a 'social problem'), asking why some activities, sub-cultures and social groups are considered deviant and others not across various historical and cultural contexts. The unit also examines social and legal responses to managing and controlling deviance. These range from informal mechanisms (including gossip, ostracism, bullying), institutionalised forms of discrimination, criminal responses (such as hate crimes) and legal responses, such as legalisation and criminalisation. The scope and concerns of the unit make it broadly accessible to students and the unit's focus on real world social problems will appeal to QUT's student market.

**JSB207 Punishment and Penal Policy**

Pre-requisites	96 Credit Points of Completed Study
Equivalent s	JSB373
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

In the modern Western context, concerns with crime,

victimisation and social harm are key concerns for the citizenry. These issues also make up a significant part of media and political discourse and it could thus be argued that crime and punishment are defining cultural motifs of modern Western societies, forever concerned with security and safety from the 'criminal other'. This unit offers you a critical overview of the evolution of Western responses to crime over the past two centuries. The unit introduces the philosophies and theories that have underpinned the development of penal policy during that period. Utilising Australian and other case studies, you will be introduced to a range of policies and interventions associated with the construction of the modern penal system. The various stages of the development of penal policy will be covered. The unit will challenge you to think critically about a range of key issues confronting the penal system and policy-makers.

**JSB224 Understanding Trauma in Criminology**

Pre-requisites	96 credit points of previous study
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

This subject addresses the ways in which trauma is important to theory and practice in criminal justice and

social justice discourse. Trauma informed practice is explored in ways that introduce students to theory and skills in order to inform their engagement with policy and practice and expand their understanding of professional work in criminal justice. This is particularly important in understanding intergenerational trauma in Indigenous communities. This subject will build on understanding gained in core units to help prepare for careers working in criminal justice agencies and policy development in criminal justice related fields.

**JSB225 Forensic Criminology**

Pre-requisites	
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

Criminology becomes forensic criminology when research and theories are used to answer specific questions for investigations, court, or corrections. Forensic criminology uses the scientific method to apply traditional criminological knowledge to issues arising in specific cases. In this unit, students will be introduced to the application of criminology to case work, including the overarching principles, ethics and ethos of forensic best-practice. Students will learn about how forensic criminology is used in: investigating criminal behaviour

and deaths; complementing the forensic sciences; understanding victims and miscarriages of justice; predicting risk; and preventing revictimization and recidivism.

**JSB227 The History of Criminal Prosecution**

Pre-requisites	96 credit points of previous study
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

The prosecution process is an evolving and dynamic element of criminal justice systems. This unit interrogates contemporary issues in Australian criminal prosecution by drawing on historical themes of continuity and change. By examining and analysing the history of the criminal trial, students will attain a deep contextual understanding of the forces that shape criminal justice and legal practice in the prosecution process and how these processes have changed over time. Students will engage with a variety of digital history sources and digital technologies to analyse and interpret change over time in the prosecution of crime and disorder and in so doing will develop real world digital research skills. Students will apply these skills to analyse and interpret a contemporary issue/topic in criminal prosecution and evaluate how the broader social and historical context informs

current policy direction and practice.

**JSB228 Technology and Crime**

Pre-requisites	96 credit points of study
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

Technology is becoming increasingly used within society and is an important domain of knowledge and skills for justice professionals. This unit provides students with a grounding in how technology may be used to perpetrate crime and respond to crime problems. Students will learn about different types of crime that may be perpetrated using technology, such as cybercrime, image-based abuse, and technology facilitated coercive control. Students will also learn how technologies may be used in modern policing practices, including the use of body worn cameras, apps and other technologies. At completion of this unit students will be able to consider the implications of technology in the practice of justice.

**JSB235 Investigation and Evidence**

Pre-requisites	96 credit points of previous study
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SUM

Few people in justice fields are

trained investigators. Justice professionals are routinely communicating with and obtaining information from clients and others. Their roles may also require them to conduct an investigation and provide a report of their findings. The skills required to conduct an effective and ethical investigation are however quite specific and may ultimately result in the investigator giving testimony in court proceedings. Further the scope of possible investigations is very broad. While most will associate investigations to suspected breaches of criminal laws, investigations may relate to non-compliance with workplace policies e.g. health and safety incidents, negative workplace behaviour. Workplace Investigation Skills provides foundational investigation skills that will enable each student to plan an investigation, gather evidence, identify witnesses and suspects, and produce an professional report articulating the findings of the investigation.

**JSB255 Eco Crime**

Pre-requisites	96cp of completed studies
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

Issues pertaining to ecological harms and the protection of the environment are becoming ever more crucial in the development of both national and international policy. The balance between 'developing'

and 'harming' the environment is socially constructed through discourses around such issues as trade, resource exploitation, international justice, activism and human rights. It is vital that illegal and other harmful acts that damage or destroy the environment are understood and critiqued within the broader context of governmental policies of prevention and regulation. This unit prepares future professionals who will be employed in an environmental capacity, or will work more generally in policy and advocacy-based positions which intersect with issues of ecological harm and justice.

### JSB261 Theories of Government

Pre-requisites	96 Credit Points of Completed Study
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

It is not possible to fully understand our system of government without understanding the history of ideas of government that have led to this point. This is core knowledge for working in policy or politics. This unit will run through all the major theories of how governments should operate and the basis of authority, legitimacy and freedom. JSB261 Theory of Government will provide you with the necessary knowledge of what our system of government is designed to do and why we have this rather

than another system of government.

### JSB263 Australian Political Institutions

Pre-requisites	JSB172 or JSB178 or LLB101
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

Justice graduates are increasingly taking on key roles working in or alongside Australian governance institutions. It is essential that these graduates have a full and working knowledge of the structure of Australian government and the legislative process in order to excel in these roles in an increasingly professionalised public sector. This unit will explore the establishment, evolution and functioning of key Australian justice institutions, in order to increase students' understanding and awareness of our systems of governance.

### JSB266 White Collar Crime and Official Corruption

Pre-requisites	JSB172 or JSB178 or LLB101
Anti-requisites	JSB183, JSB265
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2

The study of public sector ethics covers the types of actions and the methods of

enforcement required to bring about performance in the public interest. This unit will introduce you in detail to the most important issues of public sector ethics, both in Queensland and the world. As government employees, it is essential that you not only understand these concepts but put them into practice. White collar crime is becoming more common in Australian society. There are a larger number of people in a position to participate in white collar crime and new opportunities are presented by a more corporatised and technological society. Greater resources are being applied to detect these crimes within police services. The study you will undertake in this unit follows on from learning in JSB172 Professional Academic Skills or JSB178 Policy, Governance and Justice.

### JSB267 Identity, Marginalisation, and Global Change

Pre-requisites	Completion of 96 credit points or more of study
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

To contribute to policy development in the global sphere, justice professionals need a thorough understanding of different forms of marginalisation, their development, and their cultural and social context beyond Australian borders. Justice



professionals who are able to critically reflect on global inequalities and the contexts from which they arise offer much more effective contributions to policy development in the interests of global justice. Using the concepts of identity, marginalisation, power, and resistance, this unit will provide the conceptual and practical tools with which to understand marginalisation in global contexts and particularly in the global South. These concepts will be used to evaluate existing policy responses and formulate new and innovative policies addressing global injustice. The unit aims to produce justice professionals who are able to engage in public policy debates, and thus achieve effective change, at a global level.

**JSB272 Theories of Crime**

Pre-requisites	96 Credit Points of Completed Study
Anti-requisites	JSN113
Equivalent s	JSB231, JSB018
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1, XCH-2

The main aim of this unit is to introduce the student to the study of theoretical criminology. The study of criminology is essentially multi-disciplinary and this is reflected in the diversity of theoretical approaches. Theory is typically offered as distinct from

methods of research; however, together they provide the foundation for policy and practice. The unit provides an analytical framework in order to critically assess the epistemological claims and justifications found in criminological theory. A range of criminological explanations and theories of crime are explored: classicism / neo-classicism; biological and psychological positivism; anomie; strain theory; the Chicago school; labelling theory; feminist criminology; Marxism; critical criminology; new right theory; left realism; post-structuralist perspectives and cultural criminology. The course stresses the relevance and application of theory, examining how theory 'works' (or 'fails') in practice.

**JSB273 Justice Research Methods**

Pre-requisites	JSB170 or JSB172 or JSB178 or LLB101 or PYB007
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1, XCH-2

Research within criminology highlights that in order for students to undertake research themselves and be able to critically read and assess the research of others they need to have a clear understanding of the research methods commonly used in the field (Kleck et al., 2006). This unit is designed to provide students with essential knowledge and

skills required to undertake justice research. At completion of this unit, you will: (a) be able to take these learned skills and apply them to your practice as a future justice professional, and (b) develop skills that can be used for further advanced study in both quantitative and qualitative research methods and analysis.

**JSB276 Independent Study**

Pre-requisites	96cp of previous study
Anti-requisites	JB976
Other requisites	96cp of previous study, minimum GPA of 5 and unit coordinator approval
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

In the course of their study, Justice students may discover an area that is of particular interest to them, or that has specific relevance to their intended professional orientation. This unit affords the opportunity to pursue such interests, extending aspects of their coursework in depth as well as further developing research skills. Students considering further study in the Bachelor of Justice (Honours) are encouraged to undertake this unit for entry to the program.

**JSB277 Independent Study**

Pre-requisites	96cp of previous study
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## Units

Equivalent s	JSB976
Other requisites	96cp of previous study, minimum GPA of 5 and requires academic approval
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

In the course of their study, Justice students may discover an area that is of particular interest to them or that has specific relevance to their intended professional orientation. This unit affords the opportunity to pursue such interests, extending aspects of students' coursework and professional interests in more depth as well as further developing research skills. Students considering further study in the Bachelor of Justice (Honours) are encouraged to undertake this unit for entry to the program.

### JSB278 Drugs and Crime

Pre-requisites	96cp of previous study
Equivalent s	JSB378
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SUM

Drugs, both legal and illegal, present challenges to individuals and the community as well as to the criminal justice and health systems in Australia. The unit is designed to introduce students to key

issues associated with drug use in Australia, including trends, patterns of usage and drug-related harms. Students will develop their skills proposing policy responses to drug control. The scope and content of the unit make this an important unit for justice professionals or those wanting to work in policy development, welfare and policing, and the unit's focus on real world social problems will appeal to QUT's student market.

### JSB279 Social Network Analysis Skills

Pre-requisites	96 credit points of previous study
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SUM

This unit will provide you with the knowledge and skills to work in social network analysis roles in business, government, policing and the media. Social network analysis is the mapping and analysis of relationships between individuals in society. 'Bright Networks' are those positive sets of relationships in which relationships assist people in having the 'social capital' to be able to succeed in the world. This capital can be business relationships, supportive relationships through family and friends, or the relationships that allow for partnerships to improve your own life or that of your community. "Dark Networks" on the other hand, are the secret networks that operate in the shadows, including organised crime

groups and terrorist cells. They build criminal capital which is the connections to money and skills that allow for illicit outcomes. You will learn how to map the networks and understand how they work.

### JSB284 Policing in Context

Pre-requisites	96 Credit Points of Completed Study
Equivalent s	JSB274
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1, XCH-2

This unit is concerned with the diverse roles, duties, powers and problems of policing in Australia. These issues are explored through a variety of topics, which include the history and context of policing in Australia, the powers and duties of police officers, the varied tasks that police are required to perform as part of their job, ethics, and the key issues that police face in undertaking their role in society.

### JSB285 Political Violence and Terrorism

Pre-requisites	96cp of previous study
Equivalent s	JSB985
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1

Understandings of multiple

forms of political violence (including terrorism) is crucial for work in the law enforcement or justice sectors and agencies. Political violence and terrorism take many forms and are a growing form of conflict and insecurity globally. The history of political violence and terrorism and the issues that motivate individuals, non-state groups, and governments to engage in violence are complex. In order to understand the existence and influence of, and responses to, political violence and terrorism, this unit explores: the defining characteristics of political violence and terrorism historical and geographical contexts of political violence, drawing on historical and contemporary examples responses to political violence and to terrorism, and current developments and challenges in addressing such violence

**JSB286 Domestic Violence**

Pre-requisites	96 Credit Points of Completed Study
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

Domestic violence is a crime that is pertinent to virtually all justice professions and contexts from policing to law and justice policy. It is also a central issue in health care and social services, and arises in many other employment contexts. This unit provides a comprehensive introduction to research and issues in the field

that students will be able to apply in many areas of practice.

**JSB287 Crime in Popular Culture**

Pre-requisites	96cp of previous study
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SUM

Crime and criminality are ubiquitous in popular culture. Justice studies and criminology are multidisciplinary enterprises with a longstanding interest in cultural and social responses to crime. A critical account of how criminality and justice are represented in popular culture will provide a better understanding of how cultural genres shape mainstream attitudes and responses to crime, including shifting political and policy responses. This unit provides a comprehensive introduction to research and issues in the field that students will be able to apply in many areas of practice, including the analysis of media responses to crime.

**JSB289 Preventing Gendered Violence**

Pre-requisites	96 cp of previous study
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

Domestic and sexual violence are now very much on community and policy agendas

in Australia. There is in Australia and internationally a significant field of programming, policy, and advocacy devoted to the prevention of domestic and sexual violence. This field complements efforts to work with victims and to hold perpetrators accountable, but focuses on how to prevent such violence from occurring in the first place. The violence prevention field includes efforts to build healthy relationships and families, involve and develop communities, promote community norms of nonviolence, improve organisational practices and workplace and institutional cultures, lessen gender inequalities, and address the larger cultural, social and economic factors that contribute to violence. This unit provides a comprehensive exploration of violence prevention.

**JSB306 International Justice Study Tour**

Pre-requisites	96 cp of previous study
Other requisites	at the discretion of the unit coordinator
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

This unit is a work integrated learning (WIL) unit and provides you with the opportunity to undertake a justice-related study tour overseas. Study tours may

cover a broad range of international experiences, such as human rights and international justice problems and solutions. The distinguishing feature of this unit is the focus on experiential learning in another country, and the requirement to integrate your international study tour experience with theoretical knowledge obtained as part of your degree. This unit offers the opportunity to engage in real-world experience in an international context.

### JSB307 Indigenous Justice Placement

Pre-requisites	192 credit points of previous study
Other requisites	at the discretion of the unit coordinator
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point and External
Availabilityes	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

This unit offers Work Integrated Learning (WIL) in the form of a professional placement in which students can intern at a relevant Indigenous justice-focused organisation or take part in the QUT-Cherbourg Project. In order to operate effectively in the workplace, students will need to be able to connect and apply the knowledge and theory that have gained from the other units in the degree to the practice of the profession. This unit supports students to develop these skills in an Indigenous justice context.

### JSB367 Intelligence and Security

Pre-requisites	96cp of previous study
Equivalent s	JSB377
Credit Points	12
Campus	External
Availabilityes	<b>External</b> - SUM

Intelligence is increasingly taking a leading role in investigations and security procedures, with analysts setting a direction for criminal investigation and security teams. The unit exposes students to the essentials of the criminal intelligence systems, the intelligence process and creative problem-solving skills. Intelligence professionals are also concerned with support to government, the private sector and the community. Criminal intelligence offers an advantage through the provision of accurate and timely advice. Criminal intelligence requires proficiency in thinking strategies and skills, interpersonal effectiveness skills, teamwork, and application of intelligence process methodologies in a variety of cultural contexts.

### JSB372 Youth Justice

Pre-requisites	JSB207 or JSB273 or LLB101 or PYB007. JSB207 can be enrolled in the same teaching period as JSB372
Equivalent s	JSB232, JSB041
Credit Points	12
Campus	Gardens Point, EXCHANGE and External

Availabilityes	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2
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The unit teaches specialised knowledge to students in their final years of study and is imperative for students interested in working in the field of youth justice. It connects broader knowledge about policing and criminal justice with specific issues relevant to young people who become involved in the criminal justice system, with a focus on socially just outcomes for young offenders.

### JSB374 Crime Prevention

Pre-requisites	JSB172 or JSB173 or LLB101 or PYB007
Anti-requisites	JSN112
Equivalent s	JSB333, JSB044
Credit Points	12
Campus	Gardens Point and External
Availabilityes	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

In recent years the effectiveness of the criminal justice system has come under sustained criticism. A key criticism of traditional criminal justice responses to crime involving police, courts and imprisonment is that they are reactive responses, occurring only after a crime has been committed. This has led policy makers, criminologists and criminal justice practitioners to develop schemes that involve federal, state and local authorities working together to predict, identify and address causes of offending. Such



## Units

approaches to crime control emphasise proactive responses, which seek to prevent the crime before it has occurred. There are various approaches to crime prevention, as well as many perceived barriers to its successful implementation. This unit introduces students to the concept of crime prevention as well as its application to societal problems.

### JSB379 Political Practice, People Power, and Protest

Pre-requisites	96 Credit Points of Completed Study
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

There is increasing demand in Australia for graduates with the skills and expertise required to contribute to the policy-making process and delivery of democracy. It is therefore necessary for students who wish to work in the public sector or as part of the political process to understand the practice of policy, and politics, in our society. This unit offers students an insight into the machinations of government and examines the role of people power in governance. The unit gives students an opportunity to acquire skills necessary to participating in the policy-making process in Australia.

### JSB380 Critical Policy Analysis

Pre-requisites	JSB207 or JSB263
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Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

The ability to undertake rigorous, effective, and critically-informed analyses of justice-related policies is an essential attribute of justice professionals. It is imperative that those employed in areas connected to justice policy are equipped with a variety of practical and theoretically-informed tools with which to undertake such analysis, especially in order to address marginalisation and social injustice, and improve social inclusion. This unit provides the opportunity for you to draw together the knowledge and skills you have developed in this area, and build on them, in order to hone and practise these capabilities.

### JSB386 Death Investigation

Pre-requisites	96cp of previous study
Equivalent s	JSB986
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1, XCH-2

The investigation of death is a well-regulated system, orchestrated through the coronial system with identification of suspicious deaths undertaken by the criminal justice system. This death investigation model

involves legal, medical and criminal justice personnel to establish both the medical cause and legal circumstance of death. The information gathered in this way is also used to inform government policy, including preventing deaths. In the wake of Harold Shipman in the United Kingdom and Dr Patel in Australia, the issue of concealed homicide has become topical, with questions asked about how the coronial system can better investigate death. Detailed knowledge of death investigation in Australia is crucial for legal and medical professionals as well as criminal justice agency personnel. This unit examines the history, processes, procedures and outcomes of death investigation in Queensland; including overrepresentation, cultural issues, trauma and determining manner of death.

### JSB424 Thesis 4

Equivalent s	JSB414-4
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-1

The thesis allows you to undertake a major and specialised research project in which you will identify a research problem, establish a research design, collect and analyse data, and report on the findings. It is a unique opportunity to fully immerse yourself in a chosen field of

research. The preparation of a research dissertation is the culmination of the research training undertaken through the Honours coursework, and is an essential part of the Honours degree.

### JSH417 Key Theories and Concepts in Criminology

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Notions of crime, criminalisation, deviance and justice are variable, contested and contingent. The want of a stable theoretical object has meant that criminology struggles to be seen as a distinct discipline. It is instead, a diverse field that includes: sociology, law, psychology, history, politics and government, anthropology, social work, media studies and youth studies; and scholars who do not necessarily define themselves as criminologists first and foremost, or at all. This unit adopts a historical approach to the tensions and overlaps between criminology and other social sciences, attending to ruptures and new directions in the field and the conditions in which they emerged. It will equip you with an advanced understanding of key concepts to enhance your theoretical engagement with the criminological research environment. As a core part of the Honours program it will assist you to develop strong critical thinking skills, and situate your own research within the discipline.

### JSH418 Advanced Research Skills

Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Employment as a researcher in government departments and justice agencies and the successful undertaking of higher degree study requires an ability to independently design and execute complex research projects. The Honours year is often the first time that students have been required to research independently. An integral part of good research is the establishment of parameters within which research should proceed. Knowledge of the literature in and around the chosen topic is vital to establishing the basis of a good research project. This unit will provide you with an opportunity to become thoroughly familiar with the bibliography of specialised literature relevant to your nominated field of research and to conduct a comprehensive research project on a topic from a list to be advised by the unit coordinator.

### JSH419 Honours Research Methods

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit aims to provide students with a strong

grounding in academic research methodologies and skills in order to inform their Honours theses and any future postgraduate research that they may undertake.

### JSH424 Thesis 2

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The thesis allows you to undertake a major and specialised research project in which you will identify a research problem, establish a research design, collect and analyse data, and report on the findings. It is a unique opportunity to fully immerse yourself in a chosen field of research. The preparation of a research dissertation is the culmination of the research training undertaken through the Honours coursework, and is an essential part of the Honours degree.

### JSH424 Thesis 4

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The thesis allows you to undertake a major and specialised research project in which you will identify a research problem, establish a research design, collect and analyse data, and report on the findings. It is a unique opportunity to fully immerse yourself in a chosen field of research. The preparation of a research dissertation is the

culmination of the research training undertaken through the Honours coursework, and is an essential part of the Honours degree.

### JSH424 Thesis 3

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The thesis allows you to undertake a major and specialised research project in which you will identify a research problem, establish a research design, collect and analyse data, and report on the findings. It is a unique opportunity to fully immerse yourself in a chosen field of research. The preparation of a research dissertation is the culmination of the research training undertaken through the Honours coursework, and is an essential part of the Honours degree.

### JSH424 Thesis 1

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The thesis allows you to undertake a major and specialised research project in which you will identify a research problem, establish a research design, collect and analyse data, and report on the findings. It is a unique opportunity to fully immerse yourself in a chosen field of research. The preparation of a research dissertation is the culmination of the research

training undertaken through the Honours coursework, and is an essential part of the Honours degree.

### JSQ165 Policy, Governance and Justice

Equivalent s	
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This foundational unit is designed to introduce the skills required for research and policy positions in government agencies and enhance the key vocational skills required for working in any government agency, including writing, communication and consultation for developing policy. You will be introduced to the policy cycle and the wider policy issues associated with government and social justice environments.

### JSQ166 Justice Institutions

Equivalent s	
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

An understanding of government institutions is critical for students who wish to work effectively in or alongside the public sector. This unit will provide you with advanced knowledge of governance institutions at all levels of the Westminster System.

### JSQ167 Public Sector Research

Equivalent s	
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

It is essential that students have knowledge and understanding of applied research so that they may work effectively in professional research and policy contexts (e.g. government, non-government and academic). This unit builds applied research and policy evaluation knowledge and skills for use in public policy development.

### JSQ168 Critical Policy Skills Capstone

Pre-requisites	
Equivalent s	
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

There are a number of critical policy skills required of the professional contemporary policy officer. This unit aims to develop, enhance and consolidate your skills to enable you to undertake sophisticated and effective policy work, both in the public and the private sector. This capstone unit will consolidate your critical policy analysis skills, and build the knowledge and capacity to engage effectively with stakeholders and to effectively design and oversee policy. In this unit, you will have the

opportunity to engage in work integrated learning by evaluating and advising on a specific policy issue identified by a real-world industry partner working with the students.

### JSQ201 Dynamics of Domestic Violence

Equivalent s	JSN201
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

It is essential that those who work with victims, perpetrators and others affected by domestic violence understand what domestic violence looks like and how it operates. This unit uses contemporary social science research to explain the current state of knowledge about domestic violence. The unit provides extra teaching and learning support to ensure student success and provides a sound basis for the other units in the Graduate Certificate. Although the domestic violence units can be taken in any order, it is strongly recommended that students commence with JSN201, especially those who have taken a break from study or have limited experience with online learning.

### JSQ202 Children and Family Violence

Equivalent s	JSN202
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

The research evidence on abuse of pregnant women, the relationship between domestic violence and child maltreatment, and trauma is scattered across multiple fields of scholarship and practice. This unit synthesises research from multiple disciplines to inform practice.

### JSQ203 Reducing Lethal Risk

Equivalent s	JSN203
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

Domestic and family homicides comprise approximately 45% of all homicides in Queensland and a significant proportion of all homicides of women worldwide. However, research evidence is rarely integrated into professional practice in the very fields that have been identified as key contexts for prevention. This unit aims to provide knowledge based on the latest research about the risks and characteristics of domestic homicide and suicide to inform professional practice and further study and build capacity for action or intervention to prevent violence.

### JSQ204 Working With Domestic Violence Victims

Equivalent s	JSN204
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

Professionals who deal with

domestic violence are called upon to address diverse needs from a variety of community contexts. They are also exposed to traumatic information and images that can affect their well-being and professional performance. This unit provides information about domestic violence services, tools for practice, the needs of diverse communities, and strategies for self care to enhance professional performance and inform further study.

### KCB105 Inquiry in Media and Communication

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit explores how research is undertaken and applied by media industries and researchers and provides the skills to conduct qualitative and quantitative research. The research process (define problem, collect relevant information, analyse information, formulate conclusions/outcomes) underlies many decisions that confront media and communication professionals. The unit will involve qualitative and quantitative research methods including content analysis, focus groups, ethnography, interviews and survey research which are studied within the media context. You will carry out research using some of these



methods, analyse the results and present your conclusions and recommendations.

### KCD103 Strategic Speech Communication

Equivalent s	KCB213, KCB103, CCB203
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

This unit emphasises both theory and practice of effective speech and interpersonal communication. You will be introduced to the theories and concepts of persuasion and the use and performance of language, which are interrelated to promote understanding and development of your communication skills in the context of presentations. An integral part of entrepreneurship and leadership, you will become articulate and strategic presenters in a range of contexts, including professional and personal presentations that focus on audience engagement and guidance. As a speaker and presenter, you will also build skills of self-awareness that allows for self-critique and continued growth.

### KDB101 Dance Performance 1: Analysing Dances

Pre-requisites	KDB103 can be enrolled in the same teaching period as KDB101.
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit fosters your fundamental development as a professional performing artist through: 1) providing the opportunity for you to work with a choreographer and/or replication from video and/or other processes, with guidance from a rehearsal director, and 2) equipping you with dance analysis methodologies and understandings necessary to analyse the choreographic process and concepts underpinning the work created by the choreographer for this unit.

### KDB102 Dance Performance 2: Dance Histories

Pre-requisites	KDB101 and KDB104. KDB104 can be enrolled in the same teaching period as KDB102.
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This is the second in a suite of four units that fosters and continues the development of the professional performing artist. This unit provides the opportunity for you to work with a choreographer and/or replication from video and/or other processes, with guidance from a rehearsal director. This unit builds upon Performance 1, and addresses dance history. The performer uses dance history to contextualise and enrich their current experience of choreographic and performance practice. In this unit you will explore the historical legacies that have influenced the choreographic work/s you are learning.

### KDB103 Dance Technique 1

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit enhances skills in, and develops knowledge of, dance technique and artistry through guided training and reflective practice. As an introductory unit, it is the first in a series of four practical units which establish the critically important routine of daily technique training in ballet and contemporary dance for the elite dance professional. To support your technical development, you will be exposed to, and physically participate in, complementary practices associated with dance training.

### KDB104 Dance Technique 2

Pre-requisites	KDB103
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit aims to further enhance skills in, and develop your knowledge of, dance technique and artistry through guided training and reflective practice. You will develop the technical, artistic and reflective practice skills introduced in KDB103 Dance Technique 1. This will advance your development towards becoming a dance professional by exposing you to increasingly complex material and reflective practice methods.

### KDB107 Foundations in Improvisation and Choreographic Practice

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit introduces the fundamentals of improvisation and choreographic practice. Throughout it you will participate in a series of creative laboratories that seek to enliven an experiential understanding of the body in dance and explore different practices and processes that cultivate tools for dance making. The unit focuses on exploring dance through different approaches to improvisation and task-based processes. This is an opportunity to develop your foundational skills as a choreographer in dance through developing critical skills in experimentation, physical thinking, responsiveness, as well as the ability to mobilise your ideas and concepts.

### KDB112 Dance Technique Fundamentals

Equivalent s	KDB120
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces dance technique and the application of somatic practices. It includes the principles of safe dance practice, alignment, kinaesthetic awareness, and maintaining a sustainable

embodied practice. Through practical classes you will develop your technical foundation in different dance styles and understanding of the principles of movement. The development of your engagement and understanding of what your dance practice might be and how it informs your future as a dance practitioner is at the forefront of this unit.

### KDB113 Dance Studies

Equivalent s	KDB106
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit will give you an introduction to the diverse field of dance studies. Through encountering relevant theory and reflecting on recorded dance performances, the unit will equip you with critical frameworks through which you can interrogate various aesthetic codes and relevant issues relating to dance in a variety of historical and cultural contexts. This will involve a range of perspectives including dance analysis, writing from practising choreographers and dancers, historical and cultural contextualisation, gender issues, racial diversity, and social dance. These understandings are an integral part of a wide range of pursuits within the dance industry including those of the performer, choreographer, and critic, as well as useful to other Creative Industries' disciplines.

### KDB122 Popular Dance Styles

Equivalent s	KDB121
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

The unit focuses on different dance styles and their application in different contexts, supported by complementary studies. You will continue to explore and develop your emergent understanding of your dance practice and your future as a dance practitioner. This unit builds upon the knowledges you have developed in KDB112 Dance Technique Fundamentals by offering you an introduction to a broader spectrum of popular dance styles. You will undertake a series of practical classes throughout the semester that may include a combination of: Jazz, Hip-hop, Ballet, Contemporary, Latin Dance or Swing.

### KDB123 Dance Legacies

Equivalent s	KDB110
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit will introduce you to the dance legacies that underscore dance practice. In the history of Western Arts, a number of key philosophies may be identified including romanticism, classicism, modernism, postmodernism and metamodernism, some of

which are also evident in the arts of other cultures. In dance, they led to the formation of aesthetic codes that in some cases are still very much in operation in the dance industry. These will be further contextualised in relation to Indigenous Australian dance and the wider Asia Pacific region. Through encountering relevant theory and reflecting on live and recorded dance performances, you will be supported to critically interrogate how these legacies continue to inform current practices.

### KDB206 Dance in Contemporary Culture

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit builds upon embodied knowledge and dance practice developed in KDB122 Popular Dance Styles. Through a series of seminars and practical workshops you will explore different trends in the role and place of dance in contemporary culture. You will explore dance's place in society and the development of trends such as Dance in Museums, Hip-hop culture, Dance as a Political Intervention, and Dance for Well-being.

### KDB210 Dance Composition

Equivalent	KDB209
Credit Points	12
Campus	Kelvin Grove

Availabilities	<b>Kelvin Grove</b> - SEM-1
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This unit introduces the fundamentals of dance composition through exploring a range of choreographic practices. It focuses on understanding the tools available for composing dance and using these to develop successful choreographic outcomes. Through studio-based shared practice sessions, online activities, reflecting on readings and performance documentation you will begin to develop an aesthetic understanding applicable across your artistic practice. The unit examines movement ideas, shifting from simple to complex group configurations, and understanding how to develop a compositional methodology for a particular context. It offers the opportunity to develop your choreographic skills and understanding by working in collaboration with a choreographer.

### KDB211 Dance Performance 3: Current Trends

Pre-requisites	KDB102 and KDB213. KDB213 can be enrolled in the same teaching period as KDB211.
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

To better understand the creative practice, this unit provides the tools to situate and expand your performance experiences. It builds upon

KDB102 to further develop you as a professional performing artist. You will work with a choreographer and/or replication from video and/or other processes, with guidance from a rehearsal director. The unit examines current cultural, social and political trends and issues, both local and global, and their impact on dance-making, technology, science, and interdisciplinary practice. The performer uses an understanding of contemporary trends and issues to situate the choreographic experience and expand their ability to engage with and contribute to the choreographic process. In this unit you will investigate how the choreographer for this unit, and consequently their artistic practice and sensibility, are informed through these perspectives and relate to emergent practices that are shaping the future of dance.

### KDB212 Dance Performance 4: Intersections

Pre-requisites	KDB211 and KDB214. KDB214 can be enrolled in the same teaching period as KDB212.
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

In this unit you will work with a choreographer and/or replicate a choreographic work from video and/or other processes, with guidance from a rehearsal director. You will examine current cultural, social and political trends and issues and

their impact on and intersections with dance-making, technology, science, and interdisciplinary practice. You will investigate how the appointed choreographer and/or the choreographic work are informed through these perspectives and relate to emergent practices that are shaping the future of dance. In this unit, workshops, rehearsals and performance practice, will be informed through a deepening of the research undertaken in KDB211 Dance Performance 3: Current Trends.

### KDB213 Dance Technique 3

Pre-requisites	KDB104
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit develops your dance technique and artistry, advancing your transformation towards becoming an elite dance professional. To support your technical development, you will continue to be exposed to, and physically participate in, complementary practices associated with dance training. This is the third unit in a series of four practical units which establishes the critically important routine of daily technique training in ballet and contemporary dance for the elite dance professional. You will learn through guided training and reflective practice to develop expertise in dance technique and artistry,

advancing your transformation towards becoming an elite dance professional.

### KDB214 Dance Technique 4

Pre-requisites	KDB213
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit develops to a pre-professional level the technical and artistic skills accumulated through the previous three Dance Technique units. This is the final unit in a series of four practical units which establish the critically important routine of technique training for the dance professional. This unit will engage you in advanced technical dance training in ballet and contemporary dance. In the current artistic climate, it is essential for you to possess a strong command of dance technique and complementary practices. Through embodied knowledge and reflective practice, training methods will adequately prepare you for the rapidly increasing demands placed on dancers in order to successfully locate yourself within the dance industry as an emerging professional.

### KDB216 Choreographic Practice 1

Pre-requisites	KDB107
Equivalent s	KDB209
Credit Points	12

Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit examines different approaches to choreography while enabling you to develop your own methodologies to realise your creative ideas. It aids you to articulate and analyse the creative process and engage with feedback. You will develop documentation and annotation skills to enable you to map your creative practice. In the dance industry, it is essential to understand choreographic practice to work successfully as dancer and choreographer. This unit will introduce you to the concept of choreographic thinking and allow you to engage in the experience of creation from the inception and development of an idea through to the completion of a choreographic work. This will be supported through encountering a range of approaches to dance making drawn from theory and current creative practice. You will be exposed to strategies and concepts drawn from other disciplines where relevant to enable you to gain a deeper insight into potential processes and contexts of choreographic work.

### KDB217 Choreographic Practice 2

Pre-requisites	KDB216
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b>



- XCH-1, XCH-2

This unit further develops your choreographic thinking, studio-based processes, tasks and improvisational skills, to support movement creation and choreographic vision. You will explore your emergent choreographic practice and begin to situate yourself as a dance artist within broader industry contexts. Building on your understanding of solo choreographic practice (as experienced in KDB216 Choreographic Practice 1), you will look outwards to gather a situated understanding of your process and practice as an emerging dance artist within the field. You will be guided through weekly tasks that will introduce you to screen dance, digital filming and editing processes and shared practice and will develop your skills in producing and documenting your work across a range of digital platforms.

### KDB218 Performance in Context 1

Pre-requisites	KDB122 or KDB111
Equivalent s	KDB215
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

This project-based unit develops technique, artistry, communication skills, performance ability and confidence through professionally guided rehearsals, classes, performances and workshops. It enables you to use, adapt

and transform your skills for artistic expression in various performing domains including collaborative and interdisciplinary practice. This is the first of two units introducing you to the practice of the Teaching Artist as a facilitator of dance-led experiences. You will apply your developed knowledge of technical skill and artistic practice to the creation of a performance situated within a specific context. You will explore your role as a Teaching Artist from different perspectives throughout workshops, rehearsals and performances supported through guest/resident choreographers and teachers. These skills are best developed in a range of contexts to foster adaptability in dance performance, creative process and workshop settings.

### KDB222 World Dance

Equivalent s	KDB108
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This unit aims to develop your sensitivity, curiosity, and knowledge of cultural diversity and protocols, through participating in dance styles from around the world and learning about their contexts. Through practical classes you will gain an experiential understanding of the dance styles, which will be contextualised through lectures and reflective practice

strategies. The new generation of twenty-first century global citizens needs to be agile in the understandings and skills necessary to negotiate cultural difference if they are to contribute to creating peaceful communities. In this unit, participating in dance styles from around the world and learning about their contexts, provides an opportunity for you to develop these attributes.

### KDB223 Screen Dance

Pre-requisites	KDB210 or KDB209
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This unit introduces you to the field of screen dance through a critical and practical engagement with the genre. As such, it addresses key concerns of screen dance practice from a critical perspective, alongside developing your skills in producing and documenting dance across a range of digital platforms. Through mixed delivery and online learning you will develop skills associated with the conceptualisation, composition, filming and editing of movement for the camera. These skills will be transferable across a range of different platforms and can be applied to the creation of new screen dance works as well as to documentation of performance and creative process.

### KDB316 Choreographic Project 1

Pre-requisites	KDB217
Equivalent s	KDB303
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit draws on your previous studies in choreographic practice to enable you to engage in a self-directed creative project with a focus on developing your own creative methodologies, documentation practices, collaborative skills and interdisciplinary approaches. You will draw from your situated understanding of your process and practice as an emerging dance artist within the field as explored in Choreographic Practice 2. This will enable you to confidently develop studio-based practice and processes that lead to the creation of dance works and can extend across a diverse range of cross/trans/inter disciplinary settings.

### KDB317 Choreographic Project 2

Pre-requisites	KDB316 or KDB209 or KDB217
Equivalent s	KDB304
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit formulates your choreographic or performative specialisation and aids you to confidently present and promote your original work as a

nascent dance practitioner. It draws on your previous studies in Choreographic Practice to enable you to engage in a self-directed creative project with a focus on developing your own creative methodologies, documentation practices, collaborative skills, and interdisciplinary approaches towards a showing or presentation outcome. In this unit you will demonstrate a sophisticated choreographic practice or sophisticated co-creative practice (as a dancer).

### KDB318 Performance in Context 2

Pre-requisites	KDB218 or KDB215
Equivalent s	KDB305
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit aims to enable you to use, adapt and transform your skills for artistic expression in a specific performing domain including collaborative and interdisciplinary practice. As such, this project-based unit provides the context in which you will develop technique, artistry, communication skills, performance ability and confidence through professionally guided rehearsals, classes, performances and workshops. It is the second of two units which builds on the practice of the Teaching Artist as a facilitator of dance-led creative experiences. You will apply your developed knowledge of technical skill and artistic

practice to the creation of a performance situated within a specific industry engaged context while exploring your role as a Teaching Artist from different perspectives.

### KDB320 Independent Dance Project

Pre-requisites	KDB318
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit enables you to adapt and transform your dance skills for artistic expression and is the culmination of your previous two Performance in Context units. This guided experience supports you to develop your skills to work independently and to establish your practice as a teaching artist through the key processual stages including conception, development and realisation of your ideas. You will apply your integrated knowledge of technical skills and artistic practice to effectively initiate and realise an independent dance project. This self-contained, discrete project will enable you to develop your skills, professional identity and aptitude for engagement within a variety of industry contexts.

### KJB280 International Journalism

Pre-requisites	KJB224 or CJB201
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b>

## Units

es	- SEM-2 <b>External</b> - XCH-2
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News media systems are developing and changing because of new technologies, corporate change, and professional development among practitioners, who increasingly work in internationalised settings, with increased market demand from different world regions. Journalists working abroad can cultivate their strengths and respond better to new demands if they understand and are sensitive to the changing cultures and values of countries they report on. By exploring political, economic, historic and other social influences on the roles, rights and expectations of journalists in different countries, you will consider how the skills you study in an Australian context may be adapted to other circumstances.

### KJB323 Online Journalism 2

Pre-requisites	KJB222
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit explores the background, skills and principles of online journalism enabling you to write and publish reports online. You will receive practical hands-on training allowing you to incorporate text, audio, video and still images into timely online news and feature

reports. You will be required to consider the application of other online communication tools (Blogs, wikis, YouTube etc.) in a modern journalistic environment. You will also work independently to develop individual news or feature stories highlighting the innovative possibilities of the online journalism medium. As more news and other factual material including commentary are being processed through online media, practitioners and also intending citizen journalists will benefit directly from studying the social and economic underpinnings of the format and building skills for using it.

### KJB336 Radio and Television Journalism 2

Pre-requisites	CJB203 or KJB235
Equivalents	KJB338
Credit Points	24
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit aids you to produce radio and television news and current affairs programs of broadcast standard while strengthening the reporting skills developed in KJB235. It builds understanding of, and reflection on, the social role of the broadcast journalist and the medium's impact on the message. It is intended to give you a better understanding of the nature of radio and television news and current affairs in their various forms

and related issues and to further develop your understanding of newsgathering and reporting principles. It includes the philosophy and formulation of radio and television news, anchor techniques, and radio and television news production using computers. Culturally safe practice is an essential element when working as a holistic and accountable professional with Indigenous Australians and their communities. This requires deconstruction of your own cultures, values, beliefs and attitudes and the impacts on becoming culturally safe in your discipline.

### KJB337 Investigative Reporting

Pre-requisites	CJB101 or KJB120
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This advanced reporting unit stresses the watchdog role of the news media using investigative reporting approaches. In order to inform prescient news features, the class will examine two news issues that are central to the current news agenda. Journalists must be able to critically analyse and report to deadline matters of public interest for publication in a range of media outlets. Such attributes are developed to an advanced level through this reporting and writing unit which couches discussion and



analysis of this process in the context of understandings of journalism's role in informing discussion around major issues of public affairs.

### KKB180 Creative Futures

Equivalent s	KYB102, KKB101, KKD101
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces creative industries disciplines, inter-disciplinarity and the careers of creative industries practitioners. It aids you to plan your course of study in line with your career interests and potential career opportunities. It enhances your research, written communication and critical thinking skills for various professional and academic purposes. The unit draws upon cutting edge research into the distinctive characteristics of the creative industries and the creative workforce to introduce you to study and work as an emerging inter-disciplinary creative practitioner. You will investigate creative career possibilities and opportunities and develop essential information literacy and written communication skills for both academic and professional contexts. You will envision potential creative career pathways and discover which skills and strategies you'll need. This will help you make the most of your degree.

### KKB185 Creative Enterprise Studio 1

Equivalent s	KKB102, KKD102, KYB101, DYB101
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides competencies such as teamwork, collaboration, networking, critical thinking and enterprise skills. As such, the unit responds to opportunity identification and value creation aligned to industry and/or community-based real world needs. Whilst the value of disciplinary expertise remains constant in this changing world, many problems facing organisations and societies naturally span disciplines. Collaboration and inquiry into these real world problems require a breadth of knowledge and skills in ways that demand and reward curiosity and innovation. Being the first of three Creative Enterprise Studio units, your ability to respond to complex and unique real world problems is strengthened by learning to think and act in diverse ways and draw upon perspectives, methods and insights garnered from the multiplicity of disciplines in your unit cohort.

### KKB190 Yatdjuligin - Cultural Safety in Indigenous Australian Context

Equivalent s	OUB100
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Culturally Safe practice is an essential element in a professional's ability to work in a holistic and accountable way with Indigenous Australian peoples and their communities. This requires deconstruction of your own cultures, values, beliefs and attitudes by taking you on a learning journey that allows you to move beyond cultural awareness and cultural sensitivity through to cultural safety. This unit will prompt you to develop your own strategies to be a culturally safe practitioner in both innovative and creative ways.

### KKB191 Am I black enough? Indigenous Australian Representations

Equivalent s	OUB110, EDB039
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Aboriginal and Torres Strait Islander peoples, identities, communities and cultures have been represented in a variety of mediums and artefacts since colonisation. The purpose of this unit is to deconstruct these representations from Indigenous standpoints and critically analyse how Aboriginal and Torres Strait Islander peoples continue to be positioned across multimedia. This unit facilitates informed discussions prompted by exposure to historical and contemporary constructions of Aboriginal and Torres Strait Islander peoples from Indigenous standpoints and perspectives. This unit allows



you to challenge existing perspectives of Indigenous Australia through creative and scholarly works by Indigenous artists and scholars. Engaging with this deconstruction will assist you to apply knowledge and skills of culturally safe practices within your personal and professional practices in a confident and safe manner.

### KKB192 Smash the Act - Indigenous Australian Politics

Equivalent s	OUB120
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit will provide you with an introductory knowledge of Australian Indigenous political culture, history, politics and activism through exploration of Indigenous standpoints. The ongoing history of colonial policy will be examined through Indigenous peoples' struggle for equal rights, Indigenous rights and self-determination. Core political concepts and institutions in Australian social life such as the nation-state, sovereignty, liberalism, representation and democracy will be viewed from Indigenous perspectives and critically analysed according to their capacity to accommodate Indigenous sovereign interests including treaty and institutional reform. You will be actively involved in contemporary debates such as government policy towards Indigenous peoples and communities, the continuing struggle for land rights and Native Title, the

United Nations Declaration on the Rights of Indigenous peoples and other relevant issues as they arise.

### KKB193 Indigenous Knowledge: Research Ethics and Protocols

Equivalent s	OUB130, EDB040
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit critically analyses and articulates culturally safe research that reflects decolonising methodologies as an underpinning framework for research regarding Indigenous Australian issues. The need for culturally safe research is supported by the obvious gaps in knowledge of the ongoing life-differentials and social determinants that impact on Indigenous Australians. Interrogation of Western research and Indigenous scholarship spanning international contexts will challenge you to critically analyse and deconstruct previously held perceptions of research conduct. Indigenous knowledges and pedagogies will facilitate a transformative learning journey in a process where students critique Western research frameworks that continue to represent the Indigenous peoples as the 'other'. The unit will engage your learning through Indigenous knowledge frameworks that facilitate the development of a decolonising research proposal which adheres to Indigenous

research ethics and protocols.

### KKB285 Creative Enterprise Studio 2

Pre-requisites	KKB185
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This unit furthers your theoretical and practical knowledge and skills to develop enterprise focused creative projects. It links with work previously undertaken in KKB185 Creative Enterprise Studio 1 and prepares you for the final semester capstone unit KKB385 Creative Enterprise Studio 3. You will build upon your foundational understanding of project development gained in KKB185 and develop skills in project delivery and management through to prototyping your creative idea. The concept of iterative design is introduced through reflection on the success of the prototype and recommendations for future iterations and creative experimentation. This unit allows you to extend your project development skills including field analysis, creative experimentation, communication, problem solving and project evaluation.

### KKB341 Work Integrated Learning 1

Pre-requisites	Completion of 168 credit points of study
Anti-requisites	BEB701, BEB702, KKB343, KKB344
Credit Points	12

## Units

Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM <b>External</b> - XCH-1, XCH-2

This unit focuses on transferring skills into a workplace setting via participation, observation and reflection, with emphasis on the relationships between academic and professional knowledge. It is important that you gain real world work experience to link university study with professional practice in your chosen industry. The unit provides experience in applying discipline knowledge in professional practice to strengthen discipline-specific learning and specialisation; an understanding of professional communication protocols, professional conduct and risks within a workplace setting; a critical understanding of the role of reflection on learning and self-evaluation in professional environments; and analytical processes relevant to practice and Work Integrated Learning. **IMPORTANT:** Refer to the unit's Blackboard site for requirements for suitable placements.

### KKB342 Work Integrated Learning 2

Pre-requisites	KKB341 or KKB343 or BEB701. KKB341 can be enrolled in the same teaching period as KKB342
Anti-requisites	BEB702
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

**External**  
- XCH-1, XCH-2

This unit focuses on transferring skills into a workplace setting via participation, observation and reflection, with emphasis on the relationships between academic and professional knowledge. It is important that you gain real world work experience to link university study with professional practice in your chosen industry. The unit provides experience in applying discipline knowledge in professional practice to strengthen discipline-specific learning and specialisation; an understanding of professional communication protocols, professional conduct and risks within a workplace setting; a critical understanding of the role of reflection on learning and self-evaluation in professional environments; and analytical processes relevant to practice and Work Integrated Learning. **IMPORTANT:** Refer to the unit's Blackboard site for requirements for suitable placements.

### KKB345 Creative Industries Project 1

Pre-requisites	Completion of 72 credit points of study relevant to the specific project
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM <b>External</b> - XCH-1, XCH-2

Undertake a supervised project in a team-oriented environment that involves practical application and critical

reflection. The experience and skills gained will contribute towards your increased self-knowledge and confidence as a practitioner in the Creative Industries. Creative Industries graduates need to practice as professionals in their respective discipline or disciplines. Increasingly, a major part of such practice is instigating, managing, monitoring, and reporting on Creative Industries projects. Normally projects are advertised in the preceding semester through InPlace. This unit may be taken on its own or as the first of two project units related to the same project. **IMPORTANT:** Places in projects are limited. You will need to submit an application addressing the project's selection criteria by the closing date. If your application is successful, you will need to enrol in the CI Project unit.

### KKB346 Creative Industries Project 2

Pre-requisites	KKB345 (can be enrolled in the same teaching period)
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

Undertake a supervised project in a team-oriented environment that involves practical application and critical reflection. The experience and skills gained will contribute towards your increased self-knowledge and confidence as a practitioner in the Creative Industries. Creative Industries graduates need to practice as professionals in their

respective discipline or disciplines. Increasingly, a major part of such practice is instigating, managing, monitoring, and reporting on Creative Industries projects. Normally projects are advertised in the preceding semester through InPlace. This unit can extend upon work undertaken in KKB345 (CI Project 1) or can be used for a second project. **IMPORTANT:** Places in projects are limited. You will need to submit an application addressing the project's selection criteria by the closing date. If your application is successful, you will need to enrol in the CI Project unit.

### KKB350 Creative Industries Study Tour

Pre-requisites	Completion of 72 credit points of study
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is based on immersive learning and will provide opportunities for you to learn about nationally or internationally recognised creative industries practices and organisations and to interact with creative industries professionals beyond Brisbane. It is designed for those who have completed at least one year of full-time study and are ready to expand their horizons by gaining experience of national or international creative industries practices, organisations, and precincts. In the context of a study tour, the unit enables you to identify

methods of developing, producing, distributing and marketing culture and creativity in a national and international context. It also refines your knowledge of contemporary creative industries to enhance your professional capacities and potential for employment in creative economies.

### KKB351 Work Integrated Learning 3

Pre-requisites	KKB342 or BEB702. KKB342 can be enrolled in the same teaching period as KKB351
Anti-requisites	BEB703
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit builds upon foundational knowledge of professional practice and self-directed learning acquired in Work Integrated Learning 1 and 2 by extending the focus on reflection and analysis of how individual practice relates to the collective cultural context of a workplace setting. It is important that you gain real world experience in order to link university study with professional practice. The unit aims to provide you with experience in applying discipline knowledge and skills in the context of professional practice in order to strengthen discipline-specific learning and specialisation; an understanding of professional communication protocols, conduct of conduct and ethical considerations; a critical understanding of the role of reflection on learning and self-

evaluation in professional environments; and research approaches relevant to practice and Work Integrated Learning. **IMPORTANT:** Refer to the unit's Blackboard site for requirements for suitable placements.

### KKB352 Work Integrated Learning 4

Pre-requisites	KKB351. KKB351 can be enrolled in the same teaching period as KKB352
Anti-requisites	BEB704
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit builds upon foundational knowledge of professional practice and self-directed learning acquired in Work Integrated Learning 1, 2 and 3 by extending the focus on reflection and analysis of how individual practice relates to the collective cultural context of a workplace setting. It is important that you gain real world work experience in order to link university study with professional practice. The unit aims to provide you with experience in applying discipline knowledge and skills in the context of professional practice to strengthen discipline-specific learning and specialisation; an understanding of professional communication protocols, conduct of conduct and ethical considerations; a critical understanding of the role of reflection on learning and self-evaluation in professional environments; and research



## Units

approaches relevant to practice and Work Integrated Learning. **IMPORTANT:** Refer to the unit's Blackboard site for requirements for suitable placements.

### KKB380 Creative Enterprise and Entrepreneurship

Pre-requisites	Completion of 72 credit points of study
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit is an intensive “startup bootcamp” experience covering knowledge and tools to transform a creative idea into a viable creative enterprise. You will develop an understanding of enterprise and what constitutes an entrepreneurial mindset, identify opportunities, and develop viable concepts that address a real world need. The unit aims to develop an appreciation of entrepreneurship in the creative economy through authentic activities which build a viable concept for a new creative enterprise. You will have the tools and ability to understand the feasibility of your idea and how you might position this innovative concept for investment or market readiness.

### KKB385 Creative Enterprise Studio 3

Pre-requisites	Completion of 168 credit points and KKB285
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b>

es - SEM-2

During this capstone unit you will demonstrate creative leadership by initiating an industry linked creative project. It brings together the skills and knowledge acquired throughout your course, drawing specifically from KKB185 Creative Enterprise Studio 1 and KKB285 Creative Enterprise Studio 2. The unit provides you with a framework to develop a project proposal that addresses an identified opportunity. You will then initiate your project proposal, launching your career as a creative industries professional.

### KKD101 Creative Futures

Equivalent s	KKB101, KKB180, KYB102
Credit Points	12
Campus	Kelvin Grove and Online
Availabilities	<b>Kelvin Grove</b> - 13TP2, 13TP3 <b>Online</b> - SEM-2

This unit introduces creative industries disciplines, inter-disciplinarity and the careers of creative industries practitioners. It draws upon cutting edge research into the distinctive characteristics of the Creative Industries and the creative workforce to introduce you to study and work as an emerging inter-disciplinary creative practitioner. You will explore creative career possibilities and opportunities while gaining an understanding of your own potential and pathway. This unit will enhance your information literacy and communication skills for

academic and professional contexts.

### KKD102 Creative Industries: Making Connections

Equivalent s	KKB102, KKB185, KYB101, DYB101
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

KKD102 is the second of two foundation-level core units in the BCI and associated double degrees. During this unit, you will learn about concepts and principles of creative entrepreneurship. Creative entrepreneurship is the practice of applying, sharing, or distributing creative work. You will also gain a foundational knowledge of effective creative group work and oral communication, both of which are essential for your studies and for professional practice in the Creative Industries. This unit draws upon cutting edge research into the distinctive characteristics of the creative industries and the creative workforce to introduce you to study and work as an emerging inter-disciplinary creative practitioner. This unit provides an introduction to several applied aspects of creative practice, as a foundation to building a sustainable creative career.

### KKP601 Approaches to Research in Creative Industries

Equivalent s	KKP609, KKP624
Credit Points	12
Campus	Kelvin Grove and Gardens



## Units

	Point
Availabilities	<b>Kelvin Grove</b> - SEM-1 (Block) <b>Gardens Point</b> - SEM-2

This online unit introduces research paradigms, strategies, methods and modes of presentation used in practice-led research; outlines and develops research skills, including academic protocols and advanced information retrieval skills; provides content common across a range of conceptual frameworks and disciplines, and relevant research approaches. There are many forms of enquiry suited to the diverse range of disciplines which make up the Creative Industries. These forms of enquiry typically fall within qualitative research traditions, creative practice as research and applied commercial research. This unit plays a key role in your research degree by introducing you to the most appropriate form of enquiry for your study and providing you with the tools for designing, implementing and evaluating that study within a Creative Industries context.

### KKP603 Research in the Creative Sector

Pre-requisites	KKP601
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides you with an understanding of the theory and practice of research project development through

an integrated view of the concepts, skills, tools and techniques involved in establishing Creative Industries research projects. It builds on the research skills, tools and knowledge of resources acquired in KKP601 Approaches to Research in Creative Industries to develop and present a project proposal, the first major milestone of the Doctor of Creative Industries. The establishment of a methodology for a project in higher degree research often requires realignment of the industry-related processes and expectations. This unit considers a range of essential elements of research projects' development including significance and contributions to knowledge, structures and delivery, processes and procedures, timelines, ethical clearance and risk assessment.

### KKP609 Approaches to Media, Communication and Cultural Research

Co-requisites	IFN001
Equivalent s	KKP601, KKP624
Credit Points	12
Campus	Kelvin Grove and Gardens Point
Availabilities	<b>Kelvin Grove</b> - SEM-1 (Block) <b>Gardens Point</b> - SEM-2

This unit Introduces the process of developing and conducting a research project; aids to develop researcher skills, including academic protocols and advanced information retrieval skills; and

provides information about the key data gathering and analytical processes for research in media, communication and cultural research. In order to produce high quality research it is necessary to gather and analyse data to generate new knowledge that is reliable and valid. This unit plays a key role in your research degree by introducing you to the fundamentals of good research and standards of presentation. The unit helps you develop the skills to manage your own research project.

### KKP624 Approaches to Design Research

Pre-requisites	Admission into IF49 or KK51 or KK59 or KK60
Equivalent s	KKP601, KKP609
Credit Points	12
Campus	Kelvin Grove and Gardens Point
Availabilities	<b>Kelvin Grove</b> - SEM-1 (Block) <b>Gardens Point</b> - SEM-2

This unit provides theoretical and practical grounding in fundamental research methodologies, tools and analyses, allowing you to develop knowledge and skills of diverse research approaches and critical research issues. In order to produce high quality research it is necessary to gather and analyse data to generate new knowledge that is reliable and valid. This unit plays a key role in introducing you to appropriate forms of enquiry for your own research and providing you with the

philosophies, frameworks, methodologies and protocols for planning, implementing and evaluating that research within a Design and Creative Industries context.

### KMB109 Creative Practice in Music

Equivalent s	KMB138, KMB141
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit establishes a community of practice with an emphasis on collaborative music-making that you can draw on to inform your own work. It introduces you to a range of music contexts, concepts and techniques to help you better understand your practice and that of your peers, and to be better positioned and equipped to respond as appropriate. Successful musicians need to form and negotiate their creative practice within a complex professional environment. They need critical, technical, conceptual and communication skills to understand their music in context and how it can be connected to an audience. This unit introduces you to the fundamental concepts and approaches to develop your practical skills in the creation and presentation of new music. It provides an opportunity for you to explore and present creative ideas collaboratively with peers in a professionally engaged environment.

### KMB118 Musicianship 1

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces the foundational aural and analytical skills to develop your understanding of music and sound. These skills will be applied to a range of musical styles, settings and practices. The development of critical listening and analytical skills, combined with representational and demonstrational skills across a broad range of music and sound, is critical to the developing modern musician. The unit will foster a deeper understanding of music and sound to help inform and situate your creative practice. It complements other creative, practical and analytical units in the degree by fostering a deeper understanding of music and sound.

### KMB119 Music Production 1

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces you to the fundamental principles of music and sound production through a mix of theory and practice. You will gain an understanding of sound recording, sound production and live sound reinforcement while developing listening skills essential for music and sound

production. The unit prepares you for later music production and creation units. Understanding how to capture and manipulate sound in live and recorded domains are core skills for anyone involved in making music or in any associated creative practice that involves the use of audio. You will develop a critical and practical understanding of the physical properties of sound, how it is perceived, and how it is recorded and processed to produce a final musical outcome.

### KMB128 Musicianship 2

Pre-requisites	KMB118 or (KMB122 and KMB137)
Equivalent s	KMB139, KMB141
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit builds on the foundational aural and analytical skills introduced in Musicianship 1 to develop understanding of music and sound. These skills will be applied to a range of musical styles, settings and practices. The development of critical listening, analytical skills combined with representational and demonstrational skills across a broad range of music and sound is critical to the developing modern musician. The unit will foster a deeper understanding of music and sound to help inform and situate your creative practice. This unit develops your awareness, critical analytical and synthesis skills across a

broad range of music and sound contexts and concepts. It complements other creative, practical and analytical units by fostering a deeper understanding of music and sound.

### KMB129 Music Production 2

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit builds on Music Production 1. It introduces you to sequencing, sound synthesis, and signal processing as approaches to contemporary music composition and production. You will gain an understanding of the approaches and aesthetics that underpin music production and performance in the digital domain. The unit prepares you for later music creation units.

### KMB215 The Music Industry

Equivalent s	KMB301, KMB056
Credit Points	12
Campus	Kelvin Grove and Online
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>Online</b> - SEM-2

This unit provides a working knowledge of the structural, legal and business aspects of the Australian and global music industries by engaging with real world music industry professionals. With constant technological and industrial advances, staying current with

these changes becomes crucial. As such, the unit allows you to gain an overview of the Music Industry from its beginnings to current issues. It focuses on legal and ethical issues such as copyright, licensing, piracy, and the roles and future directions of all segments in the music industry. Understanding these relevant areas of the music industry is imperative to being able to work confidently within them. This requires actively engaging with a diverse group of real world practitioners across a range of music industry careers.

### KMB217 Music Creation 1

Equivalent s	KMB225
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit provides skills and understanding to create new music across a range of musical practices in performance, production and composition. It introduces a range of musical contexts and concepts to help you to better understand your practice and that of your peers within a complex professional environment, and to be better positioned and equipped to respond appropriately. Successful musicians need to form and negotiate their creative practice within a complex professional environment. They need to develop critical skills to understand their music in context and how it can be

connected to an audience. This unit establishes a platform for your practical skills in the creation and presentation of new music. As the first of four units in creative practice, it provides an opportunity for you to explore and present creative ideas with peers in a professionally engaged environment.

### KMB218 Musicianship 3

Pre-requisites	KMB128
Equivalent s	KMB237, KMB325
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This advanced musicianship unit provides you with critical listening, analysis, representational and demonstrational skills across a broad range of music and sound. It fosters a deeper understanding of music and sound to help inform and situate your creative practice. The unit builds on the foundation aural and analytical skills introduced in Musicianship 1 and 2 which music professionals use to analyse, compose, produce and perform music. These skills will be applied to communicate your understanding of complex musical ideas in a range of musical styles, settings and practices.

### KMB222 Music and Culture

Pre-requisites	Completion of 48 credit points of study
Credit	12



## Units

Points	
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit explores the way that music operates as a form of social, cultural and political communication. Drawing on interdisciplinary approaches, you will investigate and discuss the various contexts in which music circulates and is made meaningful. The unit explores traditional and contemporary music from a range of cultural contexts (including Australian First Peoples music and culture), providing opportunities to listen critically to music, while using key concepts from sociology, musicology, and cultural studies to discuss identity, culture, and the production and consumption of music. This unit is offered in the developmental stage of your course, and lays the groundwork for understanding why music exists in our lives and how it is placed in the cultural spectrum of music making and the perceived effects of globalisation and localism on music.

### KMB223 Music and Media

Pre-requisites	Completion of 48 credit points of study
Equivalent s	KMB252, KMB107
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit explores how music is used as a storytelling device in a range of visual media.

Building upon your awareness as a media consumer and your existing technological skills, you will explore and apply techniques in interdisciplinary contexts. As methods of media content delivery change, creative practitioners are required to enact a range of media production techniques in the communication of ideas. This unit is in the developmental stage of your course and engages you with practical and theoretical approaches, exploring the techniques and contexts of music and visual media in contemporary society.

### KMB227 Music Creation 2

Pre-requisites	KMB217
Equivalent s	KMB235
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Building on Music Creation 1, this unit develops skills and understanding to create new music across a range of musical practices in performance, production and composition. Successful musicians need to form and negotiate their creative practice within a complex professional environment. They need to develop critical skills to understand their music in context and how it can be connected to an audience. As the second of four units in Music Creation, it builds deeper engagement and knowledge used to present creative ideas with peers and

industry professionals.

### KMB228 Musicianship 4

Pre-requisites	KMB218
Equivalent s	KMB239, KMB335
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit assists you to develop an awareness of your own musicianship and where this is situated within the diversity of contemporary practices and contexts. It develops your awareness of analytical and synthesis skills across a broad range of music and sound contexts and concepts. It complements other creative, practical and analytical units by fostering a deeper understanding of music and sound. This advanced musicianship unit provides you with critical listening, analysis, representational and demonstrational skills across a broad range of music and sound. The unit will foster a deeper understanding of music and sound to help inform and situate your creative practice. You will build on these skills towards your final year capstone Music Creation units.

### KMB317 Music Creation 3

Pre-requisites	KMB227
Equivalent s	KMB336, KMB325
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1



This unit aids you to refine your creative strengths in a focused area of practice connecting these strengths with the development of a professional and artistic identity. It enables you to identify an individual specialisation and demonstrate your musical skills through the creation of new works. You will situate your practice within a well-defined artistic and professional field and realise musical outcomes through engagement in authentic learning and assessment activities. Professional musicians must develop a critical understanding of the relationship between their music making, its artistic contexts and audiences. This unit draws on the practical skills gained in the previous two Music Creation units, advancing on the development of more focused areas of musical expertise and specialisation. As the third of four units, the unit provides you with an opportunity to envision and realise a deep engagement with specific areas of creative practice.

#### KMB327 Music Creation 4

Pre-requisites	KMB317
Equivalent s	KMB337, KMB335
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit consolidates your music creative skills in an individually defined area of practice within the broader field of music professions. It

develops and refines works and performances in an authentic and professional context and fosters greater entrepreneurial awareness through activation of professional networks and consideration of a sustainable career. This is the capstone unit for the BFA (Music) degree. It draws on your experience from all previous Music Creation units. You will lead and participate in individual or collaborative projects to produce the most fully realised portfolio of work in your degree. The portfolio will demonstrate that you have developed a sophisticated and professional voice over the years of your study. It will also demonstrate a high level of professional activity and engagement. It will be launched to a public audience and demonstrate the highest professional values and an awareness of global potentials in your area of specialisation.

#### KNB125 Animation History and Context

Equivalent s	KNB113, KNB122, KNB111, KIB110, KIB220, KVB106
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This introductory unit addresses core animation processes and theories and the key historical aspects of the field. Animation intersects a wide range of creative disciplines resulting in a vast number of diverse outcomes and methods of practice.

However, animation in its truest form, no matter what the medium or purpose of its outcome, is the illusion of movement facilitated by the manipulation visual content within a frame. This knowledge will enable you to progress into units such as KNB135 Animation Aesthetics and KNB215 Animation Performance.

#### KNB126 Motion Design

Equivalent s	KNB123, KIB105
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces aspects of visual narratives and explores the craft of expressing them in a sequential temporal format. The richly diverse field of motion design impacts a wide range of creative areas with fields such as graphic design, animation, visual effects, sequential art, film and games all offering opportunities in motion design. Motion Design has evolved to more than 'graphics presented in motion'. With the advent of technology, applications and methods for creating them rapidly expanded into a new form of visual communication, visual effects, infographics and visual artworks. The unit provides an understanding of motion design processes, theories and historical developments. It enables you to effectively design and communicate ideas using graphical and motion-based elements constructed using software and

technologies common to the field of motion design.

### KNB127 CGI Foundations

Equivalent s	KNB124, KIB111, KIB203
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces the foundations of 3D computer graphics theory and production methods. It provides a solid theoretical understanding of 3D space; the technical skills to create 3D computer-generated imagery and the ability to resolve issues that arise during 3D production. In the evolving fields of animation, games and graphical visualisation, you will require new literacies and skills to participate fully in the 3D computer graphics production process.

### KNB135 Animation Aesthetics

Equivalent s	KNB211
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit introduces basic to medium level techniques of 3D character animation by investigating the fundamental principles, concepts and approaches to body mechanics and character performance. The focus is on developing an understanding of methodology, planning and execution in order to achieve a sense of

physicality and believability. When creating animated content for production, it is important to develop a solid methodology that allows an animator to work quickly and creatively while maintaining an acceptable level of quality. Being able to take direction and creatively respond to a brief while finding the best way to communicate an idea to an audience is a core skill that takes time to develop. The core communication skills of illustration, motion, blocking and layout follow industry standards in pre-production and are required for the generation and presentation of ideas, as well as the exploration of form and character.

### KNB136 Visual Storytelling: Production Design

Equivalent s	KNB112, KVB105
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit introduces the drawing skills and processes employed in the visual development phase for animated and live-action films and games. It addresses covering sets, props and character model sheets for production ready designs. There are many visual conventions to consider in the conceptual development and presentation of a visual story for screen and games. A range of capabilities and technical skills (observation, description, meaning-making, recording,

synthesis, interpretation and sequential representation in graphic form) are required. This unit provides a historic context for the drawing techniques and processes for concept development and production. As such, the unit is your link to pre-production and production units, such as KNB216 Visual Storytelling: Cinematic Pre-Visualisation and KNB226 Visual Storytelling: Pre-Production, as well as your final year capstone project.

### KNB137 Digital Worlds

Pre-requisites	KNB127 or KNB124
Equivalent s	KNB212, KIB325, KIB215
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides a strong foundation in the practices and concepts associated the creation of CGI assets for use within real-time graphics production. Applications of real-time 3D graphics now extend beyond the common place use in games into fields such as virtual production, interactive cinema, virtual reality and augmented reality. These applications offer users interactive and immersive experiences beyond merely watching a static 3D graphic. The creation of these experiences requires a firm grounding in the practices, concepts and skills associated with real-time production and

## Units

asset creation for use in a real-time 3D engine. This unit allows you to take advantage of 3D skills and knowledge developed during KNB127 CGI Fundamentals, while laying the critical foundational knowledge and skills needed for more advanced practices undertaken in KNB217. It is a starting point to incorporating real-time technologies into your capstone projects.

### KNB215 Animation Performance

Pre-requisites	KNB135 or KNB211
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit advances knowledge on animation performance, including your ability to create complex animations by applying relevant processes and theories. To bring a character to life requires an animator to create more than a sound illusion of movement, you have to communicate and engage a viewer through an animated performance. This unit builds upon the fundamental content from KNB135 Animation Aesthetics refining and further expanding on simple maniacal movements to focus on expressive communication and characterisation for storytelling.

### KNB216 Visual Storytelling: Cinematic Pre-Visualisation

Pre-requisites	KNB136 or KNB112
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Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces the creative and technical processes involved in design-to-story previsualisation. It expands upon drawing skills learned in KNB136 Visual Storytelling: Production Design and introduces the devices and techniques employed in cinematic narratives through storyboarding and animatics. Along with studying screen conventions, drawing is an important technique employed in the design and sequence previsualisation in visual storytelling regardless of the medium. This unit provides a historic context, and core skills, concepts and processes for the development and production design as a way to previsualise and then articulate the look and feel of a story. You will practise and refine your drawing and storytelling skills while working on script-based sequences that employ screen language techniques in order to create meaning, emotion and deliver an engaging story. The knowledge gained in this practice-based unit is relevant to animation, live action and games.

### KNB217 Digital Creatures

Pre-requisites	KNB137 or KNB212
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b>

- XCH-1, XCH-2
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This unit focuses on the creation of 3D digital creatures. It builds upon the production techniques introduced in KNB127 CGI Foundations and KNB137 Digital Worlds and enables you to develop, create and animate 3D creature assets ready to be inserted into a digital production pipeline. Creature production pipeline is an integral part of any animation studio and allows animators and technical directors to collaborate on the development of production assets. On completion of the unit, you will have an understanding of the theoretical and practical foundations of 3D digital creature creation and will be able to apply the relevant techniques introduced for the development of digital characters and creatures.

### KNB225 Advanced Animation Performance

Pre-requisites	KNB215 or KNB211
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This practice-based unit advances knowledge on animation and acting techniques in a narrative context while working on a project in a studio-like production mode. It addresses body language, expression and timing for effective communication in sequenced shots, as actors and directors at the same time. You will be

the animation directors of your sequences - designing complex performances that include a range of emotions and creatures. Regardless of the medium or platform of delivery, character performance is at the core of storytelling. In order for the audience to empathise and engage with your animated character, it is important to understand the principles and techniques behind the craft of convincing and expressive acting, based on stylised animated movement.

**KNB226 Visual Storytelling: Animation Pre-Production**

Pre-requisites	KNB216 or KNB122
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit expands on story development, design and pre-visualisation techniques for visual storytelling productions. As such, it consolidates and expands your concept development, production design and pre-production knowledge and skills acquired in KNB136 Visual Story: Production Design and KNB216 Visual Story: Cinematic Pre-Visualisation. The unit focuses on developing designs and storyboarding based on original concepts and stories to a production-ready level for animation, live action and games. As part of this unit you will develop, pitch, direct and project-manage your own short film to an animatic form ready for production. The

ability to apply drawing to such a task requires various capabilities and technical skills: observation, description, meaning-making, recording, synthesis, interpretation and sequential representation in graphic form. This unit will develop the drawing and painting practice and advanced direction skills required of an emergent animation professional.

**KNB227 CGI Technologies**

Pre-requisites	KNB137 or KNB212
Equivalent s	KNB222, KIB226, KIB316
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit develops your understanding of modern real-time production processes within a team-based project. It also allows you to explore your selected area of CGI production and advance your knowledge of practice in preparation for undertaking the final year capstone projects. Within production CGI a vast number of roles and process come together to form rich virtual worlds. Each of these roles within CGI production could be considered a field of practice in its own right and it is common for CG arts to specialise into a couple of fields. This unit offers you the opportunity to start to define your personal practice within the field of CGI by building upon the generalist knowledge

acquired through the previous CGI units. It prepares you for your 3rd year units by allowing you to familiarise yourself with team-based CGI production in a studio environment while allowing you to test your selected role as a CG artist.

**KNB310 Advanced Animation Production 1**

Pre-requisites	24cp from (KNB225 or KNB221), (KNB226 or KNB122) and (KNB227 or KNB222)
Equivalent s	KNB311, KIB320
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit consolidates your studio working practices while supporting you to develop advanced skills and concepts in computer animation production including but not limited to areas such as character development, cinematic narrative, storytelling and directing, character rigging, compositing, technical production, and 3D asset creation. This unit will bring a depth and breadth to your practice and provide you with the production management and direction skills required of an emergent animation professional. The experiences within this unit adhere directly into the final semester unit, Advanced Animation Production 2.



### KNB320 Advanced Animation Production 2

Pre-requisites	KNB310
Equivalent s	KNB321, KIB330
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

To prepare for life outside of the academic institution, it is important to be able to showcase your work with knowledge of the requirements of your field. This unit builds on previous studies of animation techniques and production processes to complete a final advanced project and to create a professional showreel and portfolio. It continues to develop animation production skills, concentrating on final output and post-production for exhibition.

### KPB101 Introduction to Screen Production

Equivalent s	KPB117
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces the principles and technologies of video production for both cinema and television such as the roles and responsibilities of production teams, production management, design and practice. Lectures by experts in the areas of producing, directing, and cinematography, editing and sound will inform

your practice. As the contemporary mediascape simultaneously converges and diversifies technologically and in market applications, there is a growing demand for new content with correlating skill sets in media production. Drawing on production processes and methodologies established in film, video and television, this unit will introduce you to content production both generated and outputted through new media technologies. Skills, knowledge and approaches will be drawn from the fields of scriptwriting, pre-production, production management, direction, producing, camera, sound, editing and post-production.

### KPB113 Screen Text Analysis

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces different Hollywood, independent and experimental film and television text forms, the industry processes that produce such texts and the audiences that consume them. It addresses key textual analysis techniques to examine screen texts and approaches to analysing industry and audience contexts. Film and television production is an art-form and a business; and screen practitioners, critics and educators value media literacy based on critical and informed approaches to textual analysis.

Films and television programs produced within varying industry contexts and for different audiences, construct values, meanings and messages. Therefore, the ability to analyse, interpret, and critique these texts is an important capability for those interested in screen content and production.

### KPB116 Introduction to Screenwriting

Equivalent s	KWB102
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces various principles, elements and stages that make up the scriptwriting process for narrative production. Skills needed to generate and select ideas, write synopses, and draft scripts will be developed through studying and applying the key creative components of writing for the screen. The unit addresses principles of storytelling, industry standards and practical skills involved in developing projects for narrative productions within film, television and other media. The focus is on how to develop ideas, create engaging characters, and construct scenes for visual mediums. Writing scripts for a range of screen media formats is a learned craft and requires discipline, perseverance, and an understanding of industry practice. Possessing this key

knowledge provides capabilities to develop concepts through to script stage.

### KPB117 Screen Crafts: Non-Fiction

Equivalent s	KPB101, KPB115
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit addresses the knowledge and skills required for non-fiction multi-platform content production while engaging with high-end production and post-production technologies. Its content is drawn from the fields of script writing, pre-production, production management, direction, camera, sound and editing. As much of our information is delivered via the electronic media, it is vital that you be trained in the skills and techniques involved in non-fiction screen production (informational programming, magazine-style segments, news stories, documentaries, etc.). In this unit, you learn screen language and production practices, roles and responsibilities of production teams, production management, design and practice. Lecture delivery by experts in the major production areas of producing, directing, cinematography, editing and sound informs this practice.

### KPB120 Contemporary Screen Histories

Equivalent s	KPB109, KIB108, KNB121
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Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit engages with contemporary screen productions and the ways in which they look and sound. It aids you to develop an appreciation of the artistic and production practices of key individuals and studios. The styles of recent screen productions (how they look and sound) are the result of past and contemporary creative innovations associated with key individuals, production houses, and studios over an extended period of time. This unit considers the styles of screen productions such as movies, television shows, and video games as being the result of evolving production practices, technological developments, individual and collaborative creative endeavours, and audience expectations.

### KPB121 Screen Business

Equivalent s	KPB110
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides an introduction to the producing, writing and theoretical aspects of the movie, TV and new media businesses. The production and distribution of screen-based audiovisual material is a significant global

industry. In order to properly understand the cultural impact of this content it is important to understand how it functions as an industry. This is important both for those who intend to work in these businesses, and for those who are interested in understanding how cultural and creative business works. Apart from introducing media business, the unit provides an understanding of the importance of researching the expectations and desires of audiences in order to create commercial products designed to entertain, inform or educate.

### KPB122 Screen Crafts: Narratives

Pre-requisites	KPB101 or KPB117
Equivalent s	KPB105
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit develops your creative, technical and organisational abilities in the areas of screen storytelling and communication. Screen content specialisation requires you to develop an effective, industry-related range of skills. It builds on and advances basic understandings, skills and principles developed in KPB101 or KPB117. An introduction to the skills of sound and lighting complements the earlier core skills of camera, editing, directing and producing and the unit concentrates on the

## Units

basics of telling a coherent fictional narrative story for the screen.

### KPB208 Screen Genres

Equivalent s	KPB112
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit aids you to appreciate contemporary screen genres and to develop genre-related analytical skills. It also investigates the connections between genre theory and contemporary practice-based genre approaches. Genre is central to understanding the cultural and industrial contexts and visual forms of narrative screen productions. Its productions appeal to local and international audiences. Since every screen production is a risk, both financial and creative, contemporary production organisations and creators attempt to minimise such risk in their future ventures through screen genres. It is indeed crucial for you (as well as practitioners) to appreciate genre conventions, inventions and innovations, and those genre elements that may contribute to the commercial, critical, or creative success of narrative screen productions.

### KPB215 Advanced Screenwriting

Pre-requisites	KPB116 or KWB102
Equivalent	KPB207

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Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit aids you to better understand screenwriting processes and structural concepts by offering a framework and strategies for the development of a short drama script. Screenwriting occurs within specific socioeconomic frameworks and is supported by specific industry practices. Working within these models, you will become aware of the scope and limitation of scriptwriting for screen projects. In this unit you will have the opportunity to build and extend basic screenwriting techniques and explore topics such as the role of screenwriters in the industry.

### KPB216 Screen Content Production Management

Pre-requisites	KPB121 or KPB110
Equivalent s	KPB210, KPB104
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This unit introduces film, television and screen business theory and practice, providing foundations for small and larger scale production management. It considers the role of the production manager with a particular focus on the phases of pre-production and

production. People with an interest in producing film, television and multimedia productions need to develop knowledges and skills that form the basis of an effective industry-related repertoire in relation to working in a range of media businesses. This unit examines how the production manager supports the producer in screen production projects ensuring that the needs of the production have been addressed via a preliminary schedule and draft budget, within all legal and insurance constraints. The unit addresses the importance of working within the resources available in order to achieve the necessary production values on screen in a highly competitive market place.

### KPB217 Screen Crafts: Experiments

Pre-requisites	KPB122 or KPB105
Equivalent s	KPB201
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This unit examines various forms of experimentation in relation to creative works, challenging you to think beyond mainstream cinema. Filmmakers must push the aesthetic and narrative boundaries of cinema in order to find their own distinctive voice and style. In this unit, you will have the chance to do so, testing your imaginative limits and creative abilities through

vision and sound. Evolution in all fields of screen production results from creativity. Successful practitioners of screen content require the opportunity to develop their creative potential through experimentation. Building on prior knowledge acquired in earlier units, you will be encouraged to become wilfully nonconformist in approach, drawing on a wide range of traditions from within the genre of Experimental or Avant-Garde filmmaking.

### KPB220 Factual Screens

Equivalent s	KPB205
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces the traditions of documentary film and television production, stylistic practices in documentary and documentary scripts, and methodologies for producing ethnographic, indigenous and cross cultural documentaries. Understanding the role documentary performs in our media age provides a crucial literacy to this film forms. You will be exposed to the history and theory behind documentary, enabling you to conceptualise and plan your own documentary productions and critique the place of them alongside factual and fictional forms of filmmaking in the contemporary media landscape. The documentary filmmaking tradition has

involved many crucial aesthetic, technical and ethical concerns throughout history. For film, screen and animation students, this unit aids you to integrate its contents into documentary scripts and productions, while for other disciplines' students, the unit provides the theoretical underpinnings and processes of documentary production.

### KPB221 Screen Project Development

Pre-requisites	Completion of 72 credit points of Film and Screen units (KP% units).
Equivalent s	KPB302
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit equips you as a developing screen content creator with the concepts and skills for project development and pre-production. It addresses the roles played by producers, directors, writers, script editors and other craft practitioners in the creative process. Those who fail to plan, plan to fail. This tried and tested adage applies to every crew member and department involved in screen productions. Hard-to-come-by financing, tight budgets and schedules, and the expectation for high quality, innovative content mean that the planning phase of project development and pre-production is essential. Indeed, it is important for you who wish to work in

contemporary screen industries to understand the nature and importance of these critical phases.

### KPB222 Screen Crafts: Multi-Camera and Single-Camera Production

Pre-requisites	KPB122 or KPB105
Equivalent s	KPB213, KPB214
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit addresses creative, technical and organisational abilities in the areas of screen story-telling and communication. It will also provide you with an understanding of the workings of multi-camera television studio production and how this mode of production differs from single-camera modes. You will develop practical production skills as a crew member on both modes of production which will form the basis of an effective industry-related repertoire. This unit builds on skills developed in previous units to make productions such as studio-based multi-camera productions, commercials, community service announcements, short form narratives and client-based productions.

### KPB315 Global Screen Studies

Pre-requisites	KPB113
Equivalent s	KPB206
Credit Points	12
Campus	Kelvin Grove, EXCHANGE



## Units

	and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This course critically examines global cinema and the films of a selection of non-Hollywood cinemas in terms of historical, aesthetic, production and cultural contexts. National movies and television programs are shaped by unique contexts and non-Hollywood cinemas are responding to the challenges in the contemporary screenscape in complex ways. This course addresses critical writing, research and analytical skills required to evaluate and problematise the history, aesthetics, production and cultural contexts of key global cinemas and how transnational forces shape 'local' screen content. 'Global cinema' has been responsible for film language and form innovations in contrast to the conventions of classical Hollywood cinema that have shaped global film making practice. However, as systems of production, distribution and consumption become globalised, traditional understandings of national production are being reconstituted.

### KPB325 Screen Issues

Pre-requisites	KNB121 or KPB120 or KPB109
Equivalent s	KNB313
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b>

	- XCH-1, XCH-2
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This unit develops historical, critical and analytical skills in reading and writing about issues in the screen industries and contemporary culture. It fosters both critical research skills and practical, professional development skills and approaches for emerging practitioners. It looks at contemporary screen production contexts and consumption practices, and how these issues relate to the industries. The unit considers the effect of screen forms on the experience of visual culture and investigates the relationship between evolving digital technologies and existing media. Understanding the contemporary contexts for screen production is essential for screen professionals. This unit brings you up-to-date with the issues and topics most relevant for emerging practitioners who would like to make the most of the opportunities, be aware of risks and become dynamic and adaptive in the process.

### KRB111 Stage Management 1

Equivalent s	KSB111
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces basic management concepts and develops fundamental management skills required in live performance and theatre production. It offers an insight on the coordination of a live

theatre production including theatre layout and terminology, role of the stage manager, duties and responsibilities from pre-rehearsal to close of season, communication procedures and rehearsal room procedures.

### KRB112 Stage Management 2

Pre-requisites	KRB111
Equivalent s	KRB211, KSB211
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit builds upon Stage Management 1 by extending and broadening your understanding of the role of the stage manager and how it is applied in different performance contexts (dance, contemporary music, opera, orchestra, musical theatre, events). It provides an introduction into management issues in areas of stage mechanics, flying, props and wardrobe, and prepares you to undertake performance crew roles in these departments. This unit prepares you to undertake advanced responsibilities in management roles on Creative Industries productions.

### KRB115 Production Practice 1: Fundamentals of Performance Production

Equivalent s	KRB101
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

The unit provides a foundation in the production arts in a theatrical environment enabling you to apply this knowledge in a practical context. It is the first in a suite of six units that provide the tools necessary for an ongoing career in the production arts. In it, and through a combination of theory and practice, you are introduced to lighting, sound and vision systems, stage mechanics, workplace health and safety, and production communication processes - laying the foundations for future engagement in the specialised fields of live theatre production.

**KRB116 Production Practice 2: Approaches to Performance Production Technologies**

Pre-requisites	KRB115
Equivalent s	KRB104
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This unit prepares you to undertake operational and introductory managerial roles on Creative Industries productions. It is a continued exploration of the production arts and is the second in a suite of six units that provide the tools necessary for an ongoing career in this field. Through a combination of theory and practice, you continue your study of lighting, sound and vision systems, stage mechanics, workplace health and safety, and production communication

processes. This unit is taught through a combination of theoretical and practical approaches, further advancing your engagement in the specialised fields of live theatre production. This unit aims to broaden and deepen the skills and knowledge attained in the introductory Production Practice units.

**KRB120 Scenography 1: Introducing Performance Design**

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces students to the foundational concepts of scenography through a study of historical shifts in live performance design. 'Scenography' is the art of creating performance environments incorporating elements such as set, sound, light, new media and costume within space; driven by the performance text; and shaped by the performer and director for a live audience. This unit addresses the development of scenography for theatre, dance and opera (particularly within a broader historical discussion); and how these developments continue to influence contemporary performance design. Through this investigation, the unit covers the development of a broad range of techniques, technology and terminology used in contemporary design

practice. As the first unit in the Scenography minor, this foundation unit serves as preparation for more detailed and practical investigation in subsequent units.

**KRB121 Scenography 2: Creating Worlds for Theatre**

Pre-requisites	KRB120
Equivalent s	KSB215
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces you to the practical concepts and processes associated with the creation of scenography – the world of the theatrical performance. It explores the practical application of the core elements of scenography including set, costume, light, sound and vision, while considering other key performance elements including space, time, narrative, character, performers and audience. The unit facilitates practical application and experience in solving the challenges faced by the scenographer. This includes the demands of crafting and communicating a theatre design, using relevant industry software to model set designs, and the ongoing challenge of documenting the creative process and product. It combines practical investigations with in-depth lectures on the application of design, including the role of the

contemporary production designers, the design process and techniques.

### KRB217 Production Practice 3: Design in Performance Production

Pre-requisites	(KRB112 or KRB211) and (KRB116 or KRB104)
Equivalent s	KSB217
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit aids you to adopt an introductory holistic approach to your own practice by combining the technical, managerial and creative aspects of the production arts. It furthers the concepts and skills presented in the production practice foundation units and expands your knowledge of the production arts in a theatrical environment. As such, the unit consolidates managerial and technical skills and encourages you to start exploring your own independent creative practice. The unit prompts you to position yourself as a collaborative creative practitioner within the realisation of theatre and live performance. In doing so, you develop skills in the specialised fields within the production arts while building on the foundations of independent creative practice. Above all, the unit challenges you to think beyond your established production processes and explore your own contribution to the creative process.

### KRB218 Production Practice 4: Management in Performance Production

Pre-requisites	KRB217
Equivalent s	KSB218
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides ongoing support for you to continue to develop your technical, managerial and creative practice. It consolidates the practical and theoretical knowledge of the previous units and contextualises this information in a professional environment. This unit provides a framework for your transition into future professional industry placements.

### KRB220 Scenography 3: Into the 21st Century

Pre-requisites	KRB120
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit challenges you to interrogate the evolution of scenography through the 20th Century into the 21st Century within the changing fields of theatre and performance. It prompts you to examine the broader implications of certain economic, historical and cultural shifts and their influence on conventional scenographic practice and theory. Through an

investigation of key shifts, significant developments, and leading practitioners of this time, the notion of scenography and its role in theatre and performance is questioned. You will be exposed to a broad range of scenographic and performance movements, practitioners and styles which will shape your future experimentation in shaping performance products.

### KRB221 Scenography 4: Intermedial Theatre

Pre-requisites	KRB121 and KRB220
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces scenographic techniques and approaches for intermedial theatre such as conceptualisation through to realisation, while offering an appreciation of the overall production process. It explores the practical realisation of the principles of intermedial theatre - the use of space and technology; the design and composition of visual and aural environments; the demands and effect of the digitally mediated upon the narrative, production, performers and audience. The unit is structured to incorporate a degree of practical application and experience in solving the challenges faced by the designer working in theatre, including 'hands-on' experience of the processes and demands



of realising an intermedial performance. As the final unit in the Scenography minor, this studio-based unit comprises predominantly ongoing practical work that you complete under the close guidance and instruction of QUT academic staff and external industry professionals.

### KRB307 Production Practice 5: Professional Practice in Performance Production

Pre-requisites	KRB218
Equivalent s	KRB305
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

This unit exposes you to the demands of professional practice within a learning environment by providing a framework for undertaking senior creative, technical or management positions. It addresses the rigours of public performance and production processes by providing practical opportunities. This final year unit challenges you to apply the theoretical and practical knowledge gained in earlier units. You are required to work autonomously to meet production requirements to a professional standard, facilitating an effective transition into your chosen specialisation.

### KRB308 Production Practice 6: The Future of Performance Production

Pre-requisites	KRB307 or KRB305
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Equivalent s	KRB306
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This unit integrates all previous study by aiding you to demonstrate an advanced level of professional practice in senior creative, technical or management positions on a Creative Industries production. It exposes you to the rigours of public performance and production processes. Indeed, you will work autonomously and lead the production process to a professional standard, facilitating an effective transition into the production arts industry. This is the final production practice unit and you are expected to demonstrate a highly developed level of specialist practice in anticipation of your entry into the professional sphere.

### KSB103 Acting Skills 1: Introducing Vocal and Physical Dynamics

Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

This introductory unit addresses the fundamentals of dynamic movement and voice production for actors, focusing on instrumental skills and ensemble development. Highly developed technical proficiency in vocal and physical expressiveness is a fundamental requirement for professional actors. This unit

introduces core techniques and concepts associated with movement and voice production for actors working in screen and stage contexts. The continuing development of these skills will underlie every acting exercise or project undertaken through the three years of your course and beyond.

### KSB104 Acting Skills 2: Embodying and Voicing Text and Story

Pre-requisites	KSB103
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This unit advances on dynamic movement and voice production for actors, focusing on instrumental skills and ensemble development. Highly developed technical proficiency in vocal and physical expressiveness is a fundamental requirement for professional actors. This unit introduces core techniques and concepts associated with movement and voice production for actors working in screen and stage contexts. The continuing development of these skills will underlie every acting exercise or project undertaken through the three years of your course and beyond.

### KSB116 Acting Practice 1: The Actor and their Texts

Equivalent s	KSB107
Credit Points	12



## Units

Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit addresses the fundamentals of acting practice applicable to both screen and stage, focusing on the creative interaction of imagination, instrumental skills, responsiveness, text analysis and ensemble development. It develops core skills and understanding in authentic, realistic acting for screen and stage in a collaborative context informed by professional protocols. The continuing exploration and application of these skills will underlie every acting exercise or project that you undertake through the three years of your course and beyond.

### **KSB119 Acting Studies 1: Realism in Film and Theatre and the Stanislavsky Heritage**

Equivalent s	KSB107
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces the history, terminologies and current discourse relating to the Stanislavsky traditions of actor-training and how it is applied to film and theatre-making. This is essential study for practitioners involved with acting realism, including actors, drama teachers, script-writers, film and theatre directors and producers, or indeed anyone interested in deepening their understanding of the art of acting. Contemporary actors, performers, directors and

drama teachers need to be curious and outward-looking in the approaches to their crafts and to be familiar with and draw inspiration from the multiple discourses associated with acting in the genre of realism.

### **KSB126 Acting Practice 2: The Actor and the Performance Space**

Pre-requisites	KSB116
Equivalent s	KSB108
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit develops skills and understanding of acting, through practical application across different dramaturgical contexts and staging languages. Indeed, professional actors need to be able to apply their acting skills to a variety of different physical settings, and be able to communicate character and relationship within different cultural and dramaturgical contexts, including those informed by Aboriginal and Torres Strait Islander perspectives. This unit introduces the core techniques and concepts to be able to integrate understanding of text, use of space and objects, and characterised relationships to meet the acting demands posed by different writers and their scripts. It builds on KSB116 Acting Practice 1: The Actor and their Texts, and aids you to perform in a range of roles and characters on screen

and stage projects.

### **KSB129 Acting Studies 2: Innovations in Acting Methodologies for Screen and Stage**

Equivalent s	KSB108
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit explores the notion and value of cultural and artistic difference, its language and vocabularies, its concepts and perspectives, and its potential application to your creative practice. Outside the Stanislavsky-based acting tradition sits a range of acting theorists and training methodologies that have been enormously influential in the development of a number of contemporary actors, directors and other creative practitioners. They have benefited from exposure to those acting traditions. This unit applies developing cognitive skills to understanding such alternative acting theory, including those informed by different cultural contexts including Aboriginal and Torres Strait Islander perspectives, with application to contemporary theatre and film-making.

### **KSB210 Screen Acting 1: The Actor and the Camera**

Pre-requisites	KSB126 or KSB108
Equivalent s	KSB223
Credit Points	12
Campus	Kelvin Grove

## Units

Availability	<b>Kelvin Grove</b> - SEM-1
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This unit introduces the core performing skills associated with contemporary acting for camera in a simplified classroom, television studio or location setting. It establishes the basis for the kind of raw, authentic, emotionally honest, technically sophisticated and compelling screen performances that are becoming the hallmark of the QUT-trained actor. The screen-based industries provide actors with the opportunity to reach wide audiences and to potentially access sustainable careers, nationally and internationally. Acting for camera requires the application of specific acting techniques and a familiarity with the production technologies and their associated personnel and work-flow.

### KSB220 Screen Acting 2: Studio Collaborations

Pre-requisites	KSB210 or KSB223
Equivalent	KSB224
Credit Points	12
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - SEM-2

This unit gives you the opportunity to practice your screen acting skills in an intensive studio environment designed to replicate industry practice. It builds on Screen Acting 1: The Actor and the Camera, and focuses on developing absorbing screen performances, while managing the associated industry-based

technical protocols. You will learn how to work quickly and effectively with a cross-disciplinary team of television artists and technicians. Screen actors need to be able to perform in collaboration with the film production team without being distracted by the often complicated demands of the technology and its associated workflows. This unit provides the skills to create truthful and believable performances in a technologically complex studio environment involving cross-disciplinary collaboration including direction, cinematography, lighting and sound capture.

### KSB236 Acting Practice 3: The Collaborative Storyteller

Pre-requisites	KSB126 or KSB108
Equivalent	KSB229
Credit Points	12
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - SEM-1

This unit introduces practical opportunities to apply your acting skills to different narrative contexts. This unit seeks to extend and integrate developing knowledge, understanding and skills in acting, within the cultural and stylistic demands of the text.

### KSB239 Acting Studies 3: The Actor and the Screen

Pre-requisites	KSB119 or KSB107
Equivalent	KSB229
Credit Points	12

Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - SEM-1

This unit surveys the literature around screen acting and relates it to a study of film and television acting, actors and performance styles, genres, periods and cultural settings. It extends knowledge and understanding of screen-based acting through a study of associated discourse and by analysis of a range of iconic screen acting exemplars. Actors and directors seeking careers in film, television and new media need a thorough grounding in the discourses of their field and the capacity to analyse and evaluate screen performances. This unit examines various approaches to understanding screen acting and focuses on a study of selected iconic film performances across a number of key genres and historical periods, including Aboriginal and Torres Strait Island performers.

### KSB246 Acting Practice 4: The Actor and the Audience

Pre-requisites	KSB236 or KSB229
Equivalent	KSB230
Credit Points	12
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - SEM-2

This unit develops your skills in performing to live audiences. It involves participation across a number of challenging projects, providing dramaturgical, staging and cultural contexts while engaging with live

audiences, in order to bring your skills to industry-readiness by the completion of your course. This unit integrates developing acting skills, voice, movement and characterisation by applying them to the demands associated with performing roles from scripts of different genres. To be employable, professional actors must be able to apply their acting skills to a diversity of characters, performance settings and audiences. This unit provides you with continuing opportunities to extend your acting range and your skills in responding to live audiences by taking on roles by different writers in theatre, studio, or other settings.

**KSB249 Acting Studies 4: Acting in the Digital Space**

Pre-requisites	KSB129 or KSB108
Equivalent s	KSB230
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This unit integrates existing and emerging digital production and distribution technologies with the formulation of future-focused performance projects. In it, you combine an investigation into accessible digital communication, production and distribution technologies relating to screen acting, with the formulation of collaborative and entrepreneurial creative projects designed to exploit the opportunities these technologies offer to emerging

creative practitioners (e.g. actors, script writers, directors, producers, composers, cinematographers) seeking to establish their careers. The high pace of technological change continues to impact on all aspects of the performance-based industries. The unit covers sophisticated technologies transforming production and distribution processes with a view to identifying the threats and opportunities they offer actors, directors, writers, producers and associated artists seeking career pathways into the industry.

**KSB310 Screen Acting 3: Location and the Actor**

Pre-requisites	KSB220 or KSB224
Equivalent s	KSB301
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

This unit introduces the demands, protocols, challenges and opportunities offered by filming on location. Filming on location provides film-makers with access to interesting and authentic settings that bestow powerful visual and symbolic values. However, for the actor there are a range of demands and challenges not associated with performing in the highly controlled environment of a film or television studio. Therefore, it is essential that the screen actor learns how to manage these challenges given that professional film-making is

often shot on location. This unit is designed to extend your screen acting skills to ensure that you are industry-ready on completion of your QUT Acting course.

**KSB320 Screen Acting 4: The Actor as Product**

Pre-requisites	KSB310
Equivalent s	KSB302
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This capstone unit integrates all skills and tests them in a fully supported industry benchmarked experience, that culminates with a high-quality film scene screened to industry representatives at the Acting showcase event. It comprises a fully supported industry equivalent film production experience, making short films as promotional tapes for casting directors, actors' agents and the like, to be screened and used as promotional artefacts by QUT. The unit provides the skills, aptitude and artefacts to promote acting skills to agents, casting directors and producers by creating a range of both directed and autonomously produced film-based scenes that demonstrate technical sophistication, artistic worth and industry readiness. By the completion of this unit you will be fully equipped with the knowledge, techniques, skills and understanding to establish a 'digital presence' and to complement your networking



and auditioning skills.

### KTB110 Plays that Changed the World

Equivalent s	KTB101
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit investigates theatre and performance from Greek Theatre to Postmodernism and embraces socio-cultural/political/historical perspectives. It provides foundations in academic writing skills as required in the discipline of drama. It addresses the major movements in the evolution of performance in theatrical history while encouraging critical enquiry, debate and research through study and performance of seminal plays that shaped theatre. An understanding of the evolution of the theatrical form and its relationship with contemporary contexts is vital to a sound knowledge of performance. The facility to identify inherited theatre tradition, the key junctures in the progress of content and form, and the advancement of theatre as an art-form, is foundational to the contemporary practitioner.

### KTB111 Acting in Realism: The Authentic Actor

Equivalent s	KTB103, KSB116
Credit Points	12
Campus	External

Availabilities	<b>External</b> - XCH-2
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This unit surveys the theoretical and practical components of Stanislavski-based realism which strives towards authenticity. It focuses on the critical and creative theories and techniques needed to cultivate authenticity, imagination and emotion-awareness. Authenticity is the foundation for building and portraying characters for the performing artist. A combination of exercises and scene study will deepen the understanding and playing of action in the realistic mode. Stanislavski-based realism is arguably the most dominant style of acting in twentieth and twenty-first century practice. As such, it needs to be understood in its own terms. Therefore, in this unit you will be encouraged to learn to appreciate the basic construct of the actor craft, your relationship with your emotional interior, and the key concepts and language used to create an authentic performance as the basic skills needed to develop a personal methodology for acting.

### KTB120 Diverse Theatre Practice

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit addresses artistic practices and narratives that, for historical, societal or

political reasons, have struggled to find a safe place and a voice in our cultural landscape. Through direct engagement, the unit will provide foundational knowledge of the sensitivities of practice and protocols to enhance communication and appropriate professional conduct when collaborating with artists and cultures from diverse backgrounds. An appreciation of how performance and story manifest across distinct cultural boundaries and history is essential for a comprehensive understanding of theatre practice in the 21st century. Theatre practitioners require an awareness of cultural practices and protocols, and empathy for the multiplicity and complexity of a diverse, globalised world, to ensure the voice of Australian theatre reflects a true picture of contemporary society.

### KTB121 The Responsive Performer

Equivalent s	KTB106
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit engages theoretically and practically with interaction, reaction, participation and co-creation in the theatrical experience with emphasis on comedy. The critical and creative theories and techniques needed to cultivate self-awareness, other-



awareness, play, improvisation and vocal and physical technique constitute the central focus of the unit. The basic premise of performance is sharing the conspiracy of theatre with the creative collaborators, fellow performers and, most importantly, the audience. Being comfortable with the uncertainty of the live act and empowered by its dynamism and ephemerality are key aspects of the development of the responsive performer. A combination of exercises and scene study will deepen the understanding and playing of action in the comedic mode. Building on the skills learned in The Authentic Performer, this unit provides you with the skills necessary for the development of a confident and versatile performer.

**KTB126 Drama Practice 1: Collaboration**

Equivalent s	KTB102
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This introductory unit addresses practical and theoretical understandings of processual, improvised and devised dramatic form. It introduces collaborative practice and play building that is at the heart of the BFA Drama coursework. The unit presents different techniques and processes of content generation and form

exploration and develop a language around creative inquiry, taking concepts to action and applying form and genre to original ideas. It offers a descriptive and analytical vocabulary to underpin the application of performance making in preparation for 2nd and 3rd year practical units. Ultimately, this unit will provide a solid foundation for the academic and professional skills of observation and analysis, teamwork, creative leadership and collaboration to explore ideas or generate content.

**KTB216 Drama Practice: Interpretation**

Pre-requisites	KTB126
Equivalent s	KTB105
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

**KTB217 Story and Performance**

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces concepts and techniques needed to develop performance writing, either individually as a playwright or in collaborative and devising contexts. It develops professional dramaturgical proficiency in research, analysis, reflection and the giving and receiving of feedback. An understanding of

storytelling forms and the development of performance texts are fundamental communicative tools for artists. This unit builds on the social, historical and cultural contexts of performance introduced in 'Plays that Changed the World' and introduces a suite of professional practice skills-sets, including dramaturgy in performance-making; understanding traditions of First Nations' storytelling and writing for performance.

**KTB225 Radical Theatre Forms**

Equivalent s	KTB302, KTB204
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit develops an appreciation of theatre innovation in both historical and contemporary contexts. It addresses concepts attributed to postdramatic theatre, immersive theatre forms, theatre as a hypermedium, and audience-centred work. Throughout history theatre has responded to changes within society and has developed styles that have reinterpreted and reinvented the notions of character, tension, audience, site, time and narrative. One way to understand new and radical theatre styles is to investigate the historical and contemporary contexts that are shaping current theatrical practice. These practices give rise to theatre that is responsive to site, places the

audience at the centre of the experience and engages with non-linear narrative form. Understanding this enables theatre-makers to develop informed choices about where to locate, describe and promote their practice and product. This unit explores forms that reinvent notions of audience, narrative, space and linear time.

### KTB226 Drama Practice 3: Transformation

Pre-requisites	KTB126 or KTB102
Equivalent s	KTB205
Credit Points	12
Campus	EXCHANGE, Kelvin Grove and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This practice-led, intermediate unit enables you to build and apply skills in collaboratively devising and performing a show. Under the guidance of a director you interpret and transform key formal features of selected iconic practitioners or performances as the starting point for an original show to be performed at the end of semester. Indeed, transformation can be a process of adaptation, repurposing or one of profound re-imagining of content and/or form through research of form and genre, and the development and application of skills in devising, workshop and dramaturgical interrogation.

### KTB227 Leadership in Creative Contexts

Equivalent s	KTB213, KTB306
Credit Points	12
Campus	EXCHANGE, Kelvin Grove and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit investigates creative roles and organisational systems towards an understanding of conventional and emerging forms of leadership. Through engagement with important practitioners and best-practice models, you will investigate the dynamics of effective collaboration within contemporary contexts, focusing on a personal point of interest. The unit addresses principles and practice of research and conceptual development, as well as the resulting plans and pitches required in professional environments. While leadership can take many forms, in this context its purpose is to achieve a unified creative vision. Whether within conventional hierarchical structures or collaborative models, delivering creative outcomes requires not only knowledge of the personal, logistical and artistic processes of creation, but also an understanding of the creative processes to safely navigate from concept to fullest expression.

### KTB316 Drama Practice: Generation

Pre-requisites	KTB226 or KTB205
Equivalent s	KTB303
Credit Points	12
Campus	External
Availabiliti es	<b>External</b> - XCH-2

### KTB326 Drama Practice 5: Realisation

Pre-requisites	KTB316 or KTB303
Equivalent s	KTB313
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This advanced unit enables you to independently realise a new work on the page, stage or in between, responding to real world opportunities you may pursue after graduation. Interpretation, transformation and generation all have a role to play in realising a new creative work. Led by creative practice, this unit activates the foundations of prior drama practice units in a capstone experience which enables you to further develop your creative practice. Successful creative practice is measured by degrees of expertise, diligence and awareness that are acknowledged by audiences, peers and industry. Talent aside, much is dependent on working with others to converge drama theory, skills and practice into proposals, presentations or performances.

that possess viability and integrity. It is also reliant on the capacity of individuals and groups to formulate and respond to critique and successfully navigate dynamic uncertainties of creative realisation to fashion a viable outcome.

**KTD101 The Successful Creative Life**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1

This introductory unit provides you with background knowledge and skills to study and engage in the Creative Industries. Creativity is seen as a source of competitive advantage in the modern global economy and this unit is a foundation study to deepen your knowledge, critique and application of creative decision making. It does this by tracking the experience of creativity in three areas of life: personal creativity, artistic creativity and creativity in business. To do this you will engage in creativity training through workshops which identify and extend personal creative practices, reviewing the creative decision making of experienced artists and examining the place of creative decision making in the modern creative economy. Studying creativity from these perspectives allows students to engage with a bigger question: How does a person have a successful creative life?

**KVB102 Modernism in Art**

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit addresses concepts and movements that comprise early twentieth-century modernism in art and culture. It provides a coherent theoretical-historical knowledge of the period, 1900-1945, while fostering written, and oral communication skills, as well as building capabilities for visual analysis of art works across different media. Modernism is a crucial area of study for understanding twentieth century and contemporary art and visual culture. A proper comprehension of this period will assist you to become an informed practitioner in contemporary art, design, architecture and art writing.

**KVB104 Photo Media and Art Practice**

Equivalent s	KVD104
Credit Points	12
Campus	Kelvin Grove, Online, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>Online</b> - SUM <b>External</b> - XCH-1, XCH-2

This unit develops an appreciation of the conceptual, cultural and historical contexts of photo media, addressing visual literacy, critical artistic enquiry, and the protocols

related to ethical photo media practice. Photo media, which involves the use of diverse photographic processes, plays an important role in contemporary creative practices because of its pervasiveness and its application across a broad range of cultural and conceptual contexts. Photo imaging may also be the predominant mode of specific artists within a broader multidisciplinary approach to practice. This unit introduces a diverse range of contemporary artistic photo imaging concepts and methods as part of a trajectory of photographic history. It provides the opportunity to experiment with a variety of approaches to understand and create engaging and informed photo image portfolios.

**KVB110 2D Art: Materials and Processes**

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This introductory visual art unit provides you with practical experience of two-dimensional art-making to further develop your creative practice. Through both directed and independent activities, you will explore 2D materials and processes such as wet and dry media work, collage/assemblage, printmaking and additive and subtractive processes. These practical activities will be

underpinned by the application of a 2D art vocabulary. This unit forms part of a suite of visual arts units that aim to expand your creative skillset and visual literacy for application in the visual art studio and beyond.

### KVB113 Australian Art and Identity

Equivalent s	KVB115, KVB103
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces the history of Australian art in the 20th Century. It addresses the national, cultural and social frameworks within which this art has been produced, particularly after World War II, emphasising a number of movements and styles in Australian art and their relationship to international tendencies. The unit also considers the nature of Indigenous art and its contribution to the complexities of Australian cultural identity. All of these issues will assist in understanding that Australian art has, and has continued to be, an important expression of our cultural values. This includes the viewpoints of marginal voices from Indigenous culture and multiculturalism, and at the level of gender and sexual politics.

### KVB117 Visual Arts Open Studio 1

Credit Points	12
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Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces current creative visual arts practices - their processes, reception and contribution to society. It looks at individual visual art practice through applying creative processes, 'art thinking' and the development of a conceptual/contextual framework to support studio activities. The open-ended conditions of current creative practices are diverse, complex and multi-layered. With its emphasis on transmedia experimentation, the studio facilitates the understanding of these conditions to develop creative skills. This unit supports independent, self-directed art practice. By exploring a range of transmedia strategies for art practice and identifying your individual perspectives and interests, you will develop ways of engaging with the possibilities and challenges arising from the practice of contemporary art. This unit also fosters communication skills, self-motivation, sense of inquiry and openness to new ideas, media and ways of working.

### KVB127 Visual Arts Open Studio 2

Pre-requisites	KVB117 or KVB120
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit advances your independent, self-directed art

practice. By exploring a range of processual strategies for the practice of contemporary art and identifying its active and emergent conceptual dimensions, you will develop ways of engaging with the possibilities and challenges arising from the practice of contemporary art. The open-ended conditions of current creative practices, their processes, reception, and contribution to society, are diverse, increasingly complex, and inherently multi-layered. The Open Studio model of contemporary visual art practice provides a platform to build a robust and flexible creative skillset. Building on learning completed in Visual Arts Open Studio 1, you will expand your individual visual art practice through the exploration of creative processes, the application of 'art thinking'; and the development of a conceptual/contextual framework to support your studio activities.

### KVB200 Exhibition and Display in the Visual Arts

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces the contextual frames of display. It addresses the development of the museum in Western cultures and how that tradition manifests in current arts practices such as in contemporary exhibitions, the display of collections, installation and site-specificity,



audience interaction, curatorial activities such as didactic panels and virtual galleries. This unit supports you to display objects and images from your own arts practice and/or the artwork of others in effective and appropriate ways. Museums (and other arts institutions) frame history, memory and meaning in particular ways to stage coherent narratives with educational intent. The unit provides key contextual material and practice for those pursuing work in the Creative Industries as art practitioners, educators or professional workers.

**KVB210 Time-Based Art: Moving Images**

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces the theory and practice of the moving image as an art form. It addresses ideas and languages in relation to contemporary video and filmic art and what it shares with television, cinema and other time-based media. These concepts inform the development of methods and skills in practical experience by creating moving-image artwork. The unit looks also at literacy in the meaning, formal codes and conventions of moving images in order to encourage critical and analytical thinking that can be used to effectively

communicate concepts through creative practice. An expansive range of video, filmic and time-based imagery currently dominates the cultural landscape. This unit engages with the conceptual and artistic possibilities of moving images which constitute a crucial graduate capability for those committed to building a professional practice in visual meaning-making and communication.

**KVB216 Post 1945 Art**

Equivalent s	KVB214, KVB211
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces the historical, philosophical, economic, political, social, cultural, artistic and formal issues related to art production since 1945 and into the post-modern era. It covers topics on neo-avant-garde, and art's engagement with consumerism, the philosophical underpinnings of movements such as Pop Art, Minimalism, Conceptualism, Performance and Earthworks, Feminist art practice, and post-modern art and architecture. The study of these movements will assist you in understanding the history behind arts production and the styles that have been adopted by other creative industries. This unit provides a skill-base for all Creative Industries students and applies to all disciplines and cultural

industries including art criticism, arts practice, architecture, landscape architecture, fashion and music. You will also increase understanding and skills that are pertinent to the study of cultural literature and visual analysis.

**KVB217 Visual Arts Open Studio 3**

Pre-requisites	KVB127 or KVB121
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit integrates creative practice methods and codes, self-directed socio-cultural research, and personal reflection, in order to consolidate a studio-based art practice. It develops a pervasive sense of creative inquiry, self-motivation, self-reliance, and an openness to new ideas and aesthetic experiences. By providing support and structure for these activities and developments, the unit aims to habituate these essential qualities of artistic practice. The open-ended conditions of current creative practices - their processes, reception, and contribution to society - are diverse, increasingly complex, and inherently multi-layered. The Open Studio model of contemporary visual art practice provides a platform to build a robust and flexible creative skillset. This unit foregrounds art thinking, speculative inquiry and combinatory play with the

material, conceptual and contextual dimensions of creative practice in order to nurture creative literacy and intelligence.

**KVB222 Spatial Art: Object and Site**

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This intermediate visual art unit provides empirical and theoretical frameworks for exploring the areas of space and site thus further developing your creative practice. Through both directed and independent activities you will explore the sculptural object and its setting as interdependent aspects of spatial art practice. These practical activities will be grounded in a study of the critical-analytical background to debates and theories in the field of installation art, site-based art and public art. This unit forms part of a suite of visual arts units that aim to expand your creative skillset and visual literacy for application in the visual art studio and beyond.

**KVB223 Post 1989 Art**

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces key ideas and styles of art practice that

have emerged since 1989 in a global economy. It develops knowledge and skills that are relevant to cultural literature and visual analysis. It furthers your expertise in problem solving, creative thinking and effective communication of knowledge in a variety of contexts and modes. As a creative industries student, it is important to possess an informed knowledge of art and culture since 1989, including the rise of the experience economy and the centrality of entertainment and post-avant-garde art in global creative industries. The concepts and knowledge gained will aid you to organise and evaluate information, synthesise research material into a coherent form, and write and verbally articulate ideas. This unit is intended to provide a foundation skill-base for you in Creative Industries and is applicable to all disciplines including art criticism, arts practice, architecture and fashion.

**KVB227 Visual Arts Open Studio 4**

Pre-requisites	KVB217
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit focuses on the elaboration and sustained development of an individualised artistic practice within a creative community of practitioners. It foregrounds art

thinking, speculative inquiry and combinatory play with the material, conceptual and contextual dimensions of creative practice in order to nurture an expanded and nuanced level of creative literacy and intelligence. The open-ended conditions of current creative practices, their processes, reception, and contribution to society, are extremely diverse, increasingly complex, and inherently multi-layered. The Open Studio model provides a unique and ideally suited position from which to understand these factors and develop a relevant creative skillset. This unit furthers a sense of creative inquiry, self-motivation, self-reliance, and an openness to new ideas and aesthetic experiences. By providing support and structure for these activities and developments, the unit reinforces these essential qualities of artistic practice.

**KVB317 Visual Arts Open Studio 5**

Pre-requisites	KVB227
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides conceptual frameworks and practical experience in the Open Studio in order to refine critical, creative and analytical thinking in an integrated, transmedia creative practice. It addresses effective communication in a

variety of professional contexts and modes. The conditions of contemporary art practices, their production, reception and contribution to society are diverse, complex and multi-layered. To successfully navigate this environment, professional practitioners require strong self-advocacy skills and the ability to communicate an informed, independent position in various contexts. In this final year unit, you will undertake self-directed, intensive study in the Open Studio, supported by research into a broad range of artists' practices and contemporary art theory. The Open Studio is a creative community, which foregrounds art thinking, speculative inquiry and combinatory play with the material, conceptual and contextual dimensions of creative practice.

### KVB327 Visual Arts Open Studio 6

Pre-requisites	KVB317
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides conceptual frameworks and practical experience in the Open Studio, in order to synthesise critical, creative and analytical thinking, in an independent, professionally ready, creative practice. It addresses effective communication, presentation and advocacy skills for the variety of contexts and modes you will engage with in the professional industry. The

conditions of contemporary art practices, their production, reception and contribution to society are extremely diverse, increasingly complex and multi-layered. Your sustained critical involvement and increasing commitment to conceptual and creative pursuits will be supported by intensive research into artists' practices and contemporary theory. The Open Studio is a creative community, which foregrounds art thinking, speculative inquiry and combinatory play with the material, conceptual and contextual dimensions of creative practice.

### KVD104 Photomedia and Artistic Practice

Equivalent s	KVB104
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Photo media, which involves the use of diverse photographic processes, plays an important role in contemporary creative practices because of its pervasiveness and its application across a broad range of cultural and conceptual contexts. Photo imaging may also be the predominant mode of specific artists within a broader multidisciplinary approach to practice. Photomedia and Artistic Practice introduces you to a diverse range of contemporary artistic photo imaging concepts and methods as part of a trajectory of photographic history. This unit also gives you the opportunity

to experiment with a variety of approaches to understand and create engaging and informed photo image portfolios.

### KWB104 Writing the Short Story

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The writing of short stories has traditionally been a starting place for writers to begin developing their craft. Via the short story, this unit explores the elements of fiction such as character, voice, setting, plot, dialogue, point of view and modulation, and helps you acquire and practice skills in creative writing. In this unit you will also learn to analyse literary writing, in particular the short story, for craft elements in a way that informs and illuminates your own work. In addition to lectures, tutorial based peer-critique workshops are a central part of this unit. Within them, in a guided and structured way, you will get and give feedback on the stories as they are being written.

### KWB113 Introduction to Creative Writing

Equivalent s	KWB101
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides the fundamental skills for writing fiction and poetry as well as the basic theoretical background that underpins them. It looks at the development of these literary forms as a way of understanding how a practitioner might best approach both the writing and critical analysis of them in the contemporary context. It develops a critical understanding of your own and others' approaches to writing life. You will be encouraged to develop the skills required for professional writing through a series of tasks that introduce key concepts such as characterisation, constructing a scene, and writing dialogue.

### KWB116 Creative Non-Fiction

Equivalent s	KWB107
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The ability to recognise, analyse and use core types of non-fiction writing is an important part of the professional writer's practice and a highly useful aspect to develop early in a writing career. Creative non-fiction allows writers to combine real life stories with the creative writing techniques employed in fiction, and develops writing skills in a variety of non-fiction written modes and publishing contexts. These include personal essay and humorous writing, life writing and travel

literature, and reviewing of books, film, music, and food. This unit encourages you to apply the creative writing techniques of these forms to your areas of interest, and has an industry focus in equipping you with practical and analytical skills in a range of non-fiction creative writing genres.

### KWB117 Australian Voices: Writing and Practice

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

The ability to recognise, analyse and engage with key aspects of one's national writing culture is an important part of a professional writer's practice. This unit analyses works of contemporary Australian writing focusing on how writing culture in Australia is positioned in terms of industry, genre, and changing concepts of authorship practice. This unit equips you with creative writing and analytical skills in a range of Australian contexts. It offers reading and discussion of contemporary prize-winning works and an understanding of the writing and broader cultural contexts of their publication.

### KWB118 Swords and Spaceships: Writing Genre

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit surveys current trends in genre writing and popular fiction with a focus on writing for reader engagement. You will have the opportunity to develop a piece of writing that makes use of the techniques of your chosen genre and that reflects the concerns and themes appropriate to your genre. It includes focused writing exercises that will enhance the skills needed to develop, research, and write a genre text. It also aims to help you develop an understanding of genre theory. The unit develops your critical understanding of your own and others' approaches to the writing life, and the theories of genre that underpin those approaches.

### KWB211 Creative Writing: Style and Technique

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit is a masterclass in literary style. Each week in this unit we will look at how one writer produces a particular technique or effect well, we will unpack at a language level exactly what they are doing, and then we will use this understanding to produce a written piece for the week employing that technique. In essence, this unit provides an opportunity to develop different writing techniques through guided writing exercises and theoretical analyses of texts



with an emphasis on style and effect. Here you move beyond the basic elements of fiction and develop advanced techniques in creative and professional writing at a low, language-oriented level. Intensive studio-based work, self-directed creative practice, guided critical analysis and asynchronous on-line activities characterise the teaching and learning in this unit.

### KWB212 Poetry and Poetics

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides important creative and critical skills in writing poetry and cultivating an understanding of how to interpret and use poetic techniques. It explores a spectrum of contemporary and traditional forms of poetry, and is designed for those who are interested in poetics and the use of words in precise, innovative, concentrated and musical ways. It equips students with knowledge of the techniques, poetic forms and modes, and the opportunity to apply this vocabulary in analysing and reading a wide range of contemporary poetry. The unit provides key creative and critical skills in writing poetry, while offering you the chance to practice in a variety of poetic forms and modes, reflectively writing about your own poetry and analytically writing about the stylistics of

another person's work. The unit occurs at the mid-point of the creative writing major, building on KWB211 Creative Writing: Style and Technique, and preparing you for the advanced work of third year.

### KWB214 The Artful Life: From Memoir to Fiction

Equivalent s	KWB313
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit examines the relationship between imaginative literature, especially the novel, and the inspiration we derive from our own lives. Memoir and fiction are major literary forms that are connected by their use of creative writing techniques and by the way they draw material from authors' personal experiences. They also are pervasive, complex and culturally important literary forms. This unit is designed to help you examine and understand the theory and practice of memoir and long-form fiction writing; the relationship between imagination and inspiration, and the process of planning and research leading to the development of a novel or memoir proposal, including an initial chapter and synopsis. As such, the unit addresses the scope, challenges and practices of developing fiction or memoir; the standards, conventions and possibilities of

fiction and memoir forms; and the development of editorial skills in collaboration with others (feedback).

### KWB215 Dangerous Ideas: Contemporary Debates in Writing

Credit Points	12
Campus	EXCHANGE, Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces you to the key debates and ideas animating the field of contemporary creative writing, and allows you to consider your own writing practice in the context of these debates. The unit helps you to develop a nuanced understanding of the issues preoccupying contemporary writers, to gain insight into the historical and cultural factors informing those issues, and to articulate your own perspectives via conversation and debate. You will encounter a spectrum of ideas about what it means to be a writer today as well as the historical and cultural factors informing our ideas of authorship.

### KWB217 Editing and Publishing

Equivalent s	KWB310
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit offers an advanced understanding of the editing process and the contemporary

Australian publishing landscape. It develops your editorial acumen across a range of modes and forms, and builds the interpersonal skills required for editorial relationships. These understandings and skills are crucial for those intending to work in the publishing industry and are of great benefit to creative writers. You will learn to edit the work of others with insight, understanding, and technical skill, and gain a greater knowledge of contemporary Australian publishing.

### KWB306 Creative Writing Project 1

Pre-requisites	Completion of 72 credit points of Creative Writing units (KW% units).
Equivalent s	KWB205
Credit Points	12
Campus	EXCHANGE, Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides an opportunity to develop an extended creative writing project in your preferred and strongest genre and form. It will allow you to plan and propose an extended piece of creative work through a series of intensive highly participatory workshops in collaboration with peer critique groups. Though the major covers a range of writing genres, you choose your strongest genre and write with both breadth and complexity. This unit supports you to demonstrate that you

have developed a sophisticated voice or style over the three years of study. The piece of work commenced here will continue to be built on in KWB326 Creative Writing Project 2.

### KWB308 Wonderlands: Literature and Culture in the 19th Century

Equivalent s	KWB005, KWB724
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit addresses important contemporary cultural, social and political movements through the reading of fiction and nonfiction texts. These texts include science fiction, fantasy and realist modes, as well as class ideologies and revolutionary politics from novels and poetry of the nineteenth century. They examine political and social change in Europe between 1790 and 1900, with a view to making critical links between current ideologies and literary forms and their formulation in a nineteenth century text. As such, works ranging from Frankenstein to Alice in Wonderland are deployed to consider the textual representations of important cultural, social and sexual issues. This unit assists you to gain an appreciation of important changes in the nineteenth-century in order to further your understanding of contemporary literary and

cultural forms.

### KWB326 Creative Writing Project 2

Pre-requisites	KWB306 or KWB205
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1

This unit provides a unique learning opportunity to complete a sustained body of creative work in a genre or form of your choice and identify market and publication strategies for your work. Building on the project commenced in KWB306 Creative Writing Project 1, it offers you the opportunity to continue work on an extended piece of creative writing with the assistance of critiques and peer feedback. The unit aids you to identify markets for creative practice, develop skills and strategies to submit work to publishers for professional consideration, and identify and create pathways for publication.

### KXB302 Entertainment Project 1: Preproduction

Pre-requisites	Completion of 168 credit points of study
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This practice-based unit enables you to take high responsibility for the pre-

production phase of a real world entertainment project. The advanced experience and skills gained from this project are designed to develop your confidence as an Entertainment Industries' professional producer. This unit is designed as the first of two capstone units for you in the Entertainment Industries degree. You apply the knowledges, skills and orientations acquired during your study in a real world entertainment project involving an industry partner. The unit covers the initial pre-production phase during which the project is researched and developed. You will be entrusted with a high degree of responsibility in order to ensure that the project is completed to a professional standard.

### KXB303 Entertainment Project 2: Production

Pre-requisites	168 credit points of study
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This project-based unit enables you to take high responsibility and initiative for the delivery of an authentic media and entertainment project. The advanced experience and skills gained from this project are designed to further develop your confidence as a media and entertainment industries professional. This unit is the second of two capstone units in the Media and Entertainment

Industries study area and is designed to build upon the knowledge, skills and experience gained in KXB302. The unit develops and assess your professional capacity in a team-based context in delivery of a media and entertainment project working alongside project stakeholders. You will be entrusted with a high degree of responsibility and autonomy in order to ensure that the project is completed to a professional standard.

### KYB101 Understanding Creative Practice

Equivalent s	KKD102, KKB185, KKB102, DYB101
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This foundational unit provides the principles and skills of creative and critical literacies in creative practice. It introduces the descriptive and analytical vocabulary for your creative practice discipline. It also looks at the principles of Indigenous knowledges and to the contribution that Aboriginal and Torres Strait Islander artists have made to creative practice across a range of disciplines. The unit emphasises the productive relationship between traditional academic communication and creative practice with student responses to creative practice exemplars provided in both written and artform-based modes. This provides opportunities to practice academic writing, peer learning, and giving and

receiving feedback. The unit prepares you to synthesise practical and theoretical knowledge about creative practice.

### KYB102 Pathways to a Creative Career

Equivalent s	KKB180, KKB101, KKD101
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit helps you develop a professional identity. It introduces the principles and skills required for professional creative practice, including tacit knowledge, education and career planning, and professional development for creative industries practitioners. As such, it addresses personal branding, communicating about your work in professional contexts, navigating ethical and regulatory questions, self-care in practice, working toward a distinctive skill set and setting career goals. Creative practitioners begin developing a professional network during the course of their studies and a foundational understanding of how to build and maintain that network.

### KYB103 The Creative Body

Equivalent s	KTB107
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b>



es	- SEM-1 <b>External</b> - XCH-1, XCH-2
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This practice-based unit gathers you from across the performance disciplines (dance, drama, music) to explore the relationship between body and creative impulse in a transdisciplinary creative space. It introduces a variety of philosophies exploring the psycho-social dynamics of the body in your creative practice and its place in a space. The human body is a fundamental tool and a central site of study for artists, regardless of their specialisation. Good performance techniques are reliant on an understanding of the body and its capabilities to open the imagination of the individual, the group and an audience. An understanding of the body—how it moves, how it feels and how it relates to other bodies—is crucial to build resilience, connectedness and sustainability in performance-based creative practice.

### KYB201 Socially Engaged Arts Practice

Equivalent s	KTB108, KTB209, KTB212
Credit Points	12
Campus	EXCHANGE, Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit addresses principles, practices and forms of performance that privilege community and cultural democracy. By examining the key ideology and teachings

and contemporary Australian practice in community and cultural development (CCD), this unit aims to make connections between creative practice, community and their concerns. It also aims to provide opportunities for you to engage positively in these contexts through your respective art form. Creative practice can reach out beyond the walls of conventional performance space and use its transformative powers to activate solidarity and agency in people and communities to facilitate social action and positive change. Knowledge of the ethos, values and processes of working with communities in a responsive and consultative fashion is an important capability for a comprehensive career in arts and provides key career opportunities for emerging artists.

### KYB301 Situated Creative Practice Project

Pre-requisites	Completion of 168 credit points of study
Credit Points	24
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides opportunities to work on a range of projects in transdisciplinary and interdisciplinary groups. The projects offered in each semester are designed to provide authentic creative practice situations in collaboration with cross-disciplinary supervision teams.

The working life of the creative practitioner is dynamic and often unpredictable. Successful professional practitioners are required to respond to opportunities at short notice, apply their knowledge and skills in a range of sites and contexts, and work on diverse projects with complex transdisciplinary and interdisciplinary teams, while simultaneously maintaining and managing their own career path. This unit provides strategies for managing your time, resources and interpersonal communication, and maximising the creative, intellectual and professional benefits of project experience. You face diverse perspectives on advanced creative practice and receive rich professional feedback.

### KYB302 Situated Creative Practice Industry Project 1

Pre-requisites	Completion of 168 credit points of study
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This unit provides opportunities to work on a range of Work-Integrated-Learning projects in transdisciplinary and interdisciplinary groups. They provide authentic creative practice situations in collaboration with QUT research labs and/or industry partners. The working life of the creative practitioner is dynamic and often unpredictable. Successful professional practitioners are required to respond to



opportunities at short notice, apply their knowledge and skills in a range of sites and contexts, respond to the needs of industry or community, and work on diverse projects with complex transdisciplinary and interdisciplinary teams, while simultaneously maintaining and managing their own career path. This unit provides strategies for managing your time, resources and interpersonal communication, and maximising the creative, intellectual and professional benefits of project experience. You face diverse perspectives on advanced creative practice and receive rich professional feedback.

**KYB303 Situated Creative Practice Industry Project 2**

Pre-requisites	KYB302 (can be enrolled in the same teaching period)
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This unit provides opportunities to work on a range of Work-Integrated-Learning projects in transdisciplinary and interdisciplinary groups. They provide authentic creative practice situations in collaboration with QUT research labs and/or industry partners. The working life of the creative practitioner is dynamic and often unpredictable. Successful professional practitioners are required to respond to opportunities at short notice, apply their knowledge and skills in a range of sites and contexts, respond to the needs

of industry or community, and work on diverse projects with complex transdisciplinary and interdisciplinary teams, while simultaneously maintaining and managing their own career path. This unit provides strategies for managing your time, resources and interpersonal communication, and maximising the creative, intellectual and professional benefits of project experience. You face diverse perspectives on advanced creative practice and receive rich professional feedback.

**LCN600 Connected Learning**

Equivalent s	CLN601
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

Contemporary learners are immersed in a rapidly changing connected learning environment with a challenging array of digital technologies and social media. You will develop the conceptual understandings and pedagogical practices necessary to engage in professional learning and to innovatively promote learning in this environment. This unit promotes connected learning in a variety of formal and informal learning contexts, including: school, public and academic libraries; schools and universities; workplace and community. As members of the unit's connected learning community, you will experience the socially situated, production-centered and

interest-driven nature of connected learning. You will explore and learn to use a range of social media and develop an online personal learning network. You will undertake connected learning design projects. The products are directly applicable to your professional practice as an educator. This unit will be taught via blended learning.

**LCN601 Designing Spaces for Learning**

Equivalent s	EUQ647
Credit Points	12
Campus	Online and External
Availabilities	<b>Online</b> - SEM-2 <b>External</b> - SEM-2

Educators and learners engage in learning in a variety of spaces and learning environments both physical and virtual. Learning space design must respond to changes in pedagogy, access to fixed and mobile technologies, and learners' needs and attributes. Purposefully designed physical and virtual spaces contribute to the quality and outcomes of learning. In this unit you will view familiar educational environments, both physical and virtual, in different and creative ways, and develop innovative solutions to design problems for a particular learning context. This unit will be taught via blended learning.

**LCN604 Second Language Curriculum Design**

Equivalent	CLN613
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## Units

Equivalent s	
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Whether working with an official syllabus or curriculum or from an analysis of language needs, EAL/D teachers, community language teachers and those who work with them such as school leaders, curriculum and materials developers, policy makers and program managers in the area of TESOL, need an understanding of current issues in course design and the processes involved in developing effective language programs for specific groups of learners. This unit introduces the factors that influence teachers in the development of language programs. It includes analysis of the following areas: learner profiles and needs; aims and objectives; processes and criteria for selecting methodology; content selection and sequencing; choice and evaluation of materials and resources and processes involved in developing courses.

### LCN606 Second Language Assessment

Equivalent s	CLN616
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit introduces the theories and practices in

second language assessment. It examines and evaluates both classroom based assessment tasks and standardised tests used to assess the proficiency of second language speakers. Language teachers and school leaders need both the understanding of theoretical aspects of language assessment, and the skills necessary for the creation and interpretation of classroom-based language assessment tasks. Through reading and discussion of recent research into language assessment, you will also develop a framework through which to evaluate language assessment tasks used in a teaching context relevant to you.

### LCN612 Sociolinguistics

Equivalent s	CLN640
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

In the context of teacher education, there is increasing acknowledgement of the importance of studying the relationships between language, culture, pedagogy and society. This unit introduces sociolinguistic topics that explain how language relates to and shapes social variables such as class, gender and generation. It also examines the factors impacting educational settings such as bilingualism, code-switching, and language planning and policy. At a time of increasing

diversity in local and national settings, understanding the social and cultural influences on language use is crucial for ensuring access and participation by all learners. It is also vital for understanding language choices and rights in a multicultural, pluralistic society.

### LCN614 Grammar for Second Language Teaching

Equivalent s	CLN642
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Second Language Teachers need not only to be able to speak and understand the language they are teaching but have an understanding of how the language works - its systems and rules of usage. This unit focuses on raising awareness of traditional and functional perspectives of grammar. It also introduces participants to current issues concerning the role of grammar in Second Language Teaching and Learning and to various options for the integration of grammar into the communicative teaching of spoken and written discourse.

### LCN615 Learning Hubs

Equivalent s	CLN646
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

This unit underpins the teacher-librarianship study area as it examines the theory and practice of teacher-librarianship, and the roles of teacher-librarians and school libraries as learning hubs within the school community. You will undertake a short professional placement at a school library and will compare practice at your placement site to current understandings of best-practice teacher-librarianship. This unit will be taught via blended learning.

### LCN616 Inquiry Learning

Equivalent s	EUQ645
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

Inquiry learning is embedded throughout the curriculum in all levels of schooling and higher education. In this unit you will pose and research your own inquiry question related to inquiry pedagogy. You will analyse an existing inquiry unit of work, or design your own inquiry unit. This unit provides a research based, theoretical and practical context for developing information literacy within an inquiry-based learning pedagogy. This unit will be taught via blended learning.

### LCN617 Children's Literature: Criticism and Practice

Equivalent s	CLN659
Credit Points	12
Campus	External

Availabilities	<b>External</b> - SEM-1
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School libraries and classrooms are spaces where multi-literacies and multi-modal textualities are constant and ever-increasing presences in the daily and educational lives of students and staff. The ability to select, critically evaluate, and effectively share texts for and with young people is essential for effective teaching and teacher-librarianship. Children's literature, in its many forms, demands flexible, critical reading practices in order to be put to its best use as a pedagogical tool; in particular, children's literature is a powerful tool for engaging students in issues around knowledge, identity, society, and culture. This unit provides teachers and teacher-librarians with a range of tools, strategies, and approaches for the critical analysis of children's literature, which in turn will enable them to communicate critically with students and stakeholders in classrooms and libraries.

### LCN618 Advanced Educational Counselling

Pre-requisites	LCN636 or SPN651
Equivalent s	SPN610
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2 (Block)

Classroom teachers and professionals working in educational contexts take an active role in the total

development of their students. This involves helping students cope with the stressors and personal conflicts that impinge upon their academic performance. This unit builds on the knowledge and skills gained in its pre-requisite, and provides you with an overview of major theories of counselling and assists in the development of a framework using one of these approaches that may be used as a basis for your own counselling.

### LCN619 Educational Guidance and Counselling: Professional Practice

Pre-requisites	(LCN636 or SPN651) and (LCN620 or SPN612). LCN620 can be studied in the same teaching period as LCN619
Equivalent s	SPN611
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2 (Block)

Educators wishing to perform the professional duties of a Guidance Officer/Educational Counsellor need to have an understanding and knowledge about the tasks undertaken in professional practice: intervention, prevention, affective, and developmental programs; adolescent issues and career counselling; consultation models, theories and practices; self-management skills, time management, program evaluation, accountability and decision-making discussed. In keeping with the educational philosophy of P-12, you will be exposed to the professional

duties undertaken by a Guidance Officer/Educational Counsellor working in a preschool, primary and secondary setting. This unit will describe the various duties and tasks undertaken by helping professionals working in the educational context.

### LCN620 Psychoeducational Assessment

Equivalent s	SPN612
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1 (Block)

This unit is designed to provide you with a broad understanding of the various types of psychoeducational assessment techniques and strategies used in the educational context by Guidance Officers/School Counsellors. Throughout this unit, you will examine a range of psychoeducational assessment strategies such as observation, interviewing and formalised testing of learners who exhibit learning, behavioural and/or emotional difficulties.

### LCN621 Career Development and Professional Practice

Equivalent s	SPN618, EUQ642
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

In this unit you will consider lifelong learning within the context of career; and develop knowledge and skills to enable you to lead the delivery of

career development programs to a wide ranging clientele. The importance of effective and theoretically based career programs in preparing all individuals for lifelong career decision-making has long been recognised. As a practitioner, you need to develop skills to create innovative and flexible programs which will meet individual needs and have a solid theoretical foundation as the basis of your practice. You will consider the means by which varied theories and models of career development can inform your practice. You will make connections between the theoretical foundations laid down in LCN637 and the construction of effective career development programs which foster personal understandings of career, encourage individual construction of career and are appropriate for diverse groups. This unit will be taught via blended learning.

### LCN622 Career Counselling

Equivalent s	SPN620, EUQ643
Credit Points	12
Campus	Online and External
Availabilities	<b>Online</b> - SEM-2 <b>External</b> - SEM-2

In this unit you will consider and critically evaluate a range of counselling perspectives in order to formulate a position with respect to your own career counselling practice. Career counselling, a key strategy in assisting individuals to understand their career decision-making, refers to an

interpersonal process which may be conducted in individual or small group settings. Career counselling adopts methods of personal counselling in exploring career development issues and is increasingly being conceptualised as a learning process, with the career counsellor as a facilitator. You will consider traditional and emerging career counselling processes, to develop advanced skills in communication and counselling, and develop relevant aspects of ethical practice. This unit will enable you to connect these theoretical frameworks to your career counselling practice. This unit will be taught via blended learning.

### LCN623 Leadership Concepts, Theories and Issues

Equivalent s	SPN625
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

The unit provides a foundation for understanding core leadership concepts and processes and critically reviews past and current conceptions and theories of leadership. Key issues central to the work of leaders are explored. The unit is appropriate for those from both educational and non-educational backgrounds.



### LCN624 Leading and Managing People

Equivalent s	SPN626
Credit Points	12
Campus	Kelvin Grove, Online and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>Online</b> - SEM-2 <b>External</b> - SEM-2

This unit focuses on developing your understanding about some of the many important people issues in organisations today. It is argued in this unit that people are the most important resources in organisations and, as such, a study of the effective leadership and management of that resource is important in enhancing organisational effectiveness.

### LCN629 Inclusive Education: Theory, Policy and Practice

Equivalent s	SPN644
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Schools are a reflection of diversity within global and local education communities. An inclusive approach to education involves a critique of social values and priorities and the structures and institutions they support. It involves the politics of recognition and is concerned with the serious issue of who is included and who is excluded within education and society

generally. This unit will provide an understanding of the historical and theoretical background of inclusion as well as knowledge of the theories, current research, and implications for instructional practice related to supporting students with learning difficulties and disabilities in inclusive classrooms.

### LCN630 Leadership, Policy and Change in Action

Anti-requisites	SPN627, SPN628
Equivalent s	SPN645
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

As leaders you will play a significant role in leading and managing changes imposed by educational policies. An understanding of systemic and organisational change processes and the challenges posed by the process of policy form the critical knowledge base for leaders to achieve quality outcomes in a competing global environment. The unit presents the theories and processes of educational change; organizational cultures and values and their influence on change; policy processes (development, implementation and evaluation); policy trends and change in educational contexts.

### LCN631 Strategic Management

Anti-requisites	SPN637
Equivalent	SPN646

s	
Credit Points	12
Campus	Kelvin Grove, Online and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>Online</b> - SEM-2 <b>External</b> - SEM-2

There have been increasing demands from statutory bodies and other stakeholders for all organisations, whether schools, educational institutions, voluntary organisations, businesses or government departments, to be effective, efficient and managed in a transparently responsible way. This has come at a time when most organisations face external environments that are increasingly chaotic - instability being driven by such forces as increasing government legislation, legal challenges, changing technology, information growing exponentially, reduced time frames and demands for improved quality. This unit will look at the strategic management of an organisation, general systems theory and the issues of governance and accountability to analyse the processes educational organisations and other organisational settings use to maintain their strategic intent and to harness the continuous and discontinuous innovation required to sustain organisations in challenging times.

### LCN632 Understanding Reading and Writing Difficulties

Anti-requisites	SPN614
Equivalent s	SPN647
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

While the understanding and application of learning theory is essential to the teaching of all students, there will always be some for whom specialised approaches are required in order to maximise their potential. Estimates indicate that approximately 16% of children in Australia can be described as ineffective readers. Children who experience reading and writing difficulties are at high risk for academic failure during their school years and chronic unemployment and ill-health in adulthood. Accordingly, it is vitally important for teachers to develop their knowledge and skills so that they can meet the needs of diverse literacy learners in a flexible, inclusive manner using evidence-based approaches to instruction (DEST, 2005). Content in this unit relates to the components considered critical to reading and writing success, with recognition of classroom-based assessment practices and recommended instructional practices for readers and writers experiencing difficulties.

### LCN633 School Guidance and Counselling Practicum

Pre-requisites	(LCN636 or SPN651) and (LCN619 or SPN611). LCN619 and LCN636 can be studied in the same teaching period as LCN633
Equivalent s	SPN648
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>External</b> - SEM-1, SEM-2

As well as developing a sound knowledge base, studying school guidance and counselling requires the development of skills to apply this knowledge in the practical setting of schools and community organisations. This professional experience unit will provide you with professional knowledge and skills in the practice of school guidance and counselling and an awareness of ethical code of conduct and guidelines. You will demonstrate a high standard of professional conduct in the school setting or the community organisation and observe and engage with assessment and intervention processes.

### LCN634 Supporting Learners with Social, Emotional and Behavioural Needs

Equivalent s	SPN649
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

Educators' concerns about effectively managing the classroom environment are intensified by the inclusion of

learners with additional needs. Behaviours associated with low engagement, learning difficulties, attention and activity disorders, autism spectrum disorders, and moderate to severe disabilities present major challenges for educators. Accordingly, sound knowledge of effective classroom management practices and the ability to work collaboratively with support personnel to plan and provide appropriate supports to address the needs of all learners are essential. Theoretical approaches and practical strategies that are particularly effective in teaching and supporting learners with social, emotional and behavioural needs in inclusive classrooms will be emphasised. Procedures for evaluating the effectiveness of management practices as well as issues of social justice and equity will also be discussed.

### LCN635 Supporting Students with an Autism Spectrum Disorder

Equivalent s	SPN650
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

In accordance with 2005 DEEWR requirements, teachers must acquire the knowledge and skills to support all learners in inclusive classrooms. Students with an Autism Spectrum Disorder make up a significant proportion of the total student body requiring special attention.

in schools. In the Department of Education and Training (DET) schools alone, there are over 4,000 students (or 0.9% of the total student population) identified with one of the autism spectrum disorders. Most of these students are enrolled in regular schools in inclusive classrooms (Education Queensland, 2003). This unit will assist you as a classroom and specialist teacher, school counsellor or guidance officer to deepen your knowledge in the area of Autism Spectrum Disorders and to develop your skills in identifying and supporting this group of students in an inclusive educational setting.

### LCN636 Introductory Educational Counselling

Equivalent s	SPN651, EUQ640
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1 (Block), SEM-2 (Block)

This unit will introduce you to core counselling techniques and communication skills that underpin effective helping strategies used by counsellors in a range of helping professions. The unit will assist you to understand and use particular skills that help to increase your own self-awareness and awareness of the needs of others. The aim of effective counselling is to develop the capacity of clients to problem-solve and to work towards their goals and potential.

### LCN638 Theory and Practice of Second Language Teaching and Learning

Anti-requisites	CLN608, CLN612
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

Educational institutions are experiencing growing enrolments of students from diverse cultural and linguistic backgrounds. Domestically educators may be working with students learning English as an additional language (EAL) or with Indigenous students using Standard Australian English as an additional dialect (EAD). Overseas, the focus might be on teaching English as a foreign language (EFL). For teachers, school leaders and policy makers, and people interested in Teaching English to Speakers of Other Languages (TESOL), knowledge and skills in promoting learning and support are crucial. This unit provides you with knowledge, understandings and skills in second language teaching and learning, including curriculum development, task design, classroom teaching, and evaluation. The focus is both on bilingual education contexts and settings where students are using English as an additional language or dialect (EALD). It also addresses Languages Other Than English (LOTE) programs.

### LCN639 Youth, Popular Culture, and Texts

Equivalent s	CLN647, CRN600
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

In popular culture, youth find the resources and means for identity formation, social relations, and pleasure, as well as develop a range of knowledge, skills, values and attitudes. To make learning meaningful and relevant to students' lives, you need to understand the ways popular cultural texts (entertainment media, computer-based, and mobile) form the cultural capital of youth. You also need to develop new knowledges and skills of textual analysis that will enable them to critique, select, and use various cultural texts for specific pedagogical purposes and learning contexts. This unit emphasises new contexts and knowledge with particular significance for teacher-librarianship as it provides the opportunity to engage with contemporary texts that capture the experiences, knowledge, and desires of youth, which impact on their cultural, economic, social, political, and ethical lives. In the context of this unit youth includes young people of school age approximately 5-18 years.

### LLB101 Introduction to Law

Equivalent s	LWB145
Credit Points	12
Campus	Gardens Point and External



## Units

Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2
	<b>External</b> - SEM-1, SEM-2

Introduction to Law provides a necessary foundation for legal studies by introducing you to core legal knowledge and the skills of legal reasoning, problem solving, legal writing and research.

### LLB102 Torts

Pre-requisites	LLB101. LLB101 can be studied in the same teaching period as LLB102
Equivalent s	LWB148
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

In this unit, you will apply the skills you are developing in LLB101 Introduction to Law and be introduced to the skills of legal problem solving and legal interviewing and questioning as you look at how the law of torts operates in a real world context. The knowledge and skills that you develop in this unit provide a foundation for more advanced units in later years. The study of torts law is required for admission as a legal practitioner in Australia.

### LLB103 Dispute Resolution

Anti-requisites	LWB150, LWB498
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b>

- SEM-1, XCH-1, XCH-2

This unit introduces you to non-adversarial approaches to practice and advocacy commonly used in legal practice. It also introduces you to the significant and positive role that lawyers play in society in upholding the rule of law and assisting people to resolve disputes. An understanding of these approaches is an important part of legal practice where lawyers must advise clients on the most effective way to deal with a dispute.

### LLB104 Contemporary Law and Justice

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

This unit provides a foundation for the development of your legal oral communication, critical thinking, and collaboration skills that will be further developed in later units including LLB203 Constitutional Law, LLB204 Commercial and Personal Property Law, and LLB303 Evidence. A key emphasis of the unit is on the interaction of Australia's first peoples with the Australian legal system and introducing you to Aboriginal and Torres Strait Islander legal knowledges and perspectives of law, which will be further examined in LLB106 Criminal Law, LLB301 Real Property Law, and LLB303 Evidence.

### LLB106 Criminal Law

Pre-requisites	LLB101 or LWB145
Equivalent s	LWB239, LWB238
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2, SUM-2 (Block) <b>External</b> - SEM-2, SUM-2

This core unit introduces you to the criminal law of Queensland. Knowledge of criminal law offences and defences/excuses is essential for understanding the type of behaviour that is permitted by the state. Criminal law content knowledge is required for your admission to legal practice.

### LLB107 Statutory Interpretation

Pre-requisites	LLB101. LLB101 can be studied in the same teaching period as LLB107
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

This unit introduces the foundational concepts of public law, the institutions of government and the rules and principles of statutory interpretation in Australia. Knowledge and skills relating to statutory interpretation are essential in legal practice. This unit provides a foundation for the development of your skills in statutory interpretation that will be further examined in more advanced units. This unit also develops your skills in legal research, written communication and problem solving that were introduced to



## Units

you in LLB101 Introduction to Law.

### LLB140 Human Rights Law

Pre-requisites	LLB101. LLB101 can be studied in the same teaching period as LLB140
Anti-requisites	LWB496
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-1

Most contemporary challenges are understood through a human rights claims. This unit is a first-year elective that provides a comprehensive introduction to human rights law with a particular focus on international human rights law and its translation to the Australian legal context. The unit provides an overview of the history and origins of human rights and international rights and obligations while remaining grounded in the contemporary events and challenges for human rights. The unit also examines the institutions, instruments and implementation structures of human rights at international, national and Queensland levels. Accordingly, this elective lays the groundwork for future legal professionals seeking to further justice and public interest goals in a variety of contexts.

### LLB141 Introduction to International Law

Pre-requisites	LLB101. LLB101 can be studied in the same teaching period as LLB141
Anti-requisites	LWB142, LWB144

requisites	
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

There are many ways in which the law operates in an international context. Issues of global concern such as climate change, terrorism and economic development require cooperation between nations through agreements and treaties. The increased internationalisation of communication, financial interests and business transactions means that individuals and companies are increasingly required to engage with the laws of other countries and that domestic legal systems must operate in an international context. In an increasingly globalised world it is important for you to understand how to identify, evaluate and apply the relevant law in international disputes and how international laws can impact on the Australian legal system. This unit builds on your knowledge of the Australian legal system introduced in LLB101 and extends it to the impact of other legal systems on the development of Australian law.

### LLB142 Regulation of Business

Pre-requisites	LLB101 or LWB145. LLB101 can be studied in the same teaching period as LLB142
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b>

es	- SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2
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This elective unit commences the process of educating you in matters of business and commercial law. It is intended to provide an overview of a number of critical areas in the study of business law. Further, this subject will provide you with theoretical and critical analysis skills. As a law graduate, you are increasingly required to have a strong knowledge base and understanding of business and commerce and have an understanding of how business operates within the context of the Australian legal system. This unit is intended to provide foundation skills and knowledge that are essential for an understanding of law and regulation as it applies to business.

### LLB202 Contract Law

Pre-requisites	LLB102 or LWB148
Anti-requisites	LWB136, LWB137
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

In this unit, you will examine how contract law operates in a contemporary real world context and practise skills of contract negotiation, interpretation and drafting, and legal problem solving. You will further develop the oral communication skills that were

introduced in LLB104 Contemporary Law and Justice. The knowledge and skills you develop in this unit also provide a foundation for later year units in the course, for example, LLB204 Commercial and Personal Property Law, LLB301 Real Property Law, LLB304 Commercial Remedies, and commercial law electives. An understanding of contract law is a requirement for admission to legal practice in Australia.

### LLB203 Constitutional Law

Pre-requisites	LLB105 or LLB107
Equivalent s	LWB242
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SUM (Block) <b>External</b> - SEM-1, SUM, XCH-1, XCH-2

An understanding of the role and scope of the Constitution and how to critically consider constitutional questions and problems, is critical to your understanding of how our nation functions politically. For example, the Constitution specifies who can stand for parliament, controls what politicians and public servants can and cannot do, provides the basis for Federal legislation and limits Federal and State governments in a number of ways. In this unit, you will further examine the principles of public law that were introduced to you in LLB101 Introduction to Law and LLB107 Statutory

Interpretation. Knowledge of constitutional law is also required for your admission as a legal practitioner.

### LLB204 Commercial and Personal Property Law

Pre-requisites	LLB202 or LWB137
Anti-requisites	LWB244
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

The knowledge and skills you develop in this unit provide a foundation for later year units in the course, for example, LLH305 Corporate Law, and electives in the commercial area. The study of the content in this unit is required for admission to legal practice in Australia.

### LLB205 Equity and Trusts

Pre-requisites	LLB202 or LWB137
Anti-requisites	LWB241, LWB240
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2, SUM (Block) <b>External</b> - SEM-2, SUM, XCH-1, XCH-2

This unit builds on LLB202 Contract Law and your studies in other common law units, with a focus on developing your critical analysis and legal writing skills. An understanding of equity and trusts is also required for admission to legal practice.

### LLB241 Discrimination and Equal Opportunity Law

Pre-requisites	LLB107, LLB105 or LWB146. LLB107 can be studied in the same teaching period as LLB241
Anti-requisites	LWB313
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

This unit is an examination of law and policy with respect to discrimination and equal opportunity in Australia. It covers both relevant international treaties and Australian domestic anti-discrimination and equal opportunity law. Due to its social, economic and political relevance, anti-discrimination and equal opportunity law is an increasingly significant feature of legal practice. It forms a contemporary adjunct to tort law and employment law. As a rights based area of the law, it introduces you to the domestic application of international human rights standards and fosters enthusiasm for the principle of equality and a sense of community rights and responsibilities.

### LLB243 Family Law

Pre-requisites	LLB101, LLB103 and LLB105 or LLB107 or LWB146.
Anti-requisites	LWB302
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b>

Family law professionals are involved in referring clients to dispute resolution processes and in assisting them to reach resolution in a way that minimises the conflict experienced by family members, particularly where there are children. They assist clients with resolving their parenting and financial issues and in applications to seek protection from family violence. This unit is important if you are considering working anywhere within the family law system or in general practice. It is a general law elective in the law degree.

### LLB244 Criminal Law Sentencing

Pre-requisites	LLB106 or LWB239
Anti-requisites	LWB494
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SUM-2 (Block) <b>External</b> - SUM-2

A knowledge of the principles of criminal law is fundamental to the practice of law. In order to practise in the criminal jurisdiction, a sound knowledge of the principles and procedures for sentencing offenders is essential. The sentencing of offenders is based on statutory and common law rules and criminological theories of punishment of offenders, as well as theories informing rehabilitation and responses to recidivism. Although this unit is

based on the principles underlying the sentencing process, there is also considerable emphasis on the practical application of these in the sentencing process. This unit, a general elective in the law degree, builds on knowledge and skills gained in the core criminal law unit.

### LLB245 Sports Law

Pre-requisites	LLB102 and LLB106. LLB106 may be studied at the same time as LLB245
Anti-requisites	LWB260, LWB460
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

Sports Law covers the application of a wide range of legal principles to a sporting context. You will have studied some of the principles at a general level in core units, allowing you to consolidate your knowledge, while other areas of the unit will be new. Sport-specific legal principles (for example, regarding doping) will also be covered. Sport is an area that is becoming increasingly business-orientated and litigious. If you plan to work as a manager, administrator or lawyer in the area of sports you will, in the course of your day-to-day activities, encounter a wide variety of situations that could have potential legal consequences. The unit will draw upon your knowledge of legal systems and torts law and your research skills.

### LLB247 Animal Law

Pre-requisites	LLB101, LLB104 and LLH201. LLH201 may be studied concurrently
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

This interdisciplinary unit explores the way that law regulates the interactions between human and non-human animals considering legal, ethical and philosophical frameworks. This unit will focus on Australian law, although international perspectives will be considered. The unit will examine the ways in which the law defines and regulates our use of animals, refining your skills in identifying deficiencies in animal law and building your capacity to provide advice on potential law reform. You will have the opportunity to explore the role of lawyers and the law in the context of this growing and dynamic field.

### LLB248 COVID-19 and the Law

Pre-requisites	LLB101
Credit Points	12
Campus	Online and External
Availabilities	<b>Online</b> - SUM <b>External</b> - SEM-2

The unit follows the life cycle of a pandemic, drawing on present-day examples, to develop students' knowledge of public health law. Using Australia's response to the coronavirus pandemic as a case study, students will develop knowledge of the



history of public health law and the entities tasked with pandemic preparedness. The unit will then examine the issues associated with pandemic responses, including the inherent tension between executive power and individual rights, and the impact on vulnerable communities. Finally, this unit analyses regulatory and ethical requirements relevant to vaccine development and vaccination. The unit involves a virtual placement with a community organisation to develop students' understanding of how public health law applies in a real-world context.

### LLB250 Law, Privacy and Data Ethics

Pre-requisites	
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SUM (Block) <b>External</b> - SEM-1, SUM

We live in an era where major advances in data-driven technologies are fundamentally changing many aspects of society. These technologies are not only becoming crucial to many businesses, which seek new avenues for creating competitive advantages and value, but also increasingly enmeshed in aspects of our everyday lives. This unit, therefore, explores the legal, ethical and social challenges raised by data-driven technologies in two main parts. The first centres on the

information privacy law issues that arise from large-scale collection and aggregation of person information the second relates to the application of data analytics. Exploration of the challenges raised by different technologies across both parts of this unit are guided by broader considerations of fairness, accountability and transparency (FAT).

### LLB251 Law and Design Thinking

Pre-requisites	LLB104, LLB106 and LLB202. LLB202 can be studied in the same teaching period as LLB251
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

Learning to 'think like a lawyer' is an important part of a law degree, but it is not the only way to solve legal problems. Lawyers are increasingly being called upon to think about legal problems in new ways and to be creative and innovative in developing solutions. Law and design thinking will introduce students to a five-step methodology that takes a human-centred approach to problem solving. The focus of the unit is on access to justice, but the same methodology can be used in any legal, business, technology, innovation, or personal context. Students will undertake a major project, in self-selected collaborative teams, to develop an innovative and human-centred solution to a legal problem.

This unit provides students with the knowledge and skills they need to design new solutions to improve access to justice or respond to other complex legal problems.

### LLB301 Real Property Law

Pre-requisites	(LLB204 and LLB205) or LWB241
Anti-requisites	LWB243, LWB244
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SUM (Block) <b>External</b> - SEM-1, SUM

Real Property Law is a core unit in the law degree. It is required for admission to legal practice in Australia. Real property law is a significant part of legal practice in government departments, in-house positions, general practice and specialised law firms. Being able to learn and apply the foundations of real property will enable your understanding and application in other specialist areas of law, for example, family law, environmental law, corporations law, bankruptcy law and succession law (wills and estates).

### LLB303 Evidence

Pre-requisites	LLB106 or LWB239
Equivalent	LWB432
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2, SUM (Block), SUM-2 (Block) <b>External</b> - SEM-2, SUM, SUM-2



## Units

Evidence is a core unit in the law degree. Knowledge of the rules of evidence and of the procedures by which it must be tendered and dealt with in court is necessary for the conduct of litigation as either a barrister or a solicitor and for admission to practice. This unit builds upon your study of criminal procedure in LLB106 Criminal Law.

### LLB304 Commercial Remedies

Pre-requisites	(LLB204 and LLB205) or LWB241
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

An understanding of the law of remedies, including remedies available under the common law, equity and statute, is central to your ability to support common commercial practice and assist with the effective resolution of commercial disputes. It is also necessary for any legal practitioner.

### LLB306 Civil Procedure

Pre-requisites	LLB103 and LLB202
Anti-requisites	LWB431
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

An understanding of civil procedure is required for admission to legal practice. This core unit draws on knowledge gained throughout

the degree including contract law, torts, statutory interpretation and dispute resolution skills. This unit will develop your knowledge and understanding of procedural law in Australia and extend your skills from earlier studies in law units, such as critical analysis and dispute resolution in LLB101, LLB102 and LLB103 and negotiation in LLB202 Contract Law.

### LLB341 Artificial Intelligence, Robots and the Law

Pre-requisites	LLH201
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-2

As new technologies such as artificial intelligence and robotics become more infused in our business, government and social lives, difficult legal, ethical, regulatory and policy questions arise. Developments in machine learning, computer vision, natural language processing, and robotics raise interesting and urgent issues surrounding the regulation of automated decision-making, privacy, liability and insurance, competition and consumer regimes, and the future of work. This unit considers the application of existing legal and regulatory principles but also the possible need for new principles and regulatory tools. Students will consider developments and innovations in these new technologies, and how the law might be asked to

respond.

### LLB344 Intellectual Property Law

Pre-requisites	LLH201 or LWB146. LLH201 can be studied in the same teaching period as LLB344
Anti-requisites	LWB486
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1, XCH-2

Intellectual property law is the umbrella term that encompasses the legal rights and responsibilities of creators and users of intangible goods. This subject provides you with the ability to identify issues and apply the law in the key areas of intellectual property law, including copyright and related rights, patents, trademarks, designs, and confidential information. By developing a broad understanding of these key areas of law, you will become familiar with the main structure of intellectual property law as a basis for providing advice in practice. Importantly, since this area of law is in a continual and rapid state of development, this subject is also designed to enable you to identify competing policy interests and evaluate potential changes to intellectual property law in a connected society.

### LLB345 Regulating the Internet

Pre-requisites	LLH201 or LWB146. LLH201 can be studied in the same teaching period as LLB345
Anti-requisites	LWB482

## Units

requisites	
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2

This unit examines how society regulates the Internet. As the Internet has become more vital to business, government and social life, difficult legal and policy questions have arisen about its governance. This unit will consider the application of existing legal principles to cyberspace, as well as newly developed *sui generis* principles and governance regimes. Knowledge of these legal issues is of increasing importance in many areas of legal practice, industry and to society more generally. This unit is a core unit for the new Law, Technology and Innovation minor and a general law elective for the undergraduate law degree. It will be beneficial to you if you are intending to practise in media and communications, intellectual property or technology law, or another area of law that involves significant interaction online. This unit will also be beneficial if you intend to work in the public sector in relation to the regulation of technology and communications networks.

### LLB346 Succession Law

Pre-requisites	LWB241 or LLB205
Anti-requisites	LWB309
Credit Points	12

Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

Our legal system is premised on the right of individuals to own private property. As succession deals with the legal consequences of death on a person's property, it is a natural and logical part of a complete course in real property. It has links to other important areas of law, namely equity and trusts and family law, and is considered by some to be a branch of family law, because the redistribution of property usually occurs in the family context. Succession is a strongly developing area of legal practice. Family provision actions are increasing as many more persons challenge will dispositions or inheritance by way of intestacy on the grounds of inadequate provision. Estate planning is becoming a major area of practice. The notion of what is the 'estate' at death is a developing area of law, with some *inter vivos* transactions being set aside as unconscionable bargains or contracts being of limited effect. The effect of these developing remedies is to increase the 'estate' available to be distributed at death. Some states have an expanded concept of a 'notional estate', which may be introduced in Queensland with the development of Uniform Probate Laws. Succession with its links to real property, equity and family law will assist you to see the links connection

between different areas of law.

### LLB347 Taxation Law

Pre-requisites	LLB101
Anti-requisites	AYB325, AYB219, LWB364
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1, XCH-1, XCH-2

Taxation law is a fundamental part of general commercial practice. Therefore, knowledge of taxation legislation and its commercial application to the business environment is required. Awareness of the incidence of Commonwealth and State taxes, including income tax, capital gains tax and stamp duty, is essential in order to give advice in relation to commercial and domestic transactions.

### LLB440 Environmental Law

Pre-requisites	LLH206 or LWB335
Anti-requisites	LWB485
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

The aim of this unit is to enable you to understand the concepts and principles of environmental law and how they apply to contemporary environmental issues. This unit builds on the legal research skills gained in LLH201 Legal Research and the understandings of judicial review and skills in statutory

## Units

interpretation of legislation from LLH206 Administrative Law. This unit will be beneficial if you are intending to practise in environmental, planning, property or construction law, or if you intend to work in the public sector in relation to the management of pollution, land or natural resources.

### LLB447 International Arbitration

Pre-requisites	LLB204 or LWB243
Anti-requisites	LLB445
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

With globalisation comes increasing movement of people, goods, services and investments across national borders. Along with this increased mobility has been an increase in legal disputes that have a cross-border element. The unit assumes knowledge of basic substantive law in the areas of torts, contract, constitutional law and property law. A thorough knowledge will assist you in determining the jurisdictional options that may be available, thereby better advantaging a client involved in international arbitration. It is therefore essential to understand the nature, law and practice that have developed in relation to cross-border disputes.

### LLB460 Competition Moots A

Pre-requisites	LLH201 or LWB146
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Anti-requisites	LWB418
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM <b>External</b> - XCH-1, XCH-2

Mooting is a fundamental element of legal education. As a good student mooter at QUT, you have the opportunity, because of the number of national and international competitions that the QUT Law School is invited to participate in, to take your skills to the national and international arena and experience mooting at the highest level. Each international and national moot that you participate in requires significant preparation and attention to detail. This unit is one of a number of work integrated learning units designed to provide you with the experience of using and developing your legal knowledge and skills in a real world context. Mooting will provide you with an authentic learning experience with direct application in real world legal environments. Through this experience you should be better placed for a smooth transition to the workplace.

### LLB461 Competition Moots B

Pre-requisites	LLH201 or LWB146
Anti-requisites	LWB419
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM

Mooting is a fundamental element of legal education. As a good student mooter at QUT, you have the opportunity, because of the number of national and international competitions that the QUT Law School is invited to participate in, to take your skills to the national and international arena and experience mooting at the highest level. Each international and national moot that you participate in requires significant preparation and attention to detail. This unit is one of a number of work integrated learning units designed to provide you with the experience of using and developing your legal knowledge and skills in a real world context. Mooting will provide you with an authentic learning experience with direct application in real world legal environments. Through this experience you should be better placed for a smooth transition to the workplace.

### LLB463 Legal Clinic (Organised Program)

Pre-requisites	LLB104 and (LLB105 or LLB107)
Anti-requisites	LWB456
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit will enable you to experience the real world application and development of your legal knowledge and skills through participation in a community justice project. You will work with a small group of students to assist a community



legal centre or not-for-profit organisation to develop resources, undertake law reform, community legal education or other service-learning project. You will undertake legal research, draft reports, attend relevant events, prepare presentations, and other tasks under supervision. This unit affords you an authentic learning context to undertake pro bono work in a real world legal environment. Through this experience you should develop skills to be better placed for career planning and transition to the workplace. You will need to enrol in this unit in order to apply for a project. However, your enrolment does not guarantee that you will be allocated to a project and will be able to undertake this unit.

**LLB464 International Legal Placement**

Pre-requisites	LLB104 and (LLB105 or LLB107)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit is a work integrated learning (WIL) unit and provides you with opportunities to undertake short-term international externships, field placements and study tours overseas. Students can either apply for one of the advertised placement opportunities or can organise their own international placement with a local in-country organisation (subject to approval by the unit coordinator). Placement experiences cover a broad

range of international work experiences, including community legal education, human rights advocacy, research and global policy, comparative law and business. The distinguishing features of this unit are the focus on experiential learning in another country, and the requirement to complete a minimum of 60 hours work either in-country or through a combination of in-country work and related research at home.

**LLH201 Legal Research**

Pre-requisites	LLB105 or LLB107
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

In this unit, you will further develop the problem-solving and research skills which were introduced in your first year and apply them to ill-defined problems. You will also have the opportunity to reflect on your career goals and strategically build your skills to enhance your employability. You will then have the opportunity to reflect on and expand your career goals in LLH401 Legal Research Capstone.

**LLH206 Administrative Law**

Pre-requisites	(LLB203 and LLH201) or LWB242
Anti-requisites	LWB335
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b>

es	- SEM-2, SUM (Block), SUM-2 (Block) <b>External</b> - SEM-2, SUM, SUM-2
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This unit examines the manner in which the executive branch of government is legally accountable, particularly in its dealings with individuals. The unit builds on key principles studied in LLB203 Constitutional Law concerning the structure and operation of our federal system of government, in order to focus on judicial and extra-judicial means of reviewing administrative action. An understanding of administrative law is required for admission into legal practice in Australia.

**LLH302 Ethics and the Legal Profession**

Pre-requisites	LLH201 or LWB146. LLH201 can be studied in the same teaching period as LLH302
Anti-requisites	LWB433
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SUM (Block) <b>External</b> - SEM-1, SUM

This unit is a core unit in the law degree and is required for admission to legal practice in Australia. It builds on the legal research and critical analysis skills developed in LLB104 Contemporary Law and Justice and LLH201 Legal Research.

**LLH305 Corporate Law**

Pre-requisites	(LLB204 and LLH201) or LWB244
Anti-requisites	LWB334
Credit	12



## Units

Points	
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2, SUM (Block) <b>External</b> - SEM-2, SUM

Corporate Law is designed to provide you with knowledge and understanding of the key legal principles and policy issues relevant to registered companies. This unit is a compulsory area of study in the law degree and is required for admission as a legal practitioner.

### LLH401 Legal Research Capstone

Pre-requisites	LLH302
Credit Points	24
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM (Block) <b>External</b> - SEM-1, SEM-2, SUM

The final year capstone experience will support you in your transition from university to professional work. You will consolidate your legal knowledge and skills by responding to real-world legal problems and developing your professional reflection skills. You will develop an awareness and appreciation of the impact that technology is having, and will continue to have, on the way law is practised. Whether you see your future career in a law firm, community legal centre, law reform commission, government department, research institution, or somewhere else, you will need to understand the technology that is being used in practice

and the ethical obligations that accompany their use. You will also broaden your capabilities in planning, developing and completing a complex research project.

### LLH471 Health Law and Practice

Pre-requisites	LLH401 or LWB335. LLH401 can be studied in the same teaching period as LLH471
Anti-requisites	LWB483
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

In this honours elective unit, you will apply the skills of communication, legal reasoning, critical and creative thinking, and research project management developed throughout the degree and consolidated in LLH401 Legal Research Capstone. You will also develop advanced knowledge in relation to health care law, building on the knowledge from LLB102 Torts. The relationship between the provider of health services and the patient has, in recent times, become more complex and there is consequently a significantly growing field of related legal scholarship and litigation.

### LLH472 Public International Law

Pre-requisites	LLH401 or LWB335. LLH401 can be studied in the same study period as LLH472
Anti-requisites	LWB406

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SUM (Block) <b>External</b> - SEM-1, SUM

As Australian legal practitioners can increasingly expect to work within a global context, an understanding of this area of law is important for all practitioners. A good understanding of public international law is also essential for anyone wishing to work with an international organisation. As an advanced law elective, Public International Law will develop advanced knowledge of how international law is created and develops, and how it is applied by governments, legislatures, courts and international agencies.

### LLH473 Independent Research Project

Pre-requisites	LLH401. LLH401 can be studied in the same teaching period as LLH473
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM (Block) <b>External</b> - SEM-1, SEM-2, SUM

This unit provides you with the advanced research and writing skills needed for enrolment in higher degree research programs and for the legal profession. As an advanced Honours elective, this unit builds upon the research and higher order thinking skills developed in other Honours units, including LLH201 Legal

Research.

### LLH474 Insolvency Law

Pre-requisites	LLH401 and (LLH305 or LWB334). LLH401 and LLH305 can be studied in the same teaching period as LLH474
Anti-requisites	LWB307
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

An understanding of the principles of insolvency and restructuring law will assist you to gain a more complete grasp of the legal system, particularly in a commercial context. Knowledge of the law as it applies to both personal and corporate insolvency provides opportunity to develop your skills in a range of legal areas as well as providing a base for those interested in working in this specialised field.

### LLH475 Theories of Law

Pre-requisites	LLH401 or LWB335. LLH401 can be studied in the same teaching period as LLH475
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

This unit advances your understanding and appreciation of the philosophical and theoretical foundations of the law. These notions guide the development of the policies underlying law, and inform changes to law

through legislative and judicial action. This advanced elective is placed in the final year of the course as it builds on your existing attributes, skills and substantive knowledge, and develops these to a higher level.

### LLH478 Advanced Criminal Law - Principles and Practice

Pre-requisites	LLB106 and LLH401. LLH401 can be studied in the same teaching period.
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

A knowledge of criminal law and procedure is a requirement for admission to legal practice. Advanced knowledge of criminal law requires an understanding of the rapidly evolving, theoretical and applied contexts for those seeking to work within the criminal justice system. This advanced elective unit examines the changing role of the lawyer, judge and other justice professionals within the specialist criminal courts, lists and jurisdictions through the critical lens of therapeutic jurisprudence – in light of such developments as: problem solving and treatment courts, neurolaw, diversion programs, predictive algorithms and risk management tools.

### LLH479 Research Thesis Extension

Pre-requisites	
Credit Points	24

Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

This unit will develop students' independent research and writing skills. It is for students considering a future career conducting research and managing research projects in public, community and private enterprises. The unit culminates with the production of a 10 000 word thesis. Completion of the thesis (and award of a 1 or 2A Honours) will be a strong basis for an equivalence argument entry into Australian and overseas PhD programs. This unit builds upon the research and writing skills and experiences in the earlier honours courses, by applying the knowledge and experience to a supervised research project. Research topics will be nominated by supervisors. You will need to enrol in this unit in order to apply for a research project. However, your enrolment does not guarantee that you will be allocated to a research project and will be able to undertake this unit. Projects will be allocated by the end of week 1.

### LPP111 Lawyers' Skills

Anti-requisites	LPZ111
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - FP02A, FP08A <b>External</b> - FP02A, FP03A, FP08A, FP09A

The Australasian Professional

Legal Education Council (APLEC) and the Law Admissions Consultative Committee LACC) have published standards for the pre-admission practical training of Australian legal practitioners. Those standards have been adopted in Queensland as part of the admission rules for the legal profession. This unit covers the skills area of 'Lawyer's Skills' as contained in those standards.

### LPP112 Work Skills

Anti-requisites	LPZ112
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - FP02A, FP08A <b>External</b> - FP02A, FP03A, FP08A, FP09A

The Australasian Professional Legal Education Council (APLEC) and the Law Admissions Consultative Committee (LACC) have published standards for the pre-admission practical training of Australian legal practitioners. Those standards have been adopted in Queensland as part of the admission rules for the legal profession. This unit covers the values of Ethics and Professional Responsibility and the skills areas of Trust and Office Accounting and Work Management and Business Skills as contained in those standards.

### LPP113 Civil Litigation

Anti-requisites	LPZ113
Credit Points	12

Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - FP05A, FP10A <b>External</b> - FP05A, FP05A, FP10A, FP11A

The Australasian Professional Legal Education Council (APLEC) and the Law Admissions Consultative Committee (LACC) have published standards for the pre-admission practical training of Australian legal practitioners. Those standards have been adopted in Queensland as part of the admission rules for the legal profession. This unit covers the core practice area of 'Civil litigation practice' as contained in those standards.

### LPP114 Commercial

Anti-requisites	LPZ114
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - FP05A, FP10A <b>External</b> - FP03A, FP05A, FP05A, FP08A, FP10A, FP11A

The Australasian Professional Legal Education Council (APLEC) and the Law Admissions Consultative Committee (LACC) have published standards for the pre-admission practical training of Australian legal practitioners. Those standards have been adopted in Queensland as part of the admission rules for the legal profession. This unit covers the core practice area of 'Commercial and Corporate Law Practice' as contained in those standards.

### LPP115 Property

Anti-requisites	LPZ115
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - FP05A, FP10A <b>External</b> - FP05A, FP05A, FP10A, FP11A

The Australasian Professional Legal Education Council (APLEC) and the Law Admissions Consultative Committee LACC) have published standards for the pre-admission practical training of Australian legal practitioners. Those standards have been adopted in Queensland as part of the admission rules for the legal profession. This unit covers the core practice area of 'Property Law Practice' as contained in those standards.

### LPP116 Electives

Anti-requisites	LPZ116
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - FP05A, FP10A <b>External</b> - FP03A, FP05A, FP05A, FP08A, FP10A, FP11A

The Australasian Professional Legal Education Council (APLEC) and the Law Admissions Consultative Committee (LACC) have published standards for the pre-admission practical training of Australian legal practitioners. Those standards have been adopted in Queensland as part of the admission rules for the legal profession. This unit covers the 'Elective' practice areas as contained in those



standards.

### LPP117 Interaction

Anti-requisites	LPZ117
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - FP05A, FP10A <b>External</b> - FP05A, FP05A, FP10A, FP11A

A competent legal practitioner has an ability to manage her or his client's matter in a cost and time-efficient manner and in a manner that reduces risk for both the client and practitioner. A competent legal practitioner also has the ability to communicate effectively with clients, peers and bodies such as courts. This unit seeks to extend your abilities in these areas above the threshold required for admission to the legal profession.

### LPP118 Placement

Anti-requisites	LPZ118
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>External</b> - 6TP1, FP06A, FP12A

The Australasian Professional Legal Education Council (APLEC) and the Law Admissions Consultative Committee (LACC) have published standards for the pre-admission practical training of Australian legal practitioners. Those standards have been adopted in Queensland as part of the admission rules for the legal profession. The standards require all persons undertaking

practical legal training in an institutional course to complete a placement in a law office.

### LQB180 Foundations of Biochemistry

Anti-requisites	CVB102 and CZB190
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

As part of your foundational level studies and training in disciplines related to biomedical and health sciences, you need to develop knowledge and comprehension of biochemistry in order to describe and explain the biomolecular composition of cells that constitute living systems, such as the human body, the structural nature of biomolecules, and the functions of biomolecules in essential life processes.

### LQB181 Introduction to Medical Laboratory Science

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Medical laboratory scientists work in clinical diagnostic pathology, performing laboratory based tests on tissue(s) or bodily fluids e.g. tissue biopsies, blood or urine. These assist medical practitioners and allied healthcare workers in the diagnosis of disease, management of patient care

and ongoing research into disease. Up to 70% of medical treatments are based on a pathology diagnosis. This first year unit introduces you to the profession of medical laboratory science, the clinical practice of diagnostic pathology and your LS47 course. You will visit a pathology laboratory and learn about diverse career opportunities from industry scientists. In a case-study scenario, you will learn and apply laboratory skills required to practice in clinical pathology. You will also be introduced to personal and academic support resources to support transition into first year and the rest of your course at QUT, and academic skills including information literacy and digital technologies.

### LQB182 Cell and Molecular Biology

Equivalent s	LQB186
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Cell and molecular biology is an exciting, rapidly evolving, and major field in biomedical disciplines and this unit will expose you to modern examples of applications of cell and molecular biology in medical and research settings. There will be an emphasis on the development of practical skills and knowledge that will support your learning of fundamental concepts



understanding of cell and molecular biology is required for further study in many areas, including the study of clinical sciences, biochemistry, and human physiology. Importantly, this unit will provide you with a strong foundation of knowledge regarding cells, their structures and functions that is applicable to many professional disciplines, including pharmacy, podiatry, optometry, nutrition and dietetics, business, law, humanities, and creative industries.

### LQB183 Human Systematic Anatomy

Equivalent s	LSB131, LSB255
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Derived from the Greek language to literally mean 'to cut up', Anatomy is the science of morphology or structure of an organism and its various parts. Study of human systematic anatomy requires the identification and description of biological structures of the human body through an investigation of functional organ systems, such as the cardiovascular, nervous and skeletal systems. This unit will introduce anatomy as a language that enables biologists and medical professionals to effectively communicate with each other in health practice through the acquisition and application of appropriate anatomical terminology to a range of audiences. This introductory

unit therefore provides appropriate foundational knowledge and skills in anatomy for students enrolled in science or health courses in their first year of study through the investigation of organ structure using macroscopic and microscopic anatomy. It is an essential prerequisite for further study in anatomical sciences.

### LQB184 Biomedical Skills 1

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This introductory unit will provide the foundational knowledge and skills required to equip students for further studies in biomedical sciences. The unit aims to develop an understanding of the importance of biomedical science and an appreciation of career opportunities for biomedical scientists. You will also obtain insight into the importance of academic integrity and ethics (as these relate to biomedical science) and commence your development of key academic competencies such as learning skills, scientific literacy and scientific communication. This unit will also provide you with an overview of cultural diversity as well as an introduction to Aboriginal and Torres Strait Islander knowledges, experiences and perspectives. During the semester you will also be introduced you to some of the quantitative skills (measurement, data analysis

and biostatistics) and practical skills and competencies required by biomedical scientists that are expanded upon in Biomedical Skills 2 (LQB286).

### LQB185 Anatomy and Physiology for Health Professionals

Equivalent s	LSB182, LSB142, LQD185
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This introductory unit explores the structure (anatomy) and functions (physiology) of the human body, by providing students with opportunities to investigate the major organ systems necessary for life. A focus on medical language development will underpin the learning in this unit, where students will develop the ability to effectively communicate anatomy and physiology concepts in health care environments. This first-year unit provides the foundational knowledge of organ function in health to prepare students for more advanced units-such as LQB285 Pathophysiology for Health Professionals, which covers the processes of diseases relevant to the Australian National Health Priority Areas-and students' development as health professionals.

### LQB186 Human Cell & Molecular Biology

Equivalent s	LQB182
Credit	12

## Units

Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Human cell and molecular biology is a rapidly evolving field in biomedical research and this unit will introduce you to the basic principles underpinning cell biology, molecular biology and genetics. There will be an emphasis on the development of skills that are required by all biomedical scientists. A basic understanding of cell and molecular biology is required for further study in many areas, including the study of biochemistry, microbiology, anatomical sciences and physiology and this unit will provide you with a strong foundation for further study in cell biology, molecular biology and genetics.

### LQB201 Microbiology and Infection Control for Podiatrists

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Podiatrists require a strong knowledge base in microbiology on which to base future studies within their discipline and for their professional practice. A detailed knowledge of infectious agents, their structure, prevalence and pathogenicity will enable you to apply these concepts to infection control to prevent the transmission of disease and to understand the mode of action of antimicrobials. You will also study infectious agents that are

aetiological agents of disease states of public health significance or of the feet, and appropriate methods for the management and treatment of these disease states. Basic knowledge of biology and chemistry is assumed for this unit.

### LQB280 Genes, Genomes and Genetics

Pre-requisites	LQB182 or LQB186
Equivalent s	LQB385
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Molecular genetics underpins the diagnostics and treatment of many inherited and acquired diseases. Central to the approaches currently being applied to understand complex life processes is the ability to interrogate and interpret the molecular genetic information stored in DNA, RNA or protein (i.e., bioinformatics and genomics). Such information not only underpins our identification and understanding of the particular disease state but also points to potential options for treatment. Higher-level studies in the life sciences, and specifically the health-related sciences, require an understanding of these basic theoretical and practical concepts and approaches to interrogating the genomes of humans and other organisms.

### LQB281 Human Health & Disease Concepts

Credit	12
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Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The unit complements the material covered in human cell and molecular biology, anatomy and physiology in the first year of your studies. An important aspect of clinical practice and/or research is a broad knowledge and understanding of human disease states, the role of microbes in health and disease, and how the immune system functions to maintain health and fight disease. As part of your early biomedical sciences training, you need to appreciate general disease processes to help you prepare for your more advanced units in immunology, microbiology, pathology and/or a range of biomedical science disciplines. Whether your aim is to be a clinical or research scientist, appreciation of pathological processes will enable you to better understand how we identify, measure and manage diseases clinically and in a research context.

### LQB285 Pathophysiology for Health Professionals

Pre-requisites	LQB185 or LSB182 or LQD185
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit will introduce students to pathophysiology (study of disease processes), and will address the predominant disorders affecting Australians across the lifespan, particularly

those identified by the National Health Priority Areas as contributing significantly to disability and death in Australia. This unit will build on foundational knowledge of the normal structure and function of the human body developed in Anatomy and Physiology for Health Professionals (LQB185). An understanding of diseases gained within this unit will prepare students for subsequent health assessment and nursing practice within the Integrated Nursing Practice units.

### LQB286 Biomedical Skills 2

Pre-requisites	LQB184
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Biomedical Skills 2 further develops key academic literacy, practical and quantitative skills which are required for practicing biomedical scientists. The unit provides opportunities to apply these skills through collaborative work, development of teamwork skills, effective interpersonal skills and scientific communication. This unit is designed to expand students' knowledge of important skills and competencies, including studies in quantitative data analysis, biostatistics and health bioinnovation that provide a strong foundation for continuing studies in the broad range of biomedical disciplines and related health areas.

### LQB292 Principles of Infection and Immunity

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Infection and immunity is the study of pathogenic organisms and how human immune mechanisms mediate disease progression. This area of study requires the co-ordinated knowledge of both microbiology and immunology to fully understand microbial detection, disease progression and ultimately treatment and prevention. Both research and industry career options in infection and immunity require a solid understanding of theoretical and practical aspects of microbiology and immunology.

### LQB301 Medical Microbiology and Infection Control

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Microorganisms continue to be an important cause of human morbidity and mortality in the healthcare system, while also posing an occupational risk for healthcare professionals. In your clinical practice as a healthcare professional, a broad knowledge and understanding of infectious diseases is fundamental to developing strategies to successfully prevent, treat and

reduce the risk of transmission and infection-associated sequelae in the community and in healthcare facilities. This introductory unit provides you with foundational knowledge on the range of microorganisms affecting human health and disease, alongside the methods used to limit the growth and transmission of microbial pathogens. This foundational knowledge underpins the practical experience you will gain in dealing with microorganisms in your subsequent clinical practice units of your degree.

### LQB362 Principles and Practice of Infectious Diseases

Pre-requisites	LQB281 or LQB292 or BVB101
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Medical microbiology involves research into human infectious diseases from multiple viewpoints, including: spectrum of disease, diagnosis, aetiology, treatment, prevention, control and epidemiology. An integral part of the practice of medical microbiology is the laboratory processing of specimens derived from patients with infectious diseases. Ultimately you will need to have both a comprehensive and in-depth knowledge and understanding of theoretical concepts in infectious disease microbiology and be able to apply that knowledge and understanding



safely, competently and skilfully in a PC2 diagnostic laboratory context.

### LQB381 Biochemistry

Pre-requisites	LQB180 or CZB190 or CSB432 or (CVB101 and CVB102)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The study of biochemistry provides you with the knowledge to fully appreciate the structure and function of biological macromolecules and their roles within living cells. You will acquire an appreciation on how these processes impact the cellular function and metabolism of the cells and tissues of the human body and how this may impact health and disease. This unit builds on the chemistry and biology elements of first year units and prepares you with a broad foundational knowledge for the study of biochemistry and allied disciplines of biomedical and health sciences.

### LQB382 Developmental Anatomy and Tissue Adaptation

Pre-requisites	LQB183 or LSB255 or LQB185 or LSB131
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The human body is very

responsive to its environment, both in terms of genetic cues during embryological development and hormonal and mechanical signals during post-natal ageing. This unit will explore a number of key embryological processes where tissue patterning results in the formation of the nervous, muscular, skeletal and cardiovascular organ systems, and provides the foundational understanding of the mechanisms responsible for anatomical variability in the human body. Furthermore the ability of tissues to adapt to their environment will be discussed by building understanding of tissue biomechanics and the effects of trauma and ageing on the human body; where you will have the opportunity to design, implement and analyse experimental data in a bone strength research project. This developmental unit builds on foundational knowledge gained in first year anatomy and provides keystone knowledge and skills to advance into further units in Anatomical Sciences.

### LQB385 Molecular Biology and Bioinformatics

Pre-requisites	LQB182 or LQB186 or BVB101
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Products of the biotechnology revolution underpin our everyday life: disease

diagnostics, vaccines, drugs, forensics, biomaterials, foodstuffs, environmental rehabilitation and even bioterrorism. Central to the revolutionary approaches currently being applied to unravel, as well as re-engineer, complex life processes are the ability to interpret the information stored in DNA and protein molecules (i.e., bioinformatics) and to manipulate these molecules using genetic engineering techniques. Higher-level studies in the life sciences, and specifically the health-related sciences, require an understanding of the basic approaches to interrogating the genomes of Man and other organisms, and manipulating component genetic sequences.

### LQB387 Principles of Immunology

Pre-requisites	LQB281 and LSB250
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Many aspects of human health and disease rely on the interaction of the components of the immune system. The principles of some of these interactions are also used in the laboratory for the diagnosis of disease states. In order for you to work effectively and with confidence as a medical laboratory scientist it is essential you have knowledge relating to the immune system and application of basic



immunological procedures. This unit is positioned in the introductory phase of the course and assumes knowledge and practical skills from your first year units LSB250 and LQB281. This unit also provides you with critical foundation knowledge and practical skills for the clinical units LQB462, LSB466, LQB562, LSB555, LSB566, LSB625, LQB683, LSB655, LSB665 and Work Integrated Learning Internship in later Semesters of the course.

### LQB388 Medical Physiology 1

Pre-requisites	LSB258 or LSB111 or LSB131 or LSB142 or LSB255 or LQB185
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

An appreciation of how the human body works is an important prerequisite to understanding the basis of health, disease, diagnostic technologies and treatment strategies. This unit deals specifically with the physiological systems that are responsible for the maintenance of health in humans. It therefore provides a useful frame of reference for students enrolled in biomedical science, pharmacy, human movement science, nutrition science, nutrition and dietetics or any of the biological science majors. In the course of the semester you will investigate half the systems that constitute the human body with the

remainder dealt with in the second semester unit Medical Physiology 2 (LQB488).

### LQB389 Regional and Sectional Anatomy for Radiation Therapy

Pre-requisites	LSB142
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

A detailed knowledge and understanding of regional and cross-sectional anatomy is a basic requirement for radiation therapists working in clinical and diagnostic settings to excel in their performance in radiotherapeutic procedures. This unit exposes the student to the theoretical and practical concepts of the anatomical regions of the human body. These regions include the head, neck, back, thorax, abdomen, pelvis and perineum, with a focus on the lymphatic system.

### LQB390 Regional and Sectional Anatomy for Medical Imaging

Pre-requisites	LSB142
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

A detailed knowledge and understanding of regional and cross-sectional anatomy is a basic requirement for diagnostic and therapeutic radiographers to excel in their performance in imaging procedures. This unit exposes the student to theoretical and practical concepts of the

anatomical regions of the human body. These regions include the head, neck, back, thorax, abdomen, pelvis and perineum, and the upper and lower limbs with a focus on the major joints.

### LQB450 Foundations of Pharmacology

Pre-requisites	LSB250 or LSB111 or LQB281
Equivalent s	
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

An understanding of how medicines work forms the basis of recognising clinical effects and adverse reactions. All members of the community have a responsibility in understanding drug action as consumers and health professionals. The work of health professionals is variable but may include communicating with consumers about their medicines, monitoring subjects, accurately reading and interpreting medical charts, checking doses, administering medicines, and monitoring for effects such as adverse drug reactions. They need confidence in these areas in order to have discussions with their patients and other health professionals, especially prescribers. This unit provides the principles of pharmacology which will prepare you for your role as a health care professional, medical scientist and/or consumer in administering and monitoring

medicine use to improve health outcomes for Australians in accord with quality use of medicines.

### LQB462 Microbial Diagnostics

Pre-requisites	LQB362
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Medical microbiologists investigate microorganisms, those found within a human host as normal regional flora and those that cause human infectious diseases. This unit will introduce you to the diversity of microorganisms, the spectrum of infectious disease states, methods for the detection and identification of aetiological agents, and directed and supportive therapies for treating infections. In this unit you will develop expertise in the laboratory techniques applied in the diagnostic microbiology laboratory, the ability to interpret the significance of diagnostic testing results, and to communicate these results and your recommendations to medical professionals. This unit is positioned in the developmental phase of your course and assumes proficiency in the laboratory skills and theoretical learning from first and second year in LQB181, LQB281 and LQB362. Combined with LQB562 in third year, LQB462 will prepare you for employment in a diagnostic microbiology laboratory.

### LQB481 Biochemical Pathways and Metabolism

Pre-requisites	LQB381
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The study of biochemistry, along with cell and molecular biology, provides you with the knowledge required for an effective understanding of the structure and function of living organisms at the molecular level. This unit advances the studies begun in LQB381 Biochemistry and further develops your knowledge and understanding of biochemical and molecular studies into metabolic pathways and processes occurring in living cells with a focus on human metabolism in health and disease. This unit provides you with a knowledge base and skills for advanced studies in biochemistry, as well as support for higher level units in life science and allied health courses.

### LQB482 Anatomical Imaging

Pre-requisites	LQB183 or LSB131 or LSB255 or LSB182 or LQB185
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

In order to recognise human pathology in a clinical setting,

an understanding of the anatomical presentation of organs in health is essential. This unit focuses on the acquisition and application of knowledge of the organ systems of the thorax, abdomen, head and select regions of the limbs to a medical imaging context. Imaging modalities in plain and contrast radiography, computed tomography and magnetic resonance imaging will be explored to understand the context of their application in the clinical setting. Furthermore an understanding of typical patterns of anatomical variation will be examined through case studies and exploration of human donor material, where you will further develop effective teamwork and self-management skills, essential attributes of clinicians and biomedical scientists. This unit will build on your knowledge gained in first level anatomy and provide relevant knowledge and skills for more advanced studies in Anatomical Sciences.

### LQB485 Cell Biology

Pre-requisites	LQB385
Equivalent s	LQB584
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Understanding the role of cells and how their cellular components are fundamental

to a healthy life is crucial for your understanding of how they become dysregulated in disease and how individual components might be targeted to treat diseases. This unit builds on your knowledge of cellular components to examine how these come together structurally and functionally to build cells and tissues that function as part of a whole organism capable of surviving and protecting itself from disease and trauma. It will provide a platform for students undertaking the final year cell and molecular biotechnology units. This unit will provide hands on laboratory experience working with cells and will enhance skills in assessing, summarising and placing biomedical research in the context of health and disease.

### LQB488 Medical Physiology 2

Pre-requisites	LQB388
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

An appreciation of how the human body works is an important prerequisite to understanding the basis of health, disease, diagnostic technologies and treatment strategies. This unit deals specifically with the physiological systems that are responsible for the maintenance of health in humans. It therefore provides a useful frame of reference for

students enrolled in biomedical science, pharmacy, human movement studies, nutrition and dietetics or any of the life science majors. In the course of the semester you will investigate half the systems that constitute the human body with the remainder dealt with in the first semester unit Medical Physiology 1 (LQB388).

### LQB490 Cytogenetic and Molecular Pathology

Pre-requisites	LQB280
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Skills in cytogenetics and molecular biology are now widely used across all of the pathology disciplines. These two specialties represent one of the fastest growing test request areas in diagnostic laboratory medicine, with demand increasing nearly 200% over the last five years. Through alignment of theoretical concepts and practical skills, this lab-based unit expands on the themes introduced in your earlier cellular, molecular, genetic and bioinformatic studies to introduce the knowledge and practical skills used routinely in modern pathology genetic testing. You will apply your learning and skills from this unit in your third year clinical units.

### LQB494 Pathogen Biology and Pathogenesis

Pre-requisites	LQB362
Credit	12

Points	
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit is designed for students in biomedical sciences, to provide a strong grounding in microbiology and to contribute to the knowledge base of fundamental microbial processes that underpin the pathogenic potential of select species. This unit is a core unit in the infection and immunity strand, building on concepts introduced in Principles and Practice of Infectious Diseases (LQB362). Pathogen Biology and Pathogenesis (LQB494) continues the study of the host-microbe interaction with a focus on microbe-specific factors underpinning infectious disease progression, which is essential for future studies of more complicated or detailed molecular microbiology analyses. You will develop industry-relevant skills and use cutting-edge technology in laboratory classes, which will prepare you for a career in biomedical research, medical biotechnology and postgraduate studies in biomedical science.

### LQB502 Biomedical Work Integrated Learning A

Anti-requisites	LQB504-3
Other requisites	Completion of 144 credit points in LS40 and approval of LS40 course coordinator
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point



## Units

Availabilityes	<b>Gardens Point</b> - SEM-1, SEM-2, SUM
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This unit provides you with the opportunity to gain industry-based experience through a supervised work placement. Within the workplace (a minimum of 120 hours [equivalent to 3 weeks full-time] and maximum of 240 hours [equivalent to 6 weeks full-time]) you will apply knowledge and skills developed during your course of study. Practising workplace related skills such as team work, ethical behaviour, safe workplace practices and reflective practice as well as building on your industry networks will support you in your transition to professional practice. Your placement should be relevant to your course of study and must be approved by the course co-ordinator and the unit co-ordinator before you commence. Acceptance into this unit will be based on successful completion of prerequisites, the completion of a number of workplace requirements, and the availability of placement supervisors. The learning in this unit can be extended into a second unit LQB503.

### LQB503 Biomedical Work Integrated Learning B

Pre-requisites	LQB502
Anti-requisites	LQB504-3
Other requisites	Completion of 144 credit points in LS40 and approval of LS40 course coordinator
Assumed Knowledge	null
Credit Points	12

Campus	Gardens Point
Availabilityes	<b>Gardens Point</b> - SEM-1, SEM-2, SUM

This unit extends your learning from LQB502 and provides you with the opportunity to extend industry-based experience through a supervised work placement. Within the workplace (a minimum of 120 hours [equivalent to 3 weeks full-time] and maximum of 240 hours [equivalent to 6 weeks full-time]) you will apply knowledge and skills developed during your course of study. Practising workplace related skills such as team work, ethical behaviour, safe workplace practices and reflective practice as well as building on your industry networks will support you in your transition to professional practice. Your placement should be relevant to your course of study and must be approved by the course co-ordinator and the unit co-ordinator before you commence. Acceptance into this unit will be based on successful completion of prerequisites, the completion of a number of workplace requirements, and the availability of placement supervisors.

### LQB504 Clinical Physiology Professional Internship

Pre-requisites	LQB388 and LQB488
Equivalent s	LQB501
Credit Points	12
Campus	Gardens Point
Availabilityes	<b>Gardens Point</b> - SUM

Clinical physiologists perform diagnostic tests and work directly with patients in multidisciplinary teams. Disciplines include cardiac science, neuroscience, respiratory science, sleep science and there are also opportunities for multidisciplinary practice. This multi-component 36 credit point work-integrated learning unit is the core element of the clinical physiology minor and consists of a full-time, intensive unpaid practical placement working in the profession. In addition to developing clinical skills, you will work in the health care sector to develop and apply communication skills, demonstrate professional and ethical practice, infection control, ensure patient confidentiality and privacy and gain an understanding of cultural issues. This unit is designed for students who are aiming for careers in clinical physiology and completion of this unit provides students with the skills and experience required to apply for graduate positions in clinical physiology.

### LQB504 Clinical Physiology Professional Internship

Pre-requisites	LQB504-2. LQB504-2 can be studied in the same teaching period as LQB504-3
Anti-requisites	LQB502, LQB503
Credit Points	12
Campus	Gardens Point
Availabilityes	<b>Gardens Point</b> - SUM

Clinical physiologists perform diagnostic tests and work directly with patients in



multidisciplinary teams. Disciplines include cardiac science, neuroscience, respiratory science, sleep science and there are also opportunities for multidisciplinary practice. This multi-component 36 credit point work-integrated learning unit is the core element of the clinical physiology minor and consists of a full-time, intensive unpaid practical placement working in the profession. In addition to developing clinical skills, you will work in the health care sector to develop and apply communication skills, demonstrate professional and ethical practice, infection control, ensure patient confidentiality and privacy and gain an understanding of cultural issues. This unit is designed for students who are aiming for careers in clinical physiology and completion of this unit provides students with the skills and experience required to apply for graduate positions in clinical physiology.

### LQB504 Clinical Physiology Professional Internship

Pre-requisites	LQB504-1. LQB504-1 can be studied in the same teaching period as LQB504-2
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SUM

Clinical physiologists perform diagnostic tests and work directly with patients in multidisciplinary teams. Disciplines include cardiac science, neuroscience, respiratory science, sleep

science and there are also opportunities for multidisciplinary practice. This multi-component 36 credit point work-integrated learning unit is the core element of the clinical physiology minor and consists of a full-time, intensive unpaid practical placement working in the profession. In addition to developing clinical skills, you will work in the health care sector to develop and apply communication skills, demonstrate professional and ethical practice, infection control, ensure patient confidentiality and privacy and gain an understanding of cultural issues. This unit is designed for students who are aiming for careers in clinical physiology and completion of this unit provides students with the skills and experience required to apply for graduate positions in clinical physiology.

### LQB508 Clinical Physiology and Pathophysiology

Pre-requisites	LQB388 and LQB488
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

LQB508 Clinical Physiology and Pathophysiology is an advanced unit that will build upon your existing knowledge of disease processes and practical skills gained in LSB111, LQB388 and LQB488.

This unit will give you an in-depth understanding of the pathophysiology of a wide range of diseases/disorders

with particular emphasis conditions identified as areas of national health priority by the Australian National Medical Health and Research Council (NHMRC) such as cardiovascular disease, cancer and metabolic syndromes. The lecture content is complemented by case study workshops and the practical component, which will assist you in developing the technical skills required to perform a number of important clinical physiology techniques (including EEG, ECG, and spirometry) as well as understanding the significance of the physiological variables that they report. Critical evaluation and communication of complex pathophysiological research data is also a key component of this unit.

### LQB562 Advanced Microbial Diagnostics

Pre-requisites	LQB462
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

An integral part of the practice of diagnostic microbiology is the laboratory processing of clinical specimens derived from patients with infectious diseases. Ultimately you will need to have a comprehensive and in-depth knowledge and understanding of theoretical concepts in infectious disease microbiology and be able to apply that knowledge and understanding safely, competently and skillfully in a PC2 diagnostic laboratory

context. LQB562 is part of a structured progression from your earlier LS47 units, including: LQB182 Human Cell and Molecular Biology, LQB281 Human Health and Disease Concepts, LQB362 Microbiology: Principles and Practice and LQB462 Microbial Diagnostics. The LS47 medical microbiology stream as outlined above was specifically developed to ensure a stepwise and coherent learning pathway in your training to become a professionally-accredited medical laboratory scientist with expertise in diagnostic microbiology.

### LQB570 Forensic Anatomy

Pre-requisites	LQB382 and LQB482
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

A strong foundation in human anatomy, particularly human osteology, is essential for the identification and interpretation of human remains as required by the Coronial system. This unit focuses on building advanced theoretical and practical knowledge in the interpretation of a biological profile of unknown human skeletal remains. A biological profile includes the estimation of sex, ancestry, age and stature of unknown remains that assists towards potential matches in the missing persons database. This unit will also investigate human skeletal variability and taphonomy; and

current research and applications within forensic anthropology. The unit culminates in the presentation of evidence in a moot court based on a semester long missing person case.

### LQB571 Neuroscience

Pre-requisites	(LQB388 and LQB488) or (LQB382 and LQB482)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Neuroscience is the study of the structure and function of the nervous system and has the ultimate aim of understanding the neural basis of normal behaviour as well as the changes that are responsible for the debilitating consequences of nervous system disorders. In this unit you will explore a number of contemporary neuroscience topics including functional brain imaging, neural repair and regeneration, neuronal stem cells, memory and neurological disorders. This unit will utilise human cadaveric prosections and tissue obtained from euthanased animals. This unit is positioned in the advanced phase of the course and builds on knowledge of the physiology of the nervous system in Medical Physiology 1 (LQB388) and regional and imaging anatomy of the nervous system gained in Anatomical Imaging (LQB482). This unit will provide a strong foundation for entry into neurobiology research or

clinical fields.

### LQB581 Biomolecular Control Systems

Pre-requisites	LQB381 and LQB481
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit extends the principles of enzyme structure and function, and metabolic regulation, using several model systems. It develops an advanced understanding of basic theoretical and practical aspects of metabolic systems and biomolecular signalling pathways, and the integration and regulation of cellular responses to external stimuli. Through coverage of these principles you will further develop your knowledge, practical expertise and research skills in preparation for pursuing career opportunities relating to biochemistry or allied professions in biomedical science.

### LQB582 Biomedical Research Technologies

Pre-requisites	LQB381 and LQB481
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit further develops the theoretical technological background and practical training you will need to work in a research and development

based career in biochemistry and biotechnology environment. It is designed to provide you with an understanding of the methodologies and applications of protein- and enzyme-based analytical technologies with emphases on biomedical research, and the diagnosis and treatment of disease. This unit is an advanced level final year component of your course and complements the study of nucleic acid-based research and diagnostic technologies studied elsewhere in the course. Earlier studies in biochemistry and metabolism in your course form the foundation conceptual knowledge bases for the study of this unit.

### LQB583 Molecular Systems Biology

Pre-requisites	(LQB385 and LQB485) or (LQB362 and LQB494)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Over the past decade, technological advances have transformed research capabilities to the point where multiple biomolecular targets, such as genes, proteins or metabolites, within a single system can be investigated simultaneously. Systems biology involves the study of a complex system through multiple biomolecular perspectives to determine molecular relationships and

functions across a biological system of interest. Resulting data is often interrogated using advanced bioinformatics to determine how networks of molecules relate to specific phenotypes. Importantly, such approaches are becoming increasingly prevalent in the laboratories of most leading research institutions globally. Thus, the skills necessary to extract meaningful biological information using omics approaches are highly sought after. This unit will provide you with a strong overview of various omics approaches and expose you to advanced bioinformatics tools for solving complex biological problems.

### LQB594 Pathogen Diagnosis and Therapeutics

Pre-requisites	LQB362 and LQB494
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

In the post-genomics era, the emphasis in molecular microbiology is shifting from the acquisition of new genome sequence information to how to use this information to understand the biology and pathogenesis of microorganisms. As a part of your biomedical science training, exploration of the essential pathways and mechanisms for microbial growth, survival and pathogenesis will equip you with skills that can be utilised in clinical microbiology, allied

health courses, clinical practice and/or research later on in your career or postgraduate studies and to take advantage of the opportunities that will exist in this post-genomics age.

### LQB595 Cellular Engineering

Pre-requisites	LQB385 and LQB485
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This advanced unit provides you with the necessary skills to understand and apply cellular engineering theories to investigate complex cellular behaviour; and investigate how these behaviours can be manipulated to promote human health. You will have the opportunity to develop critical technical skills in this unit relevant to future work in research laboratories. This unit builds on the knowledge and skills developed in LQB485 Cell Biology and provides the necessary platform to advance to more advanced studies in Cell and Molecular Biotechnology.

### LQB600 Physiological Basis of Pharmacology

Pre-requisites	LQB388 and LQB488
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

An appreciation of pharmacology and how drugs interact with physiological systems is important for biomedical scientists. This unit will extend your understanding of systems physiology/pathophysiology gained in Medical Physiology 1 (LQB388), Medical Physiology 2 (LQB488) and Understanding Disease Concepts (LSB111) and help you understand the principles behind the use of medicines as well as the rationale for the development of new drugs. There will be an emphasis on learning about the major mechanisms of drug action. This unit will focus on common diseases and a number of body systems, including the peripheral and central nervous systems, cardiovascular system, respiratory system and endocrine system. This unit will prepare you for working in the field of clinical physiology, or for further studies in allied health, or medicine, and provide an understanding of the physiological basis of pharmacology for students interested in undertaking research in this exciting field.

### LQB601 Cancer Biology

Pre-requisites	LQB385 and LQB485
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Cancer is a leading cause of death worldwide and research into its treatment and

prevention has significantly improved cancer mortality rates. This unit will build upon knowledge and skills acquired from Cell and Molecular Biology (LQB182); Human Health and Disease Concepts (LQB281), Cell Biology (LQB485), and other Biomedical Science units to specifically inform the study of cancer biology and the implementation of technologies employed to investigate this complex group of diseases. This unit has a substantial practical focus and will prepare students for further study in medical or biomedical fields, or for biomedical research. Cancer is a major research priority at QUT and this unit will provide a strong foundation for undertaking Higher Degree Research in this field. The unit will also deliver a hands-on experience in cancer research laboratory techniques that will ably equip cell and molecular biology students intending to enter the workforce following graduation.

### LQB608 Extreme Physiology

Pre-requisites	LQB388 and LQB488
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is designed for students undertaking the human physiology major in the Bachelor of Biomedical Science. You will integrate and apply knowledge obtained from Medical Physiology 1 (LQB388) and Medical Physiology 2 (LQB488) to

study a number of advanced topics in physiology. In addition you will develop your ability to discuss, interpret and critically analyse important scientific issues. By successfully completing this unit you will be able to demonstrate a range of important skills including critical thinking, team work, planning, scientific writing, time-management, problem-solving and organisation skills. This unit has a very strong practical focus and you will investigate physiological problems independently and as a member of a team. These skills will prepare you for postgraduate study (such as the Bachelor of Biomedical Science - Honours), to work in biomedical research or for a career in clinical physiology.

### LQB670 Anatomical Dissection

Pre-requisites	LQB382 and LQB482
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The ability to navigate the human body and its composite tissues is strengthened through the dissection of human donor bodies. This unit focuses on developing anatomical dissection skills at the Medical Engineering Research Facility at Prince Charles Hospital campus on whole human donor bodies. In teams, through the synthesis of an anatomical prosection for teaching purposes your skills in communication, self-management, judgement and interpersonal relationships will



be tested. The semester will conclude with an Anatomical Showcase, where peers and academics are invited to view your designs and critically evaluate your technical and communicative skills. This advanced unit forms the capstone for Study Area A Anatomical Sciences in the Bachelor of Biomedical Sciences and provides ideal skills for those considering research careers utilising animal models and graduate destinations in Medicine and Allied Health.

**LQB671 Histological Research Techniques**

Pre-requisites	LQB382 and LQB482
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Biomedical research utilising animal and tissue models requires histological analysis as a key methodological process. The practical application and theoretical underpinnings of tissue histology is therefore an essential skill for all biomedical scientists. The purpose of this unit is to provide you with the knowledge and understanding of the application of histological techniques routinely used in research laboratories. This unit also provides an opportunity to develop practical skills in a range of histological techniques including tissue sectioning (microtomy), common histochemical stains

and immunohistochemistry. The unit is positioned in the advanced phase of the course and builds upon the introductory tissue concepts covered in Human Systematic Anatomy (LQB183) and concepts of tissue adaptation in Developmental Anatomy & Tissue Adaptation (LQB382).

**LQB681 Biomolecular Research Skills**

Pre-requisites	LQB381 and LQB481
Equivalents	LSB607
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

While technical expertise is important for a successful career in biomedical science, high level interpersonal skills, such as effective communication, critical thinking, problem-solving and working effectively in a team are also valued highly by potential employers and research project leaders. This unit offers opportunities for you to independently design and work on a research project throughout the semester, which will assist you in developing both biomolecular research and interpersonal skills. This unit is a capstone biochemistry unit designed to prepare you as a prospective graduate for independent and team-based research.

**LQB682 Biomolecular Design**

Pre-requisites	LQB381 and LQB481
Credit	12

Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is designed to give you the essential concepts and techniques driving research and industrial biotechnology so that you will be equipped for multiple careers in the biological sciences. The skills you develop will allow you to enter a practical laboratory environment or to apply your knowledge in related areas of evaluations of technologies and intellectual property.

**LQB683 Diagnostic Cytopathology**

Pre-requisites	LSB566
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The goal of cytopathology is to predict the underlying histology of lesions using small samples obtained by minimally invasive methods. The results are used to direct patient management and often involve the integration of diagnostic tests you have developed and applied in earlier units, such as histology, immunohistochemistry and molecular pathology. This unit builds on the knowledge and practical skills you have gained in LSB466 and LSB566 to expand your practical/technical and diagnostic skills. This unit prepares you for employment in a diagnostic cytopathology laboratory and introduces the types of specimens reported, methods of processing applied

and the cytological features used to diagnose tumours and benign conditions.

### LQB684 Advances in Medical Biotechnology

Pre-requisites	LQB385 and LQB485
Equivalent s	LSB609
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit has a focus on learning by doing. Students will design their own experimental methods, conduct research, collect data and analyze their results. The experimental work will revolve around 3D printed scaffolds, primary and stem cells and cellular assays. Students will be given a vast amount of experimental freedom to test their own experimental hypothesis in a safe wet-laboratory environment. This practical work is then complemented by the novel development of diagnostics and therapeutics for safe and effective clinical use. This advanced level unit will enable you to understand this process as it relates to emerging treatments for health problems especially within remote/rural Australia and Indigenous communities. In this process you will further develop your scientific research and analytical skills to design innovative solutions for improving modern biotechnology.

### LQB693 Immunological Approaches for Infection and Immunity

Pre-requisites	LQB594 or LQB387
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Our immune system has evolved to discriminate between self and non-self in order to protect us against disease and to avoid autoimmunity. Understanding how our immune system works will allow an appreciation of the analyses, and their performance, required to monitor its function in health and disease. As one of the final units in the infection and immunity learning progression, this unit will collate the fundamental and advanced knowledge of immunology covered in the Biomedical Sciences' Infection and Immunity study area, or Principles of Immunology (LQB387), and illustrate the application of this knowledge and understanding by immunologists to recent real-world research focus areas. This approach will assist with your transition from university study into research career paths that understand and employ immunological research methods to investigate immunological study areas.

### LQB694 Infectious Disease Outbreaks

Pre-requisites	LQB362 and (LQB494 or LQB462)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Infectious diseases continue to be a major public health concern in developed and developing countries. The emergence of drug-resistant bacteria and viruses that cause disease outbreaks and epidemics are a significant global health burden. Microbiologists play an essential role in the detection and management of infectious diseases; research into the pathogenesis and epidemiology of the microbial pathogens; and the development of new diagnostic, preventative and therapeutic technologies to prepare for disease outbreaks. You will apply your knowledge and understanding of infectious diseases to recent real-world disease outbreak cases. This unit will also expose you to researchers and infectious disease experts from universities, hospitals, and government organisations that deal with infectious diseases on a daily basis and will provide you with insights into career opportunities within this field.

### LQB783 Work Integrated Learning Internship 1

Pre-requisites	Completion of 288cp in LS47
Co-requisites	LQB784 and LQB785
Credit	12

## Units

Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

In the first Semester of final year you will undertake a twelve (12) week work integrated learning internship split across two units, four (4) weeks for LQB783 and eight (8) weeks for LQB784. This experience will provide you with the opportunity to demonstrate you have acquired the graduate capabilities highly valued by employers, including discipline specific knowledge and practical skills. You will complete your internship in a recognised local, national or international laboratory, and may also elect to complete part in a research or associated allied health laboratory. These Capstone units assume learning from your first three years of study and will prepare you for work in a diagnostic clinical pathology laboratory. It will also place you in direct contact with potential employers, and allow you to interact, learn from and work alongside experienced medical laboratory scientists.

### LQB784 Work Integrated Learning Internship 2

Pre-requisites	LQB783 and Completion of 288cp in LS47. LQB783 can be enrolled in the same teaching period as LQB784
Co-requisites	LQB785
Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

In the first semester of final

year you will undertake a twelve (12) week work integrated learning internship split across two units, four (4) weeks for LQB783 and eight (8) weeks for LQB784. This experience will provide you with the opportunity to demonstrate you have acquired the graduate capabilities highly valued by employers, including discipline specific knowledge and practical skills. You will complete your internship in a recognised local, national or international laboratory, and may also elect to complete part in a research or associated allied health laboratory. These Capstone units assume learning from your first three years of study and will prepare you for work in a diagnostic clinical pathology laboratory. It will also place you in direct contact with potential employers, and allow you to interact, learn from and work alongside experienced medical laboratory scientists.

### LQB785 Transition to Professional Practice in Medical Laboratory Science

Pre-requisites	LQB783 and Completion of 288cp in LS47. LQB783 can be enrolled in the same teaching period as LQB784
Co-requisites	LQB784
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This is one of the three units that constitute the work integrated learning component of your program. Recognising that your level of expertise is at

the beginner practitioner level, this unit is designed to develop professional skills in critical reflection that help define you as a medical laboratory scientist and health care professional and set you on a pathway of continuing professional development. In conjunction with your work integrated learning internship, you will develop evidence based knowledge and implement reflective processes to improve the quality of your practice. These strategies and processes are necessary for your transition into the workplace.

### LQB882 Projects in Clinical Pathology

Pre-requisites	LQB784
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

A modular unit to recap and combine the interdisciplinary fields of clinical medical science. Occurring in the experienced phase of the course, this unit requires knowledge from previous units, to embed and instil contemporary developments in medical science and influences in the provision of pathology testing.

### LQB883 Intercultural Health in Clinical Practice

Pre-requisites	LQB784
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b>

es - SEM-2

Medical laboratory scientists, like all health professionals, are increasingly required to work in diverse environments and communities. This unit introduces to the principles of cultural safety such as self-awareness and biculturalism, transcultural interaction and communication, which form the basis of all human, patient and health professional exchange. The prevalent pathologies, health outcomes and testing environments encountered in remote and low resource environments differ in many respects from the urban-based approaches and laboratory contexts covered in the course to date. This unit will broaden your knowledge of the application of pathology testing in these settings, including practical experience in the implementation of point of care testing.

### LQD185 Anatomy and Physiology for Health Professionals

Equivalent s	LQB185
Credit Points	12
Campus	Kelvin Grove and Online
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

This introductory unit explores the structure (anatomy) and functions (physiology) of the human body, by providing students with opportunities to investigate the major organ systems necessary for life. A focus on medical language development will underpin the

learning in this unit, where students will develop the ability to effectively communicate anatomy and physiology concepts in health care environments.

### LQD285 Pathophysiology for Health Professionals

Pre-requisites	
Equivalent s	
Credit Points	12
Campus	Kelvin Grove and Online
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2 <b>Online</b> - 13TP3

This unit will introduce students to pathophysiology (study of disease processes), and will address the predominant disorders affecting Australians across the lifespan, particularly those identified by the National Health Priority Areas as contributing significantly to disability and death in Australia. This unit will build on foundational knowledge of the normal structure and function of the human body developed in Anatomy and Physiology for Health Professionals (LQD185). An understanding of diseases gained within this unit will prepare students for subsequent health assessment and nursing practice units.

### LQN100 Human Genetics

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-1

Every genomic clinician and clinical scientist needs to

understand the fundamentals of human genetics in order to evaluate clinical cases and communicate with their colleagues. Scientists need to be comfortable, competent and confident with analysing a pedigree and researching what is known about the clinical and molecular aspects of a given condition. Clinicians who are requesting and/or interpreting genetic test results need to be familiar with these concepts to communicate with and care for patients.

### LQN101 Disease Pathogenesis

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-1

Every genomic clinician and scientist needs to understand genomic aberrations at a chromosomal and molecular level in addition to the consequences of such aberrations, particularly as they pertain to disorders commonly seen in genetic clinics and laboratories. Clinicians and scientists need to be knowledgeable about genomic disease mechanisms in order to work in the field.

### LQN102 Diagnostic Genetics

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-2

Genomic scientists need to understand the molecular and biochemical methodologies used to assess genetic disorders, depending on the



pathogenesis of the condition. Scientists need to be knowledgeable about how to interpret results in order to communicate them to colleagues and referring physicians. Clinicians requesting and/or interpreting genetic test results for their patients will need to be familiar with these concepts as well.

### LQN103 Genetic Technologies

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-2

Genomic scientists need to understand key molecular technologies which can be applied for clinical or research purposes. Scientists also need to be knowledgeable about how to interpret these results in order to communicate them to colleagues and referring physicians. Clinicians requesting and/or interpreting genetic test results for their patients need to be familiar with these concepts.

### LQN200 Advanced Cell and Molecular Biology

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-1

Genomic scientists and clinicians need to understand the fundamentals of cell and molecular biology in order to fully appreciate the principles of disease pathogenesis, and diagnostic methodologies in order to apply them. Scientists need to know how to

interpret molecular test results in order to communicate them to colleagues and referring physicians. Clinicians requesting and/or interpreting genetic test results for their patients will also need to be familiar with these concepts.

### LQN201 Lab Management, Compliance and Quality Control

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-1

Genomic scientists, whether based in a clinical or research laboratory, need to understand all aspects of laboratory management from compliance, accreditation and regulation through to safety and quality control.

### LQN202 Genomics Analysis

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-2

Genomic scientists need to understand the application of array technology and massively parallel sequencing. In addition, they need to understand the tools available to assist with variant interpretation and classification. Clinicians requesting and receiving results of genetic tests increasingly need to understand variant classification in order to advise and manage patients.

### LQN203 Ethical, Legal and Social Issues in Genetics and Genomics

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-2

The practice of clinical genetics, medical testing and scientific research is governed by ethical principles. Clinical and research scientists need to be aware of how these ethical principles can affect the type of test or study which can be performed as well as the possible psychological, legal and social sequelae for patients and participants. In addition, clinicians and scientists need to carefully consider the implications of genetic testing and research in diverse communities.

### LQN204 Molecular Genomics

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-1

Clinical and research scientists working in molecular genomics laboratories need to be knowledgeable of medical conditions which most commonly are referred to clinical laboratories, the genetic testing indicated and the interpretation of results.

### LQN206 Cytogenomics

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-2

Clinical and research scientists

working in cytogenomic laboratories need to be knowledgeable of the germline and somatic conditions which are commonly referred to laboratories, the cytogenetic tools available to test for these, which specific cytogenomic tests are indicated for a given presentation, and the interpretation of results.

### LQN301 Cancer Genomics

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-1

Clinicians and research scientists need to know of the genetic basis of cancer, hereditary cancer predispositions, and the utility of cancer genomic testing in classifying and diagnosing cancer, for prognosis and treatment, and in monitoring disease progression.

### LQN302 Genetic Epidemiology

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-2

Clinical and research genomic scientists need to be familiar with heredity statistical principles of common disease and how segregation and association studies are used to identify the genetic basis of multifactorial conditions. Furthermore, genomic scientists need to be familiar with conducting linkage analysis as it is applied to increase the study power within large families and populations.

### LQN303 Computational Genomics

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-1

Clinical and research genomic scientists need to be familiar with the principles underpinning next-generation sequencing as it is increasingly used in clinical care, predominantly in the form of whole exome or whole-genome sequencing. Furthermore, genomic scientists also need to be familiar with how these variants are interpreted and the strengths and limitations of these approaches.

### LQN304 Laboratory Placement and Dissertation

Pre-requisites	LQN100 and LQN101 and LQN102 and LQN103 and LQN203 and (24 credit points from LQN200, LQN201, LQN202, LQN301, LQN302, or LQN303)
Credit Points	12
Campus	Online and Gardens Point
Availabilities	<b>Online</b> - SEM-1, SEM-2

The dissertation component of the Master of Diagnostic Genomics program allows you to apply and build on the knowledge and skills acquired during your degree, under the supervision and guidance of an experienced professional, in a research or clinical project in the field of genomics. The research dissertation fosters critical evaluation and interpretation skills and increases confidence in the

design, execution and analysis of research. This research is reported in a written dissertation formatted to current APA guidelines.

### LQN304 Laboratory Placement and Dissertation

Credit Points	12
Campus	Online and Gardens Point
Availabilities	<b>Online</b> - SEM-1, SEM-2

The dissertation component of the Master of Diagnostic Genomics program allows you to apply and build on the knowledge and skills acquired during your degree, under the supervision and guidance of an experienced professional, in a research or clinical project in the field of genomics. The research dissertation fosters critical evaluation and interpretation skills and increases confidence in the design, execution and analysis of research. This research is reported in a written dissertation formatted to current APA guidelines.

### LQN304 Laboratory Placement and Dissertation

Credit Points	12
Campus	Online and Gardens Point
Availabilities	<b>Online</b> - SEM-1, SEM-2

The dissertation component of the Master of Diagnostic Genomics program allows you to apply and build on the knowledge and skills acquired during your degree, under the supervision and guidance of an experienced professional, to undertake a research or clinical

project in the field of genomics. The research dissertation fosters critical evaluation and interpretation skills and increases confidence in the design, execution and analysis of research. This research is reported in a written dissertation formatted to current APA guidelines.

### LSB111 Understanding Disease Concepts

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit reinforces fundamental assumed knowledge of anatomy and physiology and introduces the study of human disease processes or pathophysiology. General concepts underlying human diseases as well as disorders relating to organ systems will be studied and the major diseases affecting Australians, in particular those identified as National Health Priority Areas, will be addressed. The ability to understand and interpret the pathophysiology underpinning clinical contexts and to communicate this information using appropriate medical terminology are essential requirements for all students undertaking allied health courses and prepares them for professional practice.

### LSB131 Anatomy

Equivalent	LSB145
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Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Clinical practise in the allied health professions requires detailed understanding of the macroscopic, systemic and microscopic anatomy of the human body. This unit introduces you to both the theoretical and practical aspects of these three areas of anatomy. Emphasis will be on osteology (the study of bones), arthrology (the study of joints), myology (the study of muscles) and neurology (the study of the nervous system). Knowledge of human anatomy gained in this unit is important to prepare you for more advanced studies in anatomy and clinical practise.

### LSB142 Human Anatomy and Physiology

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

A strong background in human body structure (anatomy) and function (physiology) is essential for students in professional health courses. In this introductory unit you will be provided with opportunities to investigate both theoretical and practical aspects of gross, systematic and microscopic anatomy. You will also review general physiological principles such as homeostasis and

investigate how all the organ systems of the body contribute to it. Knowledge and practical skills acquired in this foundational unit will allow you to engage with more advanced studies in regional anatomy, pathophysiology and imaging diagnostics.

### LSB231 Physiology

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Human physiology is the study of the normal function of the human body and a strong understanding of this discipline is important for all biomedical sciences. This first year foundation unit will introduce you to the principles underlying normal physiology as well as the major organ systems of the human body. This knowledge base will help provide an understanding of how the body maintains internal conditions within normal physiological limits and an understanding of how physiology can change during aging and disease processes. You will gain laboratory skills in physiological measurement and be able to interpret the data collected.

### LSB235 Anatomy of the Lower Limb

Pre-requisites	LSB131
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

## Units

This is a foundational anatomy unit for clinical practice in Podiatry which requires a detailed understanding and knowledge of the systematic and regional anatomy of the lower limb. This unit introduces you to the theoretical and practical concepts of these two areas of anatomy. It builds on LSB131 Anatomy and prepares you for your clinical studies.

### LSB250 Human Physiology

Pre-requisites	LQB182 or LQB186 or LSB142 or LSB131 or LSB255
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

A strong background in human physiology is crucial for students in professional health courses. This unit will introduce and develop your knowledge and practical skills in physiology and provide you with the necessary foundation for subsequent units in physiology, pathophysiology, pharmacology, endocrinology or pathology. You will also develop a range of skills, including practical, written and oral communication skills, critical thinking and problem-solving skills. This unit is designed to encourage your interest in current applications in medical physiology, health and medicine.

### LSB255 Foundations of Anatomy and Histology

Pre-requisites	LQB182 or LQB186
Credit Points	12

Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit reinforces fundamental assumed knowledge of cell structure and function and introduces you to both theoretical and practical aspects of gross, systemic and microscopic anatomy of the human body with emphasis on microscopic anatomy. Unit material will include the structure of cells and major tissue types. This unit will also introduce you to the relevant anatomical structures of the human body systems. The practical component of this unit extends the development of microscopy skills introduced in first semester (LQB182 Cell and Molecular Biology) so that you can develop the capacity to critically analyse histological sections and identify normal human tissues and organs. Knowledge and practical skills acquired in this unit will allow you to engage with more advanced studies in the general cellular and pathological processes which underlie major diseases of human organ systems (LSB365 Pathology).

### LSB258 Principles of Human Physiology

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Human physiology is the study of the normal function of the human body and a strong understanding of this discipline is important for all biomedical

scientists. This first year foundation unit will introduce you to the principles underlying normal physiology as well as the major organ systems of the human body. This knowledge base will help provide an understanding of how the body maintains internal conditions within normal physiological limits and an understanding of how physiology can change during aging and disease processes. You will gain laboratory skills in physiological measurement and be able to interpret the data collected. This unit will provide you with a strong foundation for further studies in physiology, pharmacology, pathology and pathophysiology and will complement studies in anatomy, cell and molecular biology and biochemistry.

### LSB365 Pathology

Pre-requisites	LQB281 and LSB250 and LSB255
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

It is essential that students studying medical science have a substantive knowledge and skill set pertaining to pathology. Pathology is the study of disease processes from the cellular level to that of the whole organism. This is a third Semester unit planned for the developmental phase of your learning which builds on the introductory phase units LQB281, LSB250 and LSB255, which were designed to



provide you with the core knowledge needed for your discipline specific studies such as cellular adaptation, inflammation, carcinogenesis, immune disorders and infectious disease.

Understanding general and systematic pathology is essential for the application of knowledge to clinically relevant states and major diseases that you will study in later clinical units of this course.

### LSB425 Quality and Analysis in Clinical Pathology

Pre-requisites	LQB381 and MAB141
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Quality and Analysis in Clinical Pathology develops previous work undertaken in MAB141 and LQB381, and builds towards work which will be undertaken in LSB525 Chemical Pathology. With an emphasis on the discipline of clinical biochemistry, this second year unit explores a range of analytical techniques and the quality assurance standards and practices in place in real world pathology laboratories. Assays must be performed with accuracy and precision, and data and results validated according to quality standards, and troubleshooting skills also developed. With emphasis on the knowledge, skills and values required for good laboratory practice, and a commitment to high quality results, this unit prepares you for the more complex

procedures and automated technologies in the third year units and the clinical pathology workplace.

### LSB466 Histological Techniques

Pre-requisites	LSB365 and (CVB101 or PQB105 or LQB180)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Histological techniques are often essential for diagnosis and management of disease, and therefore constitute an important skill set for medical laboratory scientists. The purpose of this unit is to provide you with the opportunity to learn the theory underpinning basic histological techniques routinely used in clinical as well as research laboratories, and how they are applied and interpreted. From a whole of course perspective, the unit LSB466 Histological Techniques incorporates and builds upon your learning in LSB255 Foundations of Anatomy and Histology, and LSB365 Pathology, and prepares you for LSB566 Histopathology in the third year of your course.

### LSB492 Microbiology

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Optometrists require a strong knowledge base in

microbiology for their professional practice and on which to base future studies within their discipline. A detailed knowledge of infectious agents, their structure, prevalence and pathogenicity will enable you to apply these concepts to infection control to prevent the transmission of disease and to understand the mode of action of antimicrobials. You will also study infectious agents that are aetiological agents of disease states of the eyes or of public health significance, and appropriate methods for the management and treatment of these disease states. Basic knowledge of biology and chemistry is assumed for this unit.

### LSB525 Chemical Pathology

Pre-requisites	LSB425
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit is in the course to provide you with essential knowledge and practical skills to prepare you to work as a medical laboratory scientist. The unit is positioned in the developmental phase of the course and is preceded by LSB425, the study of quality and analysis in clinical pathology and is followed by LSB625 Diagnostic Endocrinology. The sequencing and content of these units will prepare you for work in both smaller multi-disciplinary laboratories performing a limited number of biochemical tests, as well as

larger specialised laboratory performing in-depth studies in all aspects of chemical pathology.

### LSB555 Principles and Practice of Clinical Haematology

Pre-requisites	LQB490 and LQB387
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Haematology is the study of blood and investigates pathologies associated with blood cell dyscrasias including the anaemias, thalassaemias, haemoglobinopathies, haemoparasites, bacterial and viral infections and malignancies, as well as abnormalities of the haemostatic system, leading to increased risk of bleeding or thrombosis. For you to work effectively and with confidence in clinical diagnostic haematology, you will require knowledge of the most frequently encountered conditions and the ability to recognise and interpret their results and confirmatory tests in the laboratory. This unit is positioned in the developmental phase of your course and assumes knowledge and proficiency in the skills you developed in your second year units. Combined with LSB655 next semester, LSB555 will prepare you for future employment in a clinical diagnostic haematology laboratory.

### LSB566 Histopathology

Pre-requisites	LSB466
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Histopathology is an essential component of pathology and one of the major disciplines in clinical diagnostic pathology. This unit is positioned in the developmental phase of the course and builds upon your learning in LSB466. This unit is designed to provide you with theoretical knowledge and practical skills of advanced histological techniques used primarily in the clinical setting, but which may also have relevance to research applications. In contrast to preceding units, a greater emphasis will be placed on the theory and application of techniques required for disease diagnosis. This unit combined with your preceding unit LSB466 (Histological Techniques) prepares you for work in a diagnostic histopathology laboratory as a medical laboratory scientist.

### LSB625 Diagnostic Endocrinology

Pre-requisites	LSB525
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Endocrinology is a specialised area of study in clinical biochemistry and investigates pathologies associated with the hormonal control mechanisms

that regulate metabolism and growth within the body. This unit is in the course to provide you with essential scientific and technical skills to prepare you to work as a medical laboratory scientist. The unit is positioned in the developmental phase of the course and is preceded by LSB525, the study of chemical pathology. Combined, these units prepare you for employment in both smaller multi-disciplinary laboratories performing a limited number of biochemical tests, as well as larger specialised laboratories performing in-depth studies of all aspects of chemical pathology and endocrinology.

### LSB655 Applied Clinical Haematology

Pre-requisites	LSB555
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Haematology is the study of blood and investigates pathologies associated with non-malignant and malignant blood cell dyscrasias, and abnormalities of the haemostatic system that lead to an increased risk of bleeding or thrombosis. In order for you to work effectively, and with confidence, it is essential you are also able to identify and investigate less frequently encountered dyscrasias and complex cases. This unit is positioned in the developmental phase of the course and assumes knowledge and practical skills from LSB555.

### LSB658 Clinical Physiology

Pre-requisites	(LSB142 and LQB281) or (LSB282 and LSB382) or LQB285
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Clinical Physiology (LSB658) is an advanced unit that will build upon your existing knowledge of disease processes and practical skills gained in units you have previously undertaken. You will also be able to utilise your individual background knowledge gained throughout your course in anatomy and physiology, pharmacology and clinical practice to solve and suggest treatment for complex cases. This unit will give you an in-depth understanding of the pathophysiology of a wide range of diseases/disorders with particular emphasis on disorders that are currently identified as areas of national health priority by the Australian National Medical Health and Research Council (NHMRC). The unit will further your skills in managing emergency situations by exposing you to new clinical scenarios with complex background pathophysiology, and assist you in developing new practical skills in clinical physiology instrumentation and data analysis.

### LSB665 Transfusion and Transplantation Science

Pre-requisites	LSB555
Credit	12

Points	
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Medical scientists must be competent in the laboratory procedures and practices required to provide a safe and reliable blood transfusion service, when employed in clinical laboratories. This involves testing of blood samples for donors and patients, mainly in transfusion and pregnancy scenarios. Transplantation science similarly involves compatibility testing of donors and recipients, but for tissues other than blood. This unit is positioned in the late developmental phase of the course and requires that you have foundational knowledge in human immunology and haematology. This unit prepares you for employment in laboratories that participate in transfusion services, such as pathology/hospital bloodbanks.

### LSN104 Advancing Anatomy and Physiology

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

A solid grounding in the principles of human anatomy and physiology is fundamental as a knowledge base for scientists and practitioners in health and medical fields. This unit aims to strengthen your ability for applying anatomical language in diverse contexts, and demonstrating specialist knowledge of the structural and

functional organisation of cells, tissues and each of the major organ systems that constitute the human body. Upon completion of this unit you will possess a broad conceptual knowledge base and skills in anatomy and physiology that will ensure a coherent pathway of learning in more advanced studies in medical and health disciplines.

### LWD101 Ethics Law and Health Care

Equivalent s	
Credit Points	12
Campus	Kelvin Grove and Online
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

Practice in healthcare involves making decisions for, and with, others. An important requirement of such decisions is that they are consistent with public and professional responsibilities and that they serve to promote the needs of patient/clients. The basic requirements and considerations are established by law, ethics and professional values. The unit explores the relationship between law and ethics to lay the foundations of understanding of both law and ethics as they relate to healthcare and to your professional practice.

### LWN025 Research Project 1a

Pre-requisites	LWN304. LWN304 can be studied in the same teaching period as LWN025
Credit Points	12
Campus	Gardens Point and External



## Units

Availabilityes	<b>Gardens Point</b> - SEM-1, SEM-2, SUM
	<b>External</b> - SEM-1, SEM-2, SUM

During your postgraduate study in law, you may find an area that is of particular interest to you or that has specific relevance to your current or intended professional expertise. This unit gives you the opportunity to explore aspects of your coursework or professional interests in more depth as well as assisting you in the continual process of refinement of your critical and analytical research skills. In order to enrol in the unit, you will need to obtain approval from your supervisor for your research proposal and complete the Research Project application form, which is available on the Postgraduate Community Blackboard site. You should submit the form to the Faculty of Law Student Services, who will liaise with the Academic Lead for Postgraduate Programs for approval. Once approval is granted by the Academic Lead for Postgraduate Programs, you will be enrolled in this unit.

### LWN050 Competition Law

Credit Points	12
Campus	Gardens Point and External
Availabilityes	<b>Gardens Point</b> - SEM-2 <b>External</b> - SEM-2

The unit provides an overview of the anti-competitive practices, including cartel conduct, that are proscribed by the *Competition and Consumer Act 2010* (Cth).

### LWN051 Australian Consumer Law

Credit Points	12
Campus	Gardens Point and External
Availabilityes	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

The rationale for the unit Australian Consumer Law is to provide an overview of the consumer protection provisions of the *Competition and Consumer Act 2010* (Cth).

### LWN053 Research Project 1b

Pre-requisites	LWN304. LWN304 can be studied in the same teaching period as LWN053
Credit Points	12
Campus	Gardens Point and External
Availabilityes	<b>Gardens Point</b> - SEM-1, SEM-2, SUM <b>External</b> - SEM-1, SEM-2, SUM

During your postgraduate study in law, you may find an area that is of particular interest to you or that has specific relevance to your current or intended professional expertise. This unit gives you the opportunity to explore aspects of your coursework or professional interests in more depth as well as assisting you in the continual process of refinement of your critical and analytical research skills. In order to enrol in the unit, you will need to obtain approval from your supervisor for your research proposal and complete the Research Project application form, which is available on the Postgraduate Community Blackboard site. You should submit the form to

the Faculty of Law Student Services, who will liaise with the Academic Lead for Postgraduate Programs for approval. Once approval is granted by the Academic Lead for Postgraduate Programs, you will be enrolled in this unit.

### LWN056 Research Project 1c

Pre-requisites	LWN304. LWN304 can be studied in the same teaching period as LWN056
Credit Points	12
Campus	Gardens Point and External
Availabilityes	<b>Gardens Point</b> - SEM-1, SEM-2, SUM <b>External</b> - SEM-1, SEM-2, SUM

During your postgraduate study in law, you may find an area that is of particular interest to you or that has specific relevance to your current or intended professional expertise. This unit gives you the opportunity to explore aspects of your coursework or professional interests in more depth as well as assisting you in the continual process of refinement of your critical and analytical research skills. In order to enrol in the unit, you will need to obtain approval from your supervisor for your research proposal and complete the Research Project Application form, which is available on the Postgraduate Community Blackboard site. You should submit the form to the Faculty of Law Student Services, who will liaise with the Academic Lead for Postgraduate Programs for approval. Once approval is granted by the Academic Lead for Postgraduate Programs, you will be enrolled in this unit.



**LWN057 Research Project 1d**

Pre-requisites	LWN304. LWN304 can be studied in the same teaching period as LWN057
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM <b>External</b> - SEM-1, SEM-2, SUM

During your postgraduate study in law, you may find an area that is of particular interest to you or that has specific relevance to your current or intended professional expertise. This unit gives you the opportunity to explore aspects of your coursework or professional interests in more depth as well as assisting you in the continual process of refinement of your critical and analytical research skills. In order to enrol in the unit you will need to obtain approval from your supervisor for your research proposal and complete the Research Project Application form, which is available on the Postgraduate Community Blackboard site. You should submit the form to the Faculty of Law Student Services, who will liaise with the Academic Lead for Postgraduate Programs for approval. Once approval is granted by the Academic Lead for Postgraduate Programs, you will be enrolled in this unit.

**LWN075 International Commercial Transactions**

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 (Block), SEM-2

(Block)  
**External**  
- SEM-1, SEM-2

This unit addresses a broad range of legal problems that arise in the formation and operation of commercial transactions of an international nature. An understanding of the law and practice regarding international commercial transactions is a basic prerequisite for the development of trade with Australian businesses, such activity being generally recognised as crucial to Australia's economic well-being.

**LWN164 Health Care Law and Ethics**

Equivalent s	LWQ164
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 (Block), SEM-2 (Block) <b>External</b> - SEM-1, SEM-2

The relationship between law and ethics in healthcare is important, as health knowledge and interventions and our understandings of the respective roles, responsibilities and rights of health professionals, health organisations, patients and the state, amongst others, continue to rapidly develop and evolve. This unit explores the relationship between law and ethics to lay the foundations of an understanding of both law and ethics as they relate to healthcare.

**LWN194 Select Issues in Medical Law and Ethics**

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 (Block) <b>External</b> - SEM-1

Some of the debates at the forefront of contemporary issues in ethics and health law can be resolved by clarifying the fundamental concepts that are presupposed by participants in those debates. For example, some proponents of the legalisation of euthanasia claim that withholding and withdrawing medical treatment is no different from providing a lethal injection. Whether or not this claim is true depends on how euthanasia is defined, and so is a conceptual, rather than a moral, issue. A similar approach can bear much fruit in many other controversial areas in this field, including dilemmas about embryonic stem cell research, reproductive ethics, organ donation and the definition of death, and the ethics of human enhancement technologies. This unit explores these common dilemmas using this approach.

**LWN206 Mediation**

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1 (Block), SEM-2 (Block)

Mediation is a structured negotiation process that can be used to resolve disputes in a

diverse range of areas, such as in legal, workplace, consumer, construction and education settings. This unit will provide you with an introduction to mediation and negotiation, some of the causes of conflict and how to manage power imbalances. You will be introduced to facilitative mediation and will learn how to conduct a facilitative mediation process at a basic level. If you complete the optional further 2 day national mediation assessment workshop and pass your national mediation assessment, you will, within 6 months of passing your assessment, be able to apply to an accrediting body to become a nationally accredited mediator.

### LWN301 Principles of Australian Contract Law

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 (Block), SEM-2 (Block) <b>External</b> - SEM-1, SEM-2

The law of contract provides an understanding of promises which are legally binding, how contractual promises may be characterised and the significance of that characterisation, and how contractual promises may be discharged or invalidated. Contract law is the basis for transactions involving the supply of goods and services and is the primary means by which the ownership of property is transferred.

### LWN305 Australian Applied Law

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

This unit is designed to transition higher degree students from international and non-legal backgrounds into the application of law at a postgraduate level. The unit promotes a deep understanding of the way in which the main principles and concepts of the common law system operate in the contemporary context, comparing and contrasting them with other legal systems. It contextualises issues pertaining to the common law system and its operations and provides students with a specialised skills in doctrinal legal research and scholarly legal writing.

### LWN601 Professional Project in Law

Pre-requisites	LWN601-1
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 (Block) <b>External</b> - SEM-1

Your study in this unit will provide you with assistance to complete the project you commenced in LWN601- 1 Professional Project in Law. LWN601-2 provides you with an opportunity to consolidate the research skills developed in previous units to demonstrate

your expert knowledge in a specialised area of law in which you have a particular interest. You will build on the expert knowledge and skills you have developed in the units in your major or elective choices. While your research will be individual, you will work with other students in your group who are researching under the joint supervision of an expert in the field.

### LWN711 Legal Analytics

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-2

We live in an era where data is fundamentally changing many aspects of society, including the law. The day-to-day work of legal practice is informed by computational tools that can help lawyers more accurately evaluate risk and predict outcomes for their clients. This unit provides you with the knowledge and skills to understand data analysis and the ethics of data collection, aggregation and use. You will develop technical concepts and vocabulary to effectively communicate with clients, technological innovators, and regulators dealing with complex issues arising out of the development and deployment of new data-driven technologies in legal contexts. These skills will help you analyse the social impact of technological innovation, and learn how to identify bias, uncertainty, and incomplete data and apply ethical

frameworks.

### LWN712 Legal Design Online

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-2

In 'Legal Design Online', you will leverage a range of technologies to apply design thinking methodologies to contemporary legal problems and create human-centred solutions to contemporary legal problems. Using empathic and innovative mindsets, you will develop a deep understanding of your client(s) problems and needs, identify assumptions and implications, ideate solutions using constraints to promote creativity, and prototype and test your solutions. You will develop skills in evaluating and using technology-based tools for online communication, collaboration, creativity, ideation, prototyping, and testing. You will reflect on your skills development and project experience to undertake a career network analysis, and learn how to build connectedness and social capital in a fast-changing professional landscape.

### LWN713 Legal Tech

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SUM

This unit offers highly practical lab-based work where you learn the fundamentals of automating legal services

and developing legal decision support systems, as well as learning to develop skills required for designing new technologies to aid the practice of law. The unit introduces you to the relationship between law and technology from both a practical and theoretical perspective. Innovation and technology are new focuses in the legal profession and industry, and automation is transforming the nature of legal practice. The aim of this unit is to give theoretically informed as well as practical experience in producing the new 'legal technologies' that are emerging as significant elements in legal industry and practice. You will also gain the knowledge, skills, and critical faculties to determine their appropriate application. Finally, you will gain insight into the interesting and challenging problems in translating legal language and legal techniques into computer code.

### LWN714 Legal Entrepreneurship and Innovation

Pre-requisites	LWN712
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SUM

In this unit you will consolidate the knowledge, mindsets, skills and methodologies developed during this course and participate in a real-world, legal-focused project across the semester. Working in virtual teams, you

will synthesise your new entrepreneurial and technology-based skills, in order to apply them to a legal-focused client brief. Through this process, you will interrogate a problem to develop innovative insights, apply design thinking methodologies to prototype a solution, and test, iterate and pivot your solution as you respond to client feedback. As a collaborative team, you will pitch your prototype to your client in a virtual pitch event. As you consolidate your skills and experience, you will create a career progression plan to identify how to grow your career and achieve your ambitions.

### LWQ164 Health Care Law and Ethics

Equivalent s	LWN164
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

The relationship between law and ethics in healthcare is important, as health knowledge and interventions and our understandings of the respective roles, responsibilities and rights of health professionals, health organisations, patients and the state, amongst others, continue to rapidly develop and evolve. This unit explores the relationship between law and ethics to lay the foundations of an understanding of both law and ethics as they relate to

healthcare.

### LWQ701 Think Like a Lawyer in the Digital World

Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit introduces you to the knowledge and skills you will need to find and analyse the laws, legal principles and regulations that regulate data use and digital technologies. If you have not studied law before, this is a critical foundation unit for the work you will do in all the other course units. If you have studied law before, this unit provides an opportunity to transfer your existing understanding and skills in locating, analysing and applying laws, legal principals and regulations, to authentic problems in the digital space.

### LWQ702 Data Privacy and Security

Pre-requisites	LWQ701 OR Admission into IQ16 OR Admission into IQ19
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

This unit introduces you to the knowledge and skills you will need to find and analyse the laws, legal principles and regulations that protect privacy in the use of digital data, particularly involving personal information and the security issues that flow. . This unit will also further your knowledge and skills in locating, analysing and applying laws, legal

principles and regulations, to real world problems in the digital context.

### LWQ703 Protect and License IP in Digital Assets

Pre-requisites	LWQ701
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

How do you protect your digital assets, logos, inventions, and creative works? What do you need to know before using someone else's digital assets? This unit will enable you to develop an awareness of how the law protects the rights of inventors, business owners, and people who create images, books, music and other works, through mechanisms such as copyright, trade mark, and patent. The unit will raise your awareness of the restrictions on accessing and using works owned by others and potential legal liabilities that can arise. The unit will also equip you to understand some of the legal mechanisms you can use to protect your own digital works and innovations.

### LWQ704 Mitigate Risks from Emerging Technologies

Pre-requisites	LWQ701
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

In many instances new technologies are impacting on society in ways that are not envisaged in existing laws and

regulations. Users and developers of emerging technologies need to understand how to apply any existing legal, regulatory and ethical frameworks to these technologies, to keep them safe whether the particular technology is specifically regulated or not.

### LWS008 Entertainment Law

Pre-requisites	LWS009 or BSB111 or LWB145 or LLB101
Anti-requisites	LWS011
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The entertainment industry involves a myriad of transactions and interactions that are governed by a wide range of laws. A basic understanding of the laws most commonly encountered in the entertainment industry should assist those involved in the industry to have a better understanding of the legal context in which they are operating. This in turn may assist them in avoiding problems, or to have a better appreciation of when they should seek professional legal assistance.

### LWS009 Introduction to Law

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

For students involved in a wide



range of industries, it is important to have a fundamental understanding of the nature of the Australian legal system. The unit introduces students to the sources of law (both cases and legislation) and will assist students in acquiring introductory knowledge about the Australian legal system and laws so that they will be equipped to complete other law units in their relevant course.

**LWS011 Journalism Law**

Anti-requisites	LWS008
Equivalent s	KKB175, KKB275
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The study of law is important for journalists as they are endowed with a public responsibility to engage in sound legal and ethical practice. The public role journalists play in society means that there is a high level of scrutiny of their actions. Legal transgressions by journalists can prove costly and painful for journalists, their families, friends, colleagues and employers. Furthermore, journalists also need to have a good working understanding of the legal framework that applies to society in general, as the law will be relevant to a wide range of issues that will be reported by journalists in their professional practice. In addition, the unit seeks to

foster an appreciation of the developing nature of the law through court decisions and its capacity to adapt to new circumstances, as well as providing you with the scope to appreciate the development of law through changes in policy through the intervention of parliaments.

**LWS012 Urban Development Law**

Equivalent s	UDB102
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit provides to students an introduction to the Australian legal environment in which context they will be working. It addresses specific legal issues that impact on urban development and is intended to inform the decisions that will need to be made while working in this area. An understanding of the legal framework is essential to professionals practising in all areas of the built environment. The foundation skills and knowledge acquired in this unit will underpin future learning.

**LWS075 International Business and Law**

Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 (Block), SEM-2 (Block) <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

This unit addresses a broad

range of legal problems that arise in the formation and operation of commercial transactions of an international nature. An understanding of the law and practice regarding international commercial transactions is a basic prerequisite for the development of trade with Australian businesses, such activity being generally recognised as crucial to Australia's economic well-being.

**LWS101 Ethics Law and Health Care**

Equivalent s	LWD101
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Nursing practice involves making decisions for, and with, others. An important requirement of such decisions is that they are consistent with nurses' public and professional responsibilities and that they serve to promote the needs of patient/clients. In short, nursing practice is guided by normative requirements. The basic requirements and considerations are established by law, ethics and professional values. The unit explores the relationship between law and ethics to lay the foundations of understanding of both law and ethics as they relate to healthcare and to your professional practice.

### MAB141 Mathematics and Statistics for Medical Science

Anti-requisites	MAN101, MAB101
Equivalent s	MAB140
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This introductory unit is designed to meet the mathematical and statistical requirements of medical science students, particularly students enrolled in Medical Laboratory Science (LS47) and Vision Science (OP45). Approximately one quarter of the unit focuses on the mathematical foundations for techniques used in manipulating medical science laboratory data. The remainder of the unit considers a range of relevant statistical techniques, addressing concepts such as which analysis methods may be appropriate for testing a given research hypothesis, how the choice of analysis method is affected by the available data and how to interpret the outcome of the formal analysis. This unit will provide you with an essential foundation in the mathematical and statistical concepts and data analysis methods that will be used in later medical science units.

### MGB200 Managing People

Equivalent s	MGX200
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b>

es	- SEM-1, SEM-2, SUM-1 <b>External</b> - XCH-1, XCH-2
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Everyone in business, government and non-for-profit organisations works with other people, and organisational behaviour provides the knowledge and tools to interact with others effectively. No matter what career path you choose, you'll find that organisational behaviour concepts play an important part in performing your job and working more effectively within organisations. In this unit we will examine how individual differences impact upon what people think, feel, and do in the workplace, and how this understanding of people can help us build more fulfilling and successful workplaces. We focus on getting the best out of people at work, including ourselves, by promoting the sustainable and ethical integration of the business needs and the individual's needs. Not only is an understanding of human behaviour and organisations fascinating, it is also necessary to succeed in today's fast-paced environment, as it can help improve organisational, managerial and personal effectiveness.

### MGB210 Managing Operations

Pre-requisites	BSB115 or BSB105
Equivalent s	MGX210
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

External	- XCH-1, XCH-2
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The production of goods or services is the core activity of all organisations, irrespective of whether the organisation is part of the private sector, the public sector, or the not-for-profit sector. While the production of goods and services is the core activity of the organisation, it is only made possible by the integrated support of other functional and administrative areas of the organisation. It is essential that you gain an understanding of the central issues in relation to the production of goods and services, and how other functional and administrative areas contribute to this core activity. A key focus of the production of goods and services is the use of different qualitative and quantitative techniques to assist in managerial decision making. This also gives the unit a broader application than simply goods and services management.

### MGB214 Introducing People Management and Analytics

Pre-requisites	24 Credit Points of Study
Anti-requisites	MGB207
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1

This unit introduces you to the strategic perspective on human resource management and the

growing use of evidence based human resource decision making to increase organisational effectiveness. This unit explores how the core roles and functions of HRM including recruitment and selection, learning and development, and performance and reward management need to be aligned with organisational strategy to achieve business goals.

**MGB225 Intercultural Communication and Negotiation Skills**

Pre-requisites	BSB108 or BSB115 or BSB119
Equivalent s	MGX225
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Understanding and managing the ways culture impacts communication within a culturally diverse workforce and negotiation in a multi-cultural environment is essential for business professionals operating in national and international contexts. By understanding cultural influences, managers can then modify their communication style to communicate and negotiate effectively with culturally diverse colleagues, competitors and clients. The aim of this unit is to provide students with key knowledge and a range of practical skills in interpersonal and corporate communication and negotiation

across various business contexts with particular emphasis on the influence of culture on communication and negotiation. This unit is fundamental to management and builds on prior core learning in management, people and organisations to provide conceptual frameworks and interpersonal skills to enhance organisational and management capabilities at local, national and international business levels.

**MGB226 Innovation, Knowledge and Creativity**

Pre-requisites	BSB105 or BSB115 or MGB200 or Completion of 96 Credit Points of Study
Anti-requisites	MGB355
Equivalent s	MGX226
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Innovation, knowledge and creativity are the key drivers of success for many of today's leading firms and are integral to an organisation's ability to survive and thrive in a competitive marketplace. This unit is based on the increasing emphasis on the role of innovation and knowledge within an organisation and how creativity and innovation can be facilitated and managed in a work setting. It also introduces you to the impact of innovation and knowledge in shaping the commercial and strategic agenda of the firm in the

competitive environment. This unit will provide you with experiences that develop your knowledge of and skills in the processes involved in managing innovation from both macro and micro perspectives. You will study the meanings and role of creativity and knowledge and how they impact on managerial strategies and tactics for fostering innovation in organisations.

**MGB227 Entrepreneurship**

Pre-requisites	BSB105 or BSB115 or Completion of 96 credit points of study
Anti-requisites	MGB223
Equivalent s	MGX227
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

The ability to think and act entrepreneurial is increasingly important in modern society, regardless of your future career. This action-oriented unit is designed specifically to enable students to walk in the shoes of an entrepreneur and to experience the excitement, challenge and unpredictable nature of identifying, developing and communicating new value creation strategies. Further, this unit provides students with the opportunity to develop potential solutions for real world problems, and to present those solutions to their peers. In addition, students will be able to reconcile their

thinking to theoretical frameworks and to past and future personal experiences. Students will learn how to reconcile their passion(s) into action using the Disciplined Entrepreneurship framework.

**MGB229 Obligations and Options for Employing People**

Pre-requisites	48cp of completed study
Anti-requisites	MGB201
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

As a Human Resource Manager you must be aware of the legal, political, social, economic, financial and ethical factors impacting choices about employing people. These are addressed in this unit through theory and practice.

**MGB230 Recruiting and Selecting People**

Pre-requisites	MGB214 or MGB207
Anti-requisites	MGB320
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1

In a competitive business environment, recruiting and selecting high-quality employees is the key to organisational success. Therefore, as a HR manager, you are required to have competencies in designing

strategic and evidence-based recruitment and selection processes. This unit equips you with the skills to develop and evaluate a fit for purpose recruitment and selection package.

**MGB306 Independent Study**

Other requisites	Subject to Unit Coordinator Approval. Students must complete at least 96 credit points of approved study to be considered for enrolment in this unit.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit involves a structured program of study focusing on a select topic or set of topics which you have identified as significant to your professional development in the HRM or Management disciplines. You will contact the unit coordinator before Week 1 to discuss your proposed project and develop an individually tailored learning contract specifying the activity program, assessment submissions, timelines and supervision arrangements. Individual programs will be developed in conjunction with and approved by the unit coordinator before the start of semester. The unit is designed to provide valuable professional portfolio building through advanced level examination of content and the development of self-directed learning skills.

**MGB309 Managing Strategically**

Pre-requisites	Completed 192cp of which 48cp are management major units
Equivalent s	MGX309
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This capstone unit is in the mastery stage of your course and provides you with opportunities to integrate your insights of your various functional disciplines in the context of an organisation's strategy. Students from different majors can draw on their education thus far and use it in understanding how every aspect of an organisation such as HR, Finance, and Marketing play roles in strategy. Managers don't just analyse; they make decisions and have to adapt to the consequences. By using a case-based project as the core learning vehicle, this unit will provide you with the unique opportunity to experience how to carry out a strategic evaluation process on an organisation, using the gathered insights to build a suitable strategy. You will be able to provide evidence of your own skills in managing yourself, your team and your organisation strategically.

**MGB310 Managing Sustainable Change**

Pre-requisites	MGB200 or BSB250
Equivalent s	MGX310



## Units

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Corporate sustainability has been widely acknowledged as fundamental to the performance and ongoing success of organisations. A sustainable organisation is recognised as one that manages its processes, products and people in an ecologically aware and socially responsible manner. Understanding the processes through which sustainability issues can be integrated into broader corporate strategy and practices is a key element for organisational success and the ability to plan and manage the change programs needed to make these shifts are integral management competencies. This unit focuses on key concepts and ideas of organisational sustainability including stakeholder engagement and the human dimensions of change. The unit will prepare you to make a significant contribution to the sustainable development of organisations and society through the development of your critical thinking and communication skills.

### MGB324 Managing Business Growth

Pre-requisites	MGB223 or MGB227
Equivalent s	MGX324
Credit Points	12

Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit examines the venture growth processes for entrepreneurial managers. It focuses on the post start-up issues for the entrepreneurial venture and allows you to analyse exiting venture operations. The unit considers the rapid growth issues in business ventures and examines how to grow and manage in the post start-up phase. This unit is designed for those individuals interested in owning, or who currently own, their own venture and for those working in industries as employees or wishing to work in the growing organisations.

### MGB331 Developing People

Pre-requisites	MGB214 or MGB207
Equivalent s	MGX331
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

We live in exciting times with technology driving change at an ever-increasing rate. To remain competitive in this world, organisations and individuals need to be adaptive and flexible. This means being able to effectively analyse and assess current capabilities and then take necessary organisational learning and development action. This Unit

provides you with the knowledge and skills required to carry out these functions and in so doing gives you the tools needed to be a positive driver of organisational success.

### MGB335 Managing Projects

Pre-requisites	MGB210
Anti-requisites	KXB202
Equivalent s	MGX335
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Organising by projects is the 'wave of the future in global businesses' due to increasing technical and product complexity, shortening time for market windows, and the need for cross-functional integration and fast responses to changing client needs. This mastery level unit refines knowledge and skills in effectively managing projects, gained by focusing on the central issues of project selection, planning, implementation, control and evaluation. It integrates the socio-cultural elements of management including leadership, problem-solving, politics, teamwork and negotiation with the technical elements of scope, work breakdown structure, scheduling and resource allocations to identify the importance of links to other management dimensions such as strategy and structure.

**MGB338 Workplace Learning**

Pre-requisites	192 Credit Points of completed study
Other requisites	Grade Point Average (GPA) of 4.0 or higher; and undertaking a major in Human Resource Management (HRM) or Management.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides an opportunity for you to gain professional experience in the HRM or Management discipline and to concurrently examine the nexus between work and learning. The internship or project will permit both a broad exposure to the field as well as an in-depth focus on subject matter. In addition, the unit is designed to assist you to develop self-insight in to your personal and professional strengths, developmental needs and career preferences. Skills in self-directed learning, project management and reflective practice will all be developed. Finally, as the unit is positioned towards the end of the degree program, it is designed to assist in your transition from undergraduate student to beginning practitioner.

**MGB339 Managing Performance and Rewards**

Pre-requisites	MGB214 or MGB207
Equivalent s	
Credit	12

Points	
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Performance and reward management is a key functional area of HRM and is of critical importance in supporting organisations to maintain its competitive advantage. Therefore, and it is imperative that you understand the strategic framework and the underlying psychological principles. This unit contributes significantly to your understanding of people management, your HR diagnostic skills and your ability to develop HR policies and procedures to support employee, manager and organisation effectiveness.

**MGB340 International Business in the Asia-Pacific**

Pre-requisites	MGB225
Equivalent s	MGX340
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

Australia is situated in the fastest growing region in the world - the Asia-Pacific rim. Furthermore, Australia already works closely with many of the economies in the region and thus managers need to be fully prepared to manage in cultural different environments. This unit exists to inform future business professionals about

business environments, how to identify risks and, from a hands-on perspective, learn best practices to address such risks within countries of this region.

**MGB341 Managing Risk**

Pre-requisites	MGB200 or MGB226
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

An understanding of risk management, in theory and practice, is essential for ensuring resilient and sustainable organisations. Effective risk management outcomes result from the analysis of uncertainties embedded in human knowledge, systems of management and processes in commerce, and from implementing mitigation strategies generated to address these factors. This unit seeks to introduce students to current Risk Management models and apply them in the context of current national and international risk standards.

**MGB372 Creating Value through People**

Pre-requisites	192cp of previous study including 48cp of HRM major units
Anti-requisites	MGB370
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2

**External**  
- XCH-1, XCH-2

A successful human resource professional requires more than content knowledge and technical skills. They also need to influence decision making through clearly articulating and demonstrating the strategic and operational value of HR practices. This capstone unit provides final year human resource students with real world opportunities to integrate and apply the content knowledge of various human resource functions and evidence based practice to demonstrate the value human resource management creates for diverse organisation.

### MGN409 Management Theory and Practice

Anti-requisites	GSN401 and GSZ401
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - SEM-1, SEM-2, SUM-1, XCH-1, XCH-2

In addition to the basic functions of management, the changing nature of managerial work emphasises the importance of facilitating, developing and integrating the organisation's human, physical and other resources. This unit examines current approaches to managing and leading; and the challenges of managing contemporary organisations amid discontinuous change.

### MGN410 Employment Relations

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

The rationale for this unit stems from the theoretical and practical dimensions of the relationship between managers and employees. The broad focus is on the employment relationship, the organisation of work and relevant managerial strategies. The unit also analyses the context of labour - management relations, particularly industrial relations institutions and labour markets. The unit will examine recent legislative, economic, political and social changes on work organisations, such as deregulation and flexibility, and the responses of management and employees.

### MGN412 Organisational Behaviour

Anti-requisites	GSN409, GSN419 and GSZ409
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2, XCH-1, XCH-2

Formally and informally, people live and work in organisations. The rationale for this unit's inclusion in the curriculum is that only through an understanding of the relevant individual, group and organisation dynamics will graduates be able to function

effectively as leaders and managers, facilitating productivity through efficiency and effectiveness of behaviour and practice, while simultaneously enhancing sustainability and high performance at each level.

### MGN421 Strategic HRM

Pre-requisites	MGN506 and 84cp of other MGN units
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit is the capstone for the Master of Business (HRM) and is aimed at building on your understanding of HR functions, strategies and practices gained in other postgraduate HRM Units, therefore it is expected you undertake this in your final year. The unit also encourages you to bridge the gap between HRM research and practice by engaging with scholarly research and translating this into practical advice for business leaders. Finally the unit focusses on you as an HR professional and the role you play in an organisation.

### MGN423 Contemporary Strategic Analysis

Anti-requisites	BSN407 and MGN504
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - SEM-2, XCH-1, XCH-2



The everyday reality of managers is that they have to make decisions related to various parts of the organisation and its environment. Contemporary Strategic Analysis will bring together various elements of management learned in other postgraduate units to provide you with a more holistic view on strategic problems that will allow you to make superior strategic decisions. You will have the opportunity to gain practical experience with making strategic decisions through managing your own company in a simulated environment. By understanding the nature and determinants of contemporary strategy, students will be well positioned to take a more strategic perspective in their organisational activities.

### MGN428 Developing Entrepreneurial Mindsets

Anti-requisites	GSN410, GSZ410
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - SEM-1

This unit is designed for those interested in the processes of entrepreneurship, innovation and business start-up. Specifically the unit has been designed for managers, human resource managers, business people, professionals in IT, industrial design and engineering graduates, advisors to business start-ups, those proposing to pursue

entrepreneurial opportunities. Acting upon entrepreneurial intentions is an activity that few are able to make happen, even though many seek to this end. This unit concentrates on understanding the 'know how' of all the strategic areas of new venture creation and provides you with the opportunity to use these tools and analytical techniques.

### MGN431 Strategic Human Resource Development

Pre-requisites	MGN440
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides a coherent theoretical and practical framework for planning and implementing Human Resource Development (HRD) within today's organisations. It examines relevant research and theoretical approaches to provide a foundation for understanding the strategic development of learning and skills in the workplace. It relates these in a practical way to contemporary human resource development challenges in organisations. MGN431 establishes the contribution of HRD processes to the achievement of an organisation's vision, goals and strategy.

### MGN432 Contemporary Entrepreneurship

Pre-requisites	MGN428
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Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Entrepreneurship is the creation of new and growth of existing businesses. Fostering entrepreneurship has become a strategic priority of countries and companies around the world. This unit is designed to equip students with state-of-the-art techniques developed by leading universities, innovators, and entrepreneurs that allow them to pursue high-impact entrepreneurship.

### MGN433 Managing High-Performance Organisations

Pre-requisites	MGN409 and 48 credit points of MGN units
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

The unit helps to consolidate learning gained across your program of study, extend your critical thinking through application, and support your transition from study into work. The unit is the Capstone unit for the Management Major, therefore it is expected you undertake this in your final year. It connects learning with the real world experience by addressing practical implementation of current practices adopted by successful high-performance organisations worldwide. You will have the opportunity to broaden your management skills and knowledge within the



## Units

context of high-performance organisations by critically engaging with the relationship between people management and general management issues and processes.

### MGN434 Organising and Leading Projects

Pre-requisites	48cp of completed postgraduate study
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit builds on the work you have undertaken in the introductory units of management in this course including Management, Theory and Practice, Creating New Ventures and Contemporary Strategic Analysis. This unit provides you with opportunities to build individual and team based knowledge in project management, practice your skills in a group as consultants by designing a program of change to meet stakeholder requirements and offer appropriate recommendations to your client to achieve performance improvement through the management of change. The unit prepares you for developing your own projects of work and for undertaking the capstone unit in Managing High Performance Organisations.

### MGN440 HRM Theory and Practice

Anti-requisites	MGN427
Equivalent s	MGX440
Credit	12

Points	
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - XCH-1, XCH-2

This unit examines the contribution of human resource management to sustainable competitive advantage and organisational effectiveness. HRM is considered from stakeholder, strategic and functional perspectives. The unit fosters discipline knowledge, analytical and action orientated competencies and prepares students for advanced study in the field. This unit will provide you with an understanding of the interplay between organisational effectiveness, long-term sustainability, and the management and organisation of people in the workplace. This unit is the foundation unit in HRM in the MBus (HRM) and related courses. It overviews the profession of HRM and the practice of the HR Professional in the organisation.

### MGN441 Coaching for Leadership Development

Anti-requisites	GSN620, GSN621, GSZ620, GSZ621
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is a developmental level unit which supports students to understand how coaching can contribute to leadership

development and begin to develop coaching skills. Coaching has emerged as a popular and powerful intervention for improving the performance and satisfaction of individual leaders. More recently, its use has expanded into a number of related organisational interventions. Human resource professionals are often responsible for making decisions about the way in which coaching is used in organisations, particularly in relation to leadership development. Leaders within organisations are also increasingly involved in coaching staff. This unit will equip you with understanding the relationships between coaching, leadership development and a coaching culture and begin to develop your skills as a coach.

### MGN442 Self Leadership

Anti-requisites	BSN201, GSN620, GSN621, GSZ620, GSZ621
Credit Points	12
Campus	Online, Gardens Point, EXCHANGE and External
Availabilities	<b>Online</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - XCH-1, XCH-2

In today's contemporary business environment, professionals need to be empowered to manage their own development and growth. Rather than relying on an organisation or manager to make organisational life meaningful and effective, positive self-leadership training is focused on how an individual can foster change in his or her own personal and work life.

Therefore the Self-leadership unit is focused on you and your professional development, and will require you to evaluate and reflect upon your leadership capability, including gathering feedback from others in order to generate an action plan for personal growth and change.

### MGN443 Talent Management

Anti-requisites	MGN429
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Change in our demographic and social circumstances, technological shifts and economic globalisation are radically reshaping the business landscape. These pressures have made attracting, retaining, and engaging talented employees a strategic priority for many organisations. These shifts have, however, outstripped the adaptive capacity of traditional workforce planning methods. Talent management provides an alternative by focusing on configuring and tailoring HR systems for specific talent pools. It involves the systematic identification of key critical positions which differentially contribute to the organisation's sustainable competitive advantage, anticipating the need for these critical positions and then developing and implementing differentiated plans to meet this need. Crucial components of these differentiated talent plans

are effective, valid, evidence based, equitable, and tailored recruitment and selection, and performance and reward strategies.

### MGN444 Business in Asia

Equivalent s	MGX444
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Business professionals need to be able to operate effectively in different regions of the global economy. The business environments within Asia have significant shared features as a consequence of both past and recent political, economic and social developments but have been experienced differentially. The substantial size and global impact of the Asian economy demands that anyone pursuing a career in business or public policy pertaining to business should develop a thorough understanding of the Asian business environment. This unit exists to inform future business professionals about business environments, how to identify risks and, from a hands-on perspective, learn best practices to address such risks within countries of this region.

### MGN445 Business in Europe

Equivalent s	MGX445
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b>

- XCH-1, XCH-2

The European Union is not only the largest market in the world, its influence extends far beyond its borders. EU's trade and monetary policies directly influence the strategies of companies around the world. Having an understanding of how the European Union and its business environment operates is vital knowledge for every manager working in an international business environment. We will discuss contemporary issues and trends in Europe that will support students in making a successful transition to an international work setting.

### MGN446 Business in Australia

Equivalent s	MGX446
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit presents students new to Australia with an introduction to the Australian business environment and Australian industries that will be of practical use for both studying and conducting business in Australia. The curriculum in this unit is designed for INTERNATIONAL STUDENTS to facilitate a critical knowledge of Australian culture(s), including Indigenous cultures, the external forces and institutional dynamics that shape Australian businesses and the challenges that managers must address within them.

### MGN447 Managing in a Globalised Economy

Equivalent s	MGX447
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM-1 <b>External</b> - SEM-1, SEM-2, SUM-1, XCH-1, XCH-2

Students entering the program, particularly those entering with a non-business background or non-international business background, need a grounding in how the conduct of business operating in the global economy is distinct from that of domestic business. The additional complexity of international business operations is both one of degree as well as one of context. Business must operate in diverse foreign environments and engage in specialised types of transactions. To succeed in international business requires functional understanding of the threats and opportunities arising from the diversity of markets and the growth of globalisation, the nature and role of business operations in the international value chain and the management and control of international business operations.

### MGN448 Negotiating Across Borders

Anti-requisites	GSN462
Equivalent s	MGX448
Credit Points	12
Campus	Gardens Point,

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

In the contemporary global business environment, negotiators who understand how culture affects negotiating processes and outcomes have a decided advantage at the bargaining table. The purpose of this unit is to help you understand and apply the theory and processes of negotiation.

### MGN505 Consulting and Change Management

Equivalent s	MGZ505
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Technological shifts, social change, uncertain economic conditions and the emergence of new business models have created a highly competitive and dynamic business environment. In this new era, the effective management of change has become essential for sustained organisational success, and has become an essential competency for management professionals. This unit explores the complexities of change management and develops student competencies in planning organisational change.

### MGN506 Contemporary Issues in Human Resource Management

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit is designed to familiarise Masters and Honours students with significant current and future issues affecting the management of Human Resources in organisations. The focus on contemporary trends and issues impacting and influencing Human Resource Management (HRM) are relevant to not only HRM majors but also any current or future manager to understand how to anticipate how work might be managed best in the future. Connecting theory with practice the unit begins with an overview of current issues impacting on HRM which students then research. Consequently, the unit content may vary each semester according to which issues are identified as significant at the time.

### MGN509 HRM Project 1

Other requisites	Subject to Unit Coordinator approval.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit involves a structured course of study focusing on a selected topic or set of topics



which you have identified as significant to your professional development in the HRM discipline. The primary purpose of the unit is to augment or extend your professional knowledge beyond classroom instruction, to develop applied research skills, to integrate learning with work, and provide an opportunity for self directed learning. In order to achieve these purposes, you will develop an individually tailored learning contract. The specific program of study requires approval from the Unit Coordinator.

### MGN510 HRM Project 2

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit offers students with a project idea the opportunity to identify a suitable supervisor and explore a selected topic or set of topics which they have identified as significant to their professional development in the HRM discipline. The primary purpose of the unit is to augment or extend a student's professional knowledge beyond classroom instruction, to develop applied research skills, to integrate learning with work, and provide an opportunity for self-directed learning. In order to achieve these purposes, students will develop an individually tailored learning contract. The specific program of study will be developed in conjunction with an identified supervisor and must be approved by the Unit

Coordinator.

### MGN534 Contemporary Issues in Entrepreneurship

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

The unit introduces the students to the field of entrepreneurship research and the problems, theories and methods that are prevalent in entrepreneurship research. Students learn to 'know the field' including its contemporary research questions and approaches as well as its history and 'infrastructure' of journals, conferences and research centres. The student will develop an ability to assess the strengths and weaknesses of the field and gain insights into where and how they can contribute to its research frontier. Entrepreneurship is a very important social phenomenon and a rapidly growing area of academic research and teaching. Therefore, all research students in business and economics benefit from a thorough orientation in this area. For research students specializing in entrepreneurship the unit is indispensable.

### MXB100 Introductory Calculus and Algebra

Anti-requisites	MAB125,MZB125
Equivalent s	MAB100,MAB120,MAB180
Credit Points	12
Campus	Gardens Point,

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit builds on high school calculus by exploring derivatives, integrals and differential equations. It also introduces the basic theory of matrices, vectors and complex numbers. The ability to apply these concepts and techniques, and express real-world problems in mathematical language, is essential in quantitative fields such as science, business and technology. This is an introductory unit, which attempts to establish foundational skills that you will extend in subsequent discipline-specific units. This unit is particularly intended for students whose mathematics preparation does not include Queensland Senior Mathematics C or an equivalent.

### MXB101 Probability and Stochastic Modelling 1

Equivalent s	MAB210
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces probability and shows you how to apply its concepts to solve practical problems. The unit will lay the foundations for further studies in statistics, operations research and other areas of mathematics and help you to



develop your problem-solving and modelling skills. The topics covered include: basic probability rules, conditional probability and independence, discrete and continuous random variables, bivariate distributions, central limit theorem, and introduction to Markov chains. This unit is appropriate for those requiring an introduction to, or a refresher in, probability. The concepts in this unit will be extended in MXB241.

### MXB102 Abstract Mathematical Reasoning

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Mathematics is, at its heart, axiomatic: each new mathematical statement follows logically from previous statements and ultimately derives from the axiomatic foundations. This unit establishes the foundations of abstract mathematical reasoning, introducing the view of mathematics as axiomatic and emphasising the role of proof in mathematics. Fundamental concepts and tools including logic and sets, number systems, sequences and series, limits and continuity are covered. The tools established in this unit will serve as a foundation throughout your mathematics studies.

### MXB103 Introductory Computational Mathematics

Equivalent s	MAB220
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Many real world phenomena are modelled by mathematical models whose solutions cannot be found analytically. To solve these problems in practice, it is necessary to develop computational methods, algorithms and computer code. This unit will introduce you to numerical methods for addressing fundamental problems in computational mathematics such as solving nonlinear ordinary differential equations, finding roots of nonlinear functions, constructing interpolating polynomials of data sets, computing derivatives and integrals numerically and solving linear systems of equations. This is an introductory unit providing fundamental skills in computational mathematics and their practical implementation using relevant computational software. This unit will be essential throughout the remaining parts of your degree. MXB226 Computational Methods 1 builds on this unit by extending your computational and programming skills to more challenging problems and more sophisticated algorithms.

### MXB105 Calculus and Differential Equations

Anti-	PVB201, PVB200
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requisites	
Equivalent s	MAB121
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1

Calculus and differential equations are used ubiquitously throughout mathematics, statistics and operations research. In this unit, you will build upon the foundations of calculus established in high school or in earlier university mathematics study, to greatly enhance your repertoire of theory and practice in these areas. The application of calculus and differential equations in the description and modelling of real-world problems will also be considered. This unit will extend your problem-solving skills, range of knowledge and use of techniques in differential and integral calculus. These theoretical concepts and their applications will be pursued further in MXB202 Advanced Linear Calculus.

### MXB106 Linear Algebra

Anti-requisites	PVB202
Equivalent s	MAB112, MAB122, MAB132
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is a foundational unit in linear algebra which introduces core algebraic concepts, as

well as theoretical and practical tools, that will be of central importance to solving real-world problems in science and engineering by mathematical methods. Linear algebra is fundamental to most branches of mathematics, finding widespread applications in mathematical modelling, statistics, finance, economics, information technology, operations research, and computational mathematics. This unit aims to cultivate a deep understanding of the basic mathematical structures of linear algebra, including vector spaces and linear combinations, matrix transformations, invariant subspaces and eigenvalue problems. These theoretical concepts and their applications will be pursued further in MXB201 Advanced Linear Algebra.

### MXB107 Introduction to Statistical Modelling

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Statistical modelling provides methods for analysing data to gain insight into real-world problems. The aim of this unit is to introduce a wide range of fundamental statistical modelling and data analysis techniques, and demonstrate the role they play in drawing inferences in real-world problems. This unit is designed around the exploration of

contemporary and important issues through the analysis of real data sets, while simultaneously and necessarily building your statistical modelling expertise. You will learn how to propose research questions, analyse real data sets to attempt to answer these questions, and draw inferences and conclusions based on your findings. The importance of ethical considerations when dealing with real data sets will be emphasised. The R programming language will be introduced, and you will gain experience and build your expertise in using this industry-leading software to conduct statistical analyses.

### MXB161 Computational Explorations

Pre-requisites	Admission to (MS01 or IX30 or SE20 or SE30 or SE40 or SE70 or ID28) or 48 credit points of study in current course
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces you to techniques of computation and simulation across a range of application areas in Science, Technology, Engineering and Mathematics (STEM). Computation and simulation are cornerstones of modern practice across STEM; practitioners skilled in these areas can explore behaviours of real-world systems that would be impractical or impossible to undertake using

only theoretical or experimental means. In this introductory unit, you will develop your computation and simulation skills through individual and collaborative problem-solving activities. Further exploration is available through the faculty-wide second major or minor in Computational and Simulation Science.

### MXB201 Advanced Linear Algebra

Pre-requisites	MXB102 and MXB106
Equivalent s	MAB312
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Much of the power of linear algebra stems from its widely-applicable collection of analytical tools for applied problem-solving. This unit builds upon your knowledge of linear algebra to explore more advanced techniques and applications of matrices and vectors. Furthermore, you will learn how much of what is familiar about linear algebra in Euclidean space can be abstracted to develop a more generally applicable theory. Hence you will develop an appreciation for the power and versatility of linear algebra across the mathematical sciences.

### MXB202 Advanced Calculus

Pre-requisites	MXB105 and MXB106
Equivalent	MAB311

## Units

s	
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Advanced calculus is fundamental to the study of applied mathematics and related quantitative disciplines such as physics, physical chemistry and engineering. This unit introduces you to new skills and methodologies in multivariable and vector calculus that are essential to the study of science, technology and engineering, and it also provides you with the necessary background to go on to more advanced study in applied mathematics, such as partial differential equations and advanced mathematical modelling. This unit builds on your introductory calculus and linear algebra skills developed in MXB105 Calculus and Differential Equations and MXB106 Linear Algebra, and will further develop your ability to decompose complex problems into smaller components, resolve these smaller components and hence solve the original problem.

### MXB225 Modelling with Differential Equations 1

Pre-requisites	MXB105
Equivalent s	MAB413, MXB221
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Differential equations are commonly used to formulate mathematical models of real-world phenomena from across science, engineering, economics and beyond. This unit builds on your earlier studies of differential equations to consider how such models are constructed, how to obtain analytical solutions, and how to use these models and their solution to gain insight into real-world processes.

### MXB226 Computational Methods 1

Pre-requisites	MXB103 and MXB201
Equivalent s	MAB420, MXB222
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is a foundational unit for Computational Mathematics. It introduces the design and implementation of mathematical models that can then be solved using techniques in Computational Mathematics. These techniques will be analysed for important properties such as efficiency, stability, convergence and error. The main topics that will be covered include: finite difference methods for models of heat diffusion in two dimensions; direct and iterative methods for linear systems; efficient storage of data; approximation; numerical integration; numerical methods for ordinary differential equations.

### MXB232 Introduction to Operations Research

Pre-requisites	MXB106
Equivalent s	MAB315
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Operations Research (OR) is a mathematical approach to decision making. The predominant goal of OR is to determine how best to design, operate, manage, and predict behaviour of complex systems. The cornerstone of OR is formulating and solving mathematical or computational models to extract the best, or optimal, decisions. The purpose of this introductory unit is to introduce students to foundational OR methods and techniques to solve management and optimisation problems. It provides the theoretical foundation for future studies in OR and builds upon earlier studies in linear algebra. This unit aims to develop students' ability to apply various OR methods, algorithms, and techniques in the solution of practical, real-world problems in contexts such as the environment, agriculture, industry, finance, and healthcare.

### MXB241 Probability and Stochastic Modelling 2

Pre-requisites	MXB101 and MXB105
Equivalent s	MAB314
Credit	12

## Units

Points	
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

It is important to develop skills and knowledge in both statistics and mathematics. Building on the methodology and skills developed in previous studies in probability and stochastic modelling, this unit provides you with formal statistical tools such as stochastic process models and statistical methods for theoretical and applied development. These methods are useful in a wide range of areas, from communication systems and networks to traffic to law to biology to financial analysis, and link with other modern areas of mathematics. This unit will provide opportunities to learn how to build statistical models of real world processes, acknowledging the assumptions inherent in selected models. The skills developed in this unit will be integral in the understanding of material throughout your studies in statistics and mathematical modelling.

### MXB242 Regression and Design

Pre-requisites	MXB107
Equivalent s	MAB414
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b>

- XCH-1, XCH-2

This is an intermediate applied statistics unit addressing the collection (design of experiments), exploration, summarisation, analysis and reporting of continuous data. You will analyse data using general linear models and communicate findings using oral and written methods. You will use mathematical and statistical software, such as R, to enhance your data analysis and develop your statistical programming skills. The application of statistical data analysis is pervasive across Engineering, Science, Health and Business. Hence, this unit is suitable for both Mathematics students and students in other disciplines. This unit is intended for students who have completed foundation studies in statistical data analysis and who wish to develop further skills in applied statistics. MXB344 Generalised Linear Models builds on this unit by considering the analysis of binary, categorical and count data. MXB343 Modelling Dependent Data extends this unit for data that are not independent.

### MXB261 Modelling and Simulation Science

Equivalent s	INB360, MAB480
Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

With the rapid development in both computing hardware and its application to advanced

scientific problems that require computational solutions, there is a need for IT, Maths and Science students to have a practical understanding of Computational and Simulation Science. This unit aims to provide you with the knowledge to apply computational simulation techniques in a selection of application areas where the scientific problems are characterised by widely varying scales, both in space and time. You will use relevant programming softwares to develop and implement simulation algorithms together with analysis of resulting data using multi-dimensional visualisation techniques. You can further develop visualisation skills through units MXB262 Visualising Data and MXB362 Advanced Visualisation and Data Science, as well as extending your knowledge of computational science through the unit MXB361 Aspects of Computational Science.

### MXB262 Visualising Data

Pre-requisites	MXB161 or MXB261 or MZB126
Equivalent s	MAB481
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Visualisation is critical for exploring and communicating science and engineering data. Modern visualisation techniques and systems are needed to efficiently explore



such data. This unit introduces you to data visualisation concepts and techniques, along with practical experience exploring and dynamically visualising complex data. You will develop an understanding of the fundamental concepts and techniques used in data visualisation through practical, real-world examples in contexts such as the environment, agriculture, industry, engineering, and healthcare. You will follow the visualisation pipeline from importing, to visualising, to communicating data. An emphasis will be placed on effective visual communication, and high-quality, fit-for-purpose representations of 2D, multi-dimensional, and network data.

### MXB322 Partial Differential Equations

Pre-requisites	(MXB201 and MXB202) or MXB225 or MXB221 or MAB413
Equivalent s	MAB613
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Partial differential equations are the foundation of mathematical models that describe evolving processes exhibiting spatial and temporal variation. In this unit you will learn how the study of such equations synthesises and extends many of the concepts you have learned previously in linear algebra and calculus. The powerful frameworks of

Fourier analysis and integral transforms that underpin partial differential equations provide a means for obtaining solutions to a number of equations of unparalleled physical importance, and for understanding the behaviour of mathematical models more generally.

### MXB323 Dynamical Systems

Pre-requisites	MXB221 or MAB413
Credit Points	12
Campus	null

Dynamical Systems is a term used to represent the analysis of time-varying systems. Such systems exhibit a variety of behaviours including exponential approaches to equilibrium states, periodic or oscillatory solutions, or unpredictable chaotic responses to simple inputs. The study of dynamical systems employs topological and function space concepts to provide the analytic structure to systems of nonlinear and linear ordinary differential equations, and as such forms the basis for the mathematical interpretation and understanding of numerous real-world systems. This unit is an exploration of the more technical aspects of the theory of solutions to systems of ordinary differential equations and as such builds on your prior understanding of such equations as done in, for instance, MXB221 Ordinary Differential Equations and MXB225 Modelling with Differential? Equations, while providing the support for the

exploration of an exciting area of modern mathematics.

### MXB325 Modelling with Differential Equations 2

Pre-requisites	MXB202 and (MXB225 or MXB221)
Equivalent s	MAB521, MXB321
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Among the variety of differential equations encountered in applied mathematics, equations modelling the transport of quantities such as mass and energy are especially important. This unit significantly extends your repertoire by considering models with greater mathematical complexity than you have previously encountered, drawn from and representative of a variety of important real-world applications. Such complexity necessitates greater ingenuity in the analysis and solution of the governing equations, which will harness and extend your full knowledge of modelling with differential equations.

### MXB326 Computational Methods 2

Pre-requisites	MXB202 and (MXB226 or MXB222)
Anti-requisites	EGB324
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Advanced computational

methods underpin essentially all modern computer simulations of complex real-world processes. This unit will significantly extend your toolset of computational methods, particularly for the solution of complex partial differential equation models of real phenomena. You will gain critical expertise and experience at building practical, efficient computer codes which will leverage advanced theoretical and algorithmic considerations that draw upon your full range of mathematical and computational knowledge and skills in linear algebra and calculus.

### MXB328 Work Integrated Learning in Applied and Computational Mathematics

Pre-requisites	MXB326 and (MXB225 or MXB221)
Anti-requisites	
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Throughout your course, you have been building your discipline skills and your understanding of contemporary industry practice. This capstone unit provides you with the opportunity to bring together the skills that you have developed throughout the applied and computational mathematics major, combining them in a coherent manner to solve a significant and relevant real-world problem from industry. Your experience will reflect the genuine practice of

an applied mathematician in the workforce.

### MXB332 Optimisation Modelling

Pre-requisites	MXB232 or MAB315
Equivalent s	MAB525
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Operations research techniques are used in numerous industries and are critical for decision making. These industries need graduates who can apply techniques of mathematical modelling, statistical analysis, mathematical optimisation and simulation and can implement these techniques using appropriate computer software packages. This unit will build upon the content of MXB232 by introducing more advanced “intermediate” level operations research methods and techniques. The topics addressed in this subject are vital in this field and are critical for advanced applications and studies in this field. Topics covered include: model building in mathematical programming, modelling language - OPL, integer programming and branch-and-bound method, introduction to inventory theory, dynamic programming; and computer solutions of advanced linear programming problems and their analysis.

### MXB334 Operations Research for Stochastic Processes

Pre-requisites	MXB232 and MXB241
Equivalent s	MAB625
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit provides you with the opportunity to apply your knowledge and skills in operations research to guide decision-making for complex real-world problems. Your previous learning in deriving and solving operations research problems was mostly dealing with a decision making in a deterministic setting. The focus here is to optimize decision making when there is uncertainty and stochastic variables. Combined with the operations research expertise you have acquired over your degree, you will be able to formulate and solve these complex decision problems using computational tools.

### MXB335 Advanced Optimisation Modelling

Pre-requisites	MXB232
Credit Points	12
Campus	null

Operations research techniques are used in numerous industries and are critical for solving the complex decision problems that companies face. Production planning and scheduling optimisation in particular are some of the most challenging and useful application areas of

operations research. This unit leverages core concepts of optimisation modelling introduced in earlier units, and introduces students to development and implementation of bespoke algorithms to solve challenging problems.

### MXB338 Work Integrated Learning in Operations Research

Pre-requisites	MXB334 and MXB332. MXB334 can be studied in the same teaching period as MXB338
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Throughout your course, you have been building your discipline skills and your understanding of contemporary industry practice. This capstone unit provides you with the opportunity to bring together the skills that you have developed throughout the operations research major, combining them in a coherent manner to solve a significant and relevant real-world problem from industry. Your experience will reflect the genuine practice of an applied mathematician in the workforce.

### MXB341 Statistical Inference

Pre-requisites	MXB241 or MAB314
Equivalent s	MAB524
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1

**External**  
- XCH-1, XCH-2

This is an advanced unit in mathematical statistics covering the theory of point estimation and inference using both classical and Bayesian methods. Statistical inference is the practice of both estimating probability distribution parameters and using statistical testing to validate these results, and plays a crucial role in research, and many real-world applications. You will use the methods of least squares, moments, and maximum likelihood to construct estimators of probability distribution parameters and evaluate them according to criteria including completeness, sufficiency, and efficiency. Results will be computed both analytically and numerically using software such as R. You will learn and apply the Neyman-Pearson Lemma for the construction of statistical tests, including to real-world applications, and learn Bayesian statistics for finding posterior distributions of parameters and evaluating their performance. Results will be communicated both orally and in written form.

### MXB343 Modelling Dependent Data

Pre-requisites	(MXB242 or MAB414) and (MXB341 or MAB524)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

In many studies, observations can be correlated. For example, we often see temporal lingering effects over time in time series, or genetic effects in litters or repeated measures from patients in medical trials. This unit is about using statistical methodology to achieve efficient inference that appropriately takes into account dependencies in such datasets. Many examples and analysis using software such as R packages are involved.

### MXB344 Generalised Linear Models

Pre-requisites	MXB242
Equivalent s	MAB624
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

For data that arise in, for example, science and commerce, it is often unreasonable to assume they are continuous random variables from a normal distribution. It is likewise unlikely that data are handed to an analyst in a state ready for advanced statistical techniques. In this unit you will be introduced to modelling techniques and methodology for the explanation of non-normal data. You will also learn, by way of a realistic project, techniques to overcome common issues with shaping data for analysis. Hence, you will be well prepared in the application of



appropriate statistical practice when such data are encountered in the real world.

### MXB348 Work Integrated Learning in Statistics

Pre-requisites	MXB341 and MXB343. MXB343 can be studied in the same teaching period as MXB348
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Throughout your course, you have been building your discipline skills and your understanding of contemporary industry practice. This capstone unit provides you with the opportunity to bring together the skills that you have developed throughout the statistics major, combining them in a coherent manner to solve a significant and relevant real-world problem from industry. Your experience will reflect the genuine practice of a statistician in the workforce.

### MXB361 Aspects of Computational Science

Pre-requisites	MXB261 or MXB262
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

With the rapid development in computing hardware, algorithms, AI and their applications to advanced scientific problems that require computational solutions, there is a need for IT, Maths, Science and Engineering

students to have a practical understanding of Computational Science. This unit aims to provide you with the knowledge to apply computational techniques for problem-solving in a variety of application areas you are likely to encounter in your early careers, whether in industry or in further study. This unit will equip you with an understanding of different application areas requiring modern computational solutions, particularly as they relate to complex systems; you will have the opportunity to implement such computational techniques and analyse and interpret the resulting data.

### MXB362 Advanced Visualisation and Data Science

Pre-requisites	MXB262
Equivalent s	MAB681
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1

Data visualisation is an essential element of modern computational and data science. It provides powerful tools for investigating, understanding, and communicating the large amounts of data that can be generated by computational simulations, scientific instruments, remote sensing, or the Internet of Things. The aim of this unit is to explore the issues, theories, and techniques of advanced data visualisation. This unit

develops theoretical and practical understandings of the major directions and issues that confront the field. A selected number of advanced data visualisation techniques will be examined in detail through specific examples. The practicals will reinforce lecture content and extend your applied skills and knowledge in data visualisation, including specific methods. A focus of the unit is the development of real world data visualisation skills and experience, based on a major data visualisation case study.

### MXB371 Research Project 1

Equivalent s	MAB687-1, MXB381-1
Other requisites	Unit coordinator approval and a minimum GPA of 5.5 in the Bachelor of Mathematics
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit provides you with an opportunity to undertake a research project under the supervision of an academic staff member and optionally an industry partner. You will apply your mathematical and statistical training to contribute to the advancement of knowledge in a problem of contemporary and/or industrial interest. This unit provides an excellent preparation for, and introduction to, the type of research undertaken in Honours and Higher Degree Research studies. The research project can be a self-



contained 12 credit point project, or you can undertake a 24 credit point research project by concurrently or subsequently enrolling in MXB372 Research Project 2.

### MXB372 Research Project 2

Pre-requisites	MXB371. MXB371 can be studied in the same teaching period as MXB372
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit provides you with an opportunity to undertake a 24 credit point research project under the supervision of either an academic staff member and optionally an industry partner. You will apply your mathematical and statistical training to contribute to the advancement of knowledge in a problem of contemporary and/or industrial interest. This unit provides an excellent preparation for, and introduction to, the type of research undertaken in Honours and Higher Degree Research studies. To undertake a 24 credit point research project you must have completed or be concurrently enrolled in MXB371 Research Project 1.

### MXN400 Mathematical Research Training

Co-requisites	MXN404-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit provides research

training to support the development and execution of a research project in the mathematical sciences. You will apply the mathematical research and communication skills that you acquire in this unit to your MXN404 Honours Research Project by submitting a written progress report and presenting an oral seminar that motivates and introduces your research project, presents your research methodology, discusses your current progress and outlines planned future work. This represents an important milestone of your Bachelor of Mathematics (Honours) degree and the feedback you receive will impact positively on the quality of your thesis and final seminar, which will be developed and completed in the MXN404 Honours Research Project units.

### MXN401 Minor Project

Other requisites	Unit Coordinator approval is required to enrol.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is designed to provide you with the opportunity to undertake a minor research project under the guidance of an academic supervisor in a discipline related to your area of mathematical interest. This unit will develop your skills in problem solving, critical thinking, written and oral communication, research and project management. You will

present your research project in the form of a written report and oral presentation at the end of semester. Permission to enrol in this unit must be obtained from the Unit Coordinator.

### MXN402 AMSI Unit 1

Other requisites	Unit Coordinator approval is required to enrol.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is designed to provide you with access to external Honours coursework units delivered by other Australian universities. These units are administered by the Australian Mathematical Sciences Institute (AMSI) either online via the Advanced Collaborative Environment (ACE) or face-to-face via the AMSI Summer School. This advanced level unit provides you with the opportunity to acquire knowledge and skills in a specialised topic in the mathematical sciences that is not covered in another QUT Bachelor of Mathematics (Honours) coursework unit. Permission to enrol in this unit must be obtained from the Unit Coordinator.

### MXN403 AMSI Unit 2

Other requisites	Unit Coordinator approval is required to enrol.
Assumed Knowledge	null
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b>

This unit is designed to provide you with access to external Honours coursework units delivered by other Australian universities. These units are administered by the Australian Mathematical Sciences Institute (AMSI) either online via the Advanced Collaborative Environment (ACE) or face-to-face via the AMSI Summer School. This advanced level unit provides you with the opportunity to acquire knowledge and skills in a specialised topic in the mathematical sciences that is not covered in another QUT Bachelor of Mathematics (Honours) coursework unit. Permission to enrol in this unit must be obtained from the Unit Coordinator.

### MXN404 Honours Research Project 1

Co-requisites	MXN400
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit forms part of the 36 credit point MXN404 Honours Research Project unit, which represents the capstone unit for the Bachelor of Mathematics (Honours) degree. The suite of MXN404 units draws together the knowledge and skills you have acquired from MXN400 Mathematical Research Training and your chosen advanced coursework units to design, plan and execute a mathematical research project

under the guidance of an academic supervisor. This unit will develop your skills in mathematical research, problem solving, critical thinking, written and oral communication, and project management preparing you for a career in industry or for further Higher Degree Research studies. You will complete and submit your research project at the end of MXN404-3 by preparing a thesis and delivering a seminar to a mathematically-diverse audience.

### MXN404 Honours Research Project 2

Pre-requisites	MXN404-1. MXN404-1 can be enrolled at the same teaching period
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit forms part of the 36 credit point MXN404 Honours Research Project unit, which represents the capstone unit for the Bachelor of Mathematics (Honours) degree. The suite of MXN404 units draws together the knowledge and skills you have acquired from MXN400 Mathematical Research Training and your chosen advanced coursework units to design, plan and execute a mathematical research project under the guidance of an academic supervisor. This unit will develop your skills in mathematical research, problem solving, critical thinking, written and oral communication, and project

management preparing you for a career in industry or for further Higher Degree Research studies. You will complete and submit your research project at the end of MXN404-3 by preparing a thesis and delivering a seminar to a mathematically-diverse audience.

### MXN404 Honours Research Project 3

Pre-requisites	MXN404-2. MXN404-2 can be enrolled in the same teaching period
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit forms part of the 36 credit point MXN404 Honours Research Project unit, which represents the capstone unit for the Bachelor of Mathematics (Honours) degree. The suite of MXN404 units draws together the knowledge and skills you have acquired from MXN400 Mathematical Research Training and your chosen advanced coursework units to design, plan and execute a mathematical research project under the guidance of an academic supervisor. This unit will develop your skills in mathematical research, problem solving, critical thinking, written and oral communication, and project management preparing you for a career in industry or for further Higher Degree Research studies. You will complete and submit your research project at the end of MXN404-3 by preparing a

thesis and delivering a seminar to a mathematically-diverse audience.

### MXN421 Advanced Computational Mathematics

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit enables you to develop advanced knowledge and skills in computational techniques for solving complex real-world problems by focussing on the theoretical derivation of modern computational techniques and their practical implementation in numerical computing environments. You will learn a range of state-of-the-art numerical methods selected from topics relevant primarily to solving partial differential equations. This advanced unit builds upon knowledge you have developed in previous studies of numerical linear algebra and computational mathematics and is designed to complement a research project in applied and/or computational mathematics. It aims to prepare you for a career in industry or for further research studies at Masters or PhD level.

### MXN423 Advanced Mathematical Modelling

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit provides a framework for you to undertake advanced

level coursework in mathematical modelling and enables you to acquire advanced knowledge and skills in problem formulation, problem solving, critical thinking, and communication in an advanced mathematical modelling context. It links to studies in applied mathematics and modelling work previously undertaken in an undergraduate mathematics degree and can link forwards to the kind of mathematical modelling employed in industry and in academic research. This advanced unit is also designed to complement a research project in applied and/or computational mathematics and aims to prepare you for further research studies at Masters or PhD level or a career in industry.

### MXN431 Advanced Operations Research

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit develops advanced knowledge, skills and application in operations research. In this unit, you will acquire advanced knowledge on how to adapt and implement general optimisation algorithms and meta-heuristics for operations research problems that arise in practical settings. Application contexts may include manufacturing and supply chains; transportation and engineering; rostering and planning; and ecological and natural resource management. This advanced unit is also

designed to complement a research project in operations research and aims to prepare you for a career in industry or for further research studies at Masters or PhD level.

### MXN441 Advanced Statistical Inference and Modelling

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This is an advanced statistics unit providing you with theoretical and computational methods for modelling and inference. It introduces important approaches used in industry and research to describe and draw conclusions about modern, complex problems that cannot be solved by using standard approaches. This is an honours level unit, and the knowledge and skills developed in this unit are designed to complement a research project in statistics. Further studies in statistics at the Masters or PhD level will most likely build on this unit by extending your modelling and inference skills in industry or research-based projects.

### MXN442 Modern Statistical Computing Techniques

Pre-requisites	MXN601 or admission to MS10
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is intended to provide you with skills in advanced

computational methods and algorithms for handling complex and computationally demanding problems in statistics. Topics will be selected from Monte Carlo methods for estimating quantities of interest under an assumed complex (possibly Bayesian) statistical model, statistical machine learning methods for analysing challenging data, and techniques for optimally selecting the values of controllable variables in order to reduce the expected costs of running a statistical experiment. The unit is designed to complement a research project in statistics and is oriented to enable you to proceed to a variety of workplaces, or to further professional development, or to research.

### MXN500 Statistical Data Analysis

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Appropriate application of statistical methods is essential in many quantitative roles. The focus of this unit is on applying mathematical and statistical methods in real-world contexts. You will look for meaningful patterns and model data to increasing levels of complexity. In particular, we will cover data and variables, visualisation, basic probability, hypothesis testing, and linear regression. You will also learn how to select and apply appropriate quantitative methods using

software such as R, an open source statistical software. You will practice your quantitative skills using real data from scientists, business, and governments. This unit is appropriate for those requiring an introduction to, or a refresher in, statistics. The concepts in this unit will be extended in MXN600.

### MXN501 Stochastic Modelling

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit introduces probability and shows you how to apply its concepts to solve practical problems. The unit will lay the foundations for further studies in probability, statistics and other areas of mathematics and help you to develop your problem-solving and modelling skills. The topics covered include: basic probability rules, conditional probability and independence, discrete and continuous random variables, bivariate distributions, Markov chains and Poisson processes. This unit is appropriate for those requiring an introduction to, or a refresher in, probability. The concepts in this unit will be extended in MXN601.

### MXN600 Advanced Statistical Data Analysis

Pre-requisites	MXN500
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This advanced statistics unit will introduce modern statistical methods of data analytics that are frequently used in industry and government to solve real-world problems. It introduces modelling techniques that can be used when it is unreasonable to assume the data are continuous random variables from a normal distribution and/or that the expected value of the random variable can be modelled as a linear combination of regression parameters. This is a Masters level unit, and the knowledge and skills developed in this unit are relevant to those studying advanced data analytics. Further studies in data analytics and data science will most likely build on this unit by extending your analytical skills through industry or research-based projects.

### MXN601 Advanced Stochastic Modelling

Pre-requisites	MXN501
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit covers advanced statistical models and methods required for a mathematically trained data scientist. This unit will develop skills in statistical modelling and parameter estimation methods to extract insights from small and large datasets collected from complex systems. Developing an understanding of stochastic processes will provide skills for building statistical models of



## Units

complex real world processes including areas from communication systems and networks to traffic to law to biology to financial analysis linking with other modern areas of mathematics. This unit introduces advanced statistical inference techniques that are important tools in describing data and developing models. Indeed, such methods are essential when drawing conclusions from a data generation process that is subject to random variability. This unit also provides a statistical basis for further advanced units in statistics.

### MXQ500 Statistical Data Analysis

Anti-requisites	
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

Appropriate application of statistical methods is essential in many quantitative roles. The focus of this unit is on applying mathematical and statistical methods in real-world contexts. You will look for meaningful patterns and model data to increasing levels of complexity. In particular, we will cover data and variables, visualisation, basic probability, hypothesis testing, and linear regression. You will also learn how to select and apply appropriate quantitative methods using software such as R, an open source statistical software. You will practice your quantitative skills using real data from scientists, business, and

governments. This unit is appropriate for those requiring an introduction to, or a refresher in, statistics.

### MZB101 Modelling with Introductory Calculus

Equivalent s	MAB105
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is an introductory unit covering the basic mathematical theory of functions and graphs, along with the foundational concepts and techniques of differential and integral calculus. The unit also explores a wide variety of calculus applications, and introduces the basic mathematical modeling skills relevant to a wide variety of scientific fields. The ability to express scientific problems in mathematical language, and to apply calculus techniques in the analysis of these problems, is essential to science students across all disciplines. This introductory unit is particularly intended for students whose mathematical preparation does not include Queensland Senior Mathematics B or an equivalent. The mathematical foundation covered here will be developed further in SEB113.

### MZB125 Introductory Engineering Mathematics

Anti-requisites	EGD125, MXB100
Equivalent s	MAB125, MAB100, MAB120

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides an introduction to foundational mathematical concepts that enable mathematical and numerical problem solving in engineering disciplines. It prepares engineering students for their transition from high school to university, particularly those who have not studied Queensland Specialist Mathematics (formerly called Senior Mathematics C) or equivalent. Major topics covered are elementary functions, their derivatives and integrals, the algebra of complex numbers, vectors and matrices, and an introduction to programming using relevant software. Mathematical techniques and problem solving skills are employed in a range of mathematical exercises and contextualised problems, illustrating how these concepts and techniques are used in real-world engineering systems.

### MZB126 Engineering Computation

Pre-requisites	MZB125 or MXB161
Anti-requisites	EGD126
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

MZB126 teaches foundational mathematics and programming for engineers, following on from what students learnt in either MZB125 or MXB161.

Throughout the unit, students will learn three main topics: programming, ordinary differential equations and statistics. All topics are taught in a real-world context by providing problems that emphasise critical thinking, analysis, interpretation and exposition, in applications across multiple disciplines in engineering. This gives students the necessary problem-solving skills heading into their chosen engineering discipline, where they will then learn discipline specific mathematics through embedded mathematics lectures.

### MZB151 Mathematical Tools for Computing

Anti-requisites	MXB100, MZB101
Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

Many applications within Computer Science use standard mathematical methods as tools for analysing and processing information. This unit provides an introduction to some basic mathematical methods that will be useful to you in your further studies in Computer Science, including basic matrix and vector operations (storing and manipulating geometrical or other information), introductory probability and statistics

(modelling random events) and basic concepts in differentiation and integration (modelling rates of change and accumulated quantities). By introducing the fundamental concepts underlying these methods and developing your skills in using these methods, the unit will provide a foundation for later studies in computer science, in fields such as computer graphics, games design, machine learning, robotics, information retrieval and data mining.

### NSB010 Introduction to Clinical Practice

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This unit is at the beginning stage of study in nursing and is a work integrated learning unit. It develops students' knowledge and skills in a range of assessment techniques, including interviewing, observations, and physical examination. It focuses on the development of foundational knowledge and skills in the on-campus setting in preparation for the scope of practice needed to undertake practice in health care contexts. Students complete 80 hours of clinical practice. An understanding of the NMBA Registered Nurse Standards for Practice, National Health Priorities, and National Safety and Quality Health Service Standards is essential to nursing practice. The unit encourages critically analyse, reflect on and modify through

your off-campus experiences. Course themes emphasised in this unit are evidence-based practice, scientific foundations of practice, person-centred care, health technology and health informatics, and interprofessional collaboration.

### NSB016 Clinical Practice Capstone

Pre-requisites	(Completion of 168cp of Nursing Units (NS%) inc NSB015 and Completion of 48cp of Life Sc units (LS%) and Completion of LWS101) or (PYB304 for HL47 students)
Equivalent s	NSB335
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

Practice as a new graduate registered nurse requires the application of knowledge from nursing and related sciences to inform client care, a range of practice-based skills which include problem solving, evidence-based decision making, multi-modal communication and care co-ordination, and professional attitudes regarding the delivery of high quality nursing care in the health workplace. This is the final clinical practice unit and provides you with the opportunity to consolidate the knowledge, skills and attributes required for safe, competent practice in the health workplace as a beginning level registered nurse. Learning outcomes of this unit build on previous clinical units and draw upon concepts, principles and theories that have been

developed through your nursing studies in nursing and inform your transition toward the registered nurse role. Students complete 320 hours of clinical practice.

### NSB102 Professional Practice and Cultural Safety

Equivalent s	NSB018
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

As healthcare providers, nurses need knowledge, skills, and attributes to implement person-centred care to people from all backgrounds. To fulfil regulatory requirements and ethical and professional standards of nursing, this foundational unit introduces cultural safety a model underpinning students' development and practice. Nursing practice requires a sound understanding of the expectations of consumers, employers, the profession, and the wider community. An understanding of the impact of our own cultures and those of professions and systems is essential to provide nursing care that is free of racism, stigma and other forms of discrimination across all practice settings. This unit introduces the social determinants of health which underpin cultural safety and its focus on societal responses to diversity and the impacts of these responses on health. The unit provides a basis for developing respect and

compassion as well as professional standards.

### NSB103 Health Assessment

Equivalent s	NSD103
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Health assessment is the foundation of nursing practice and the clinical reasoning process. This unit complements the unit LQB185 Anatomy and Physiology for Health Professionals by providing an opportunity for students to apply knowledge of scientific foundations of human health to the core nursing skill of health assessment (observation, interview, measurement, physical examination). The foundational skills learnt in this unit are further developed as students extend their knowledge of disease concepts in LQB285 Pathophysiology for Health Professionals. As effective health assessment underpins the planning of nursing care, learning in this unit is critical to later integrated practice units, including NSB132 Integrated Nursing Practice 1, NSB231 Integrated Nursing Practice 2, and NSB236 Integrated Nursing Practice 3.

### NSB104 Leading and Learning

Equivalent s	NSD104
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This foundation unit in leading and learning develops the knowledge necessary to function as a team member, consumer advocate, educator, and leader of self and others. These are key attributes of the registered nurse in contemporary practice and provide the basis for team and professional leadership into the future. The unit will encourage different ways of thinking, broad perspectives, and evidence-based decision making to inform practice in local and global contexts. The unit complements all first-year units, in particular *NSB102 Professional Practice and Cultural Safety*, *NSB105 Wellness Across the Lifespan*, and the final year unit *NSB305 Leading and Learning: Building professional capacity*.

### NSB105 Wellness Across the Lifespan

Equivalent s	NSD105
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit aims to develop knowledge, skills, and attributes for nurses to work in partnership with people to promote and maintain health across the lifespan. This unit focuses on developing students' understanding of the importance of communication, person-centred care, and partnerships in nursing practice, using wellness across the lifespan as an organising principle. The impact of social determinants of health and the

role of health promotion strategies are explored. The importance of empathic communication skills in professional interactions is also a key focus. This knowledge is foundational to professional practice, and enables effective health assessment and clinical decision making. The course theme emphasised in this unit is person-centred care. The unit connects with NSB102 Professional Practice and Cultural Safety and NSB103 Health Assessment, and links to NSB202 Aboriginal and Torres Strait Islander Peoples' Well-being.

### NSB131 Integrated Nursing Practice 1 Off Campus

Pre-requisites	NSB132. May be enrolled in the same teaching period as NSB131.
Equivalent s	NSB012
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This unit is a work integrated learning unit with students learning predominantly in off campus health care contexts. The unit is at the beginning stage of your course and builds on all preceding units. Students are expected to draw on knowledge and skills gained in previous units to develop their practice and will be actively encouraged to apply learning from those earlier units. The unit is a concurrent requisite of *NSB132 Integrated Nursing Practice 1 On Campus* unit to facilitate application of theory to practice. A thorough

understanding of the NMBA Registered Nurse Standards for Practice, National Health Priorities, and National Safety and Quality Health Service Standards is essential to nursing practice.

### NSB132 Integrated Nursing Practice 1 On Campus

Equivalent s	NSB021
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This beginning level unit aims to establish cognitive skills in clinical reasoning which inform provision of nursing practice. Nursing and Midwifery Board of Australia Registered Nurse Standards for Practice emphasised are: thinks critically and analyses nursing practice (ST1); engages in therapeutic and professional relationships (ST2); maintains the capability for practice (ST3); develops a plan for nursing practice (ST5); evaluates outcomes to inform nursing practice (ST7). National Safety and Quality Health Service Standards addressed at an introductory level are: preventing and controlling healthcare associated infections; medication safety; patient identification and procedure matching; clinical handover; preventing and managing pressure injuries; preventing falls and harm from falls. This unit directly links to subsequent Integrated Nursing Practice units. Course themes emphasised are: evidence-

based practice, scientific foundations of practice, and person-centred care.

### NSB202 Aboriginal and Torres Strait Islander Peoples' Well-being

Pre-requisites	NSB102
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

This unit is positioned in the developing stage of the course and within the professional practice stream. An understanding of the social determinants of health and the impact of historical and contemporary policy and practice influencing the health and wellness of Aboriginal peoples and Torres Strait Islanders is essential to providing health care with these populations. A multitude of terms and concepts are used in this context. This unit emphasises cultural safety as the preferred model to contemporary health care delivery in Australia. It promotes the position of the contemporary health practitioner as a fundamental member of the partnership, and necessary to enhancing Aboriginal and Torres Strait Islander health and well-being. Importantly, it values the pivotal role of Aboriginal peoples and Torres Strait Islander peoples' self-determination in leading this partnership.



### NSB203 Inquiry in Clinical Practice

Equivalent s	NSB019, NSD203
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit explores inquiry in clinical practice by examining the role of research and the use of evidence in nursing practice. Skills in interpretation of evidence will be developed and an overview of various approaches to research are examined to enable students to be effective consumers of research. The relationship between research, evidence and safety and quality in health care is explored. This knowledge is foundational to all remaining units in the course. Contemporary nursing work requires the ability to seek, interpret, analyse, synthesise, and integrate evidence into practice. Facilitating ongoing improvement in nursing practice requires different ways of thinking, broader perspectives and decision making informed by evidence. The course themes emphasised in this unit are global health, evidence-based practice and person-centred care.

### NSB204 Mental Health: Self and others

Equivalent s	NSB023
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External

Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2
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This unit focuses on the national health priority of mental health and explores social determinants, legislation and policies that inform nursing care provision. Mental health issues are a universal human experience across the lifespan and serious mental health conditions affect many Australians. Students gain knowledge of major mental health conditions and psychopharmacology. Learning activities embed concepts of a recovery approach and cultural safety in promoting positive messages that challenge stigma and discrimination. Emphasis is given to development of the professional self and attributes of trust, rapport building, and non-judgemental disposition. Focus is also given to developing skills in assessing and responding to people experiencing mental health issues including history-taking, mental health and risk assessment-using the recovery model. Course themes emphasised are evidence-based practice, cultural safety, and person-centred care.

### NSB231 Integrated Nursing Practice 2 On Campus

Pre-requisites	NSB103 or NSD103 or Completion of 96cp. NSB103 may be enrolled in the same teaching period as NSB231.
Equivalent s	NSB022
Credit Points	12
Campus	Kelvin Grove

Availabilities	<b>Kelvin Grove</b> - SEM-1
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This unit is at the developing stage of the course and builds on preceding units. Students are expected to draw on knowledge and skills gained in previous units to enhance their practice. The unit also has a symbiotic relationship with the *NSB232 Integrated Nursing Practice 2 Off Campus* unit. A thorough understanding of the NMBA Registered Nurse Standards for Practice, National Health Priorities, and National Safety and Quality Health Service Standards is essential to nursing practice. This on-campus unit fosters further development of knowledge and skills that students will apply, critically analyse and reflect on throughout their off-campus experiences.

### NSB232 Integrated Nursing Practice 2 Off Campus

Pre-requisites	(NSB131 or NSB010) and NSB231. NSB010 and NSB231 may be enrolled in the same teaching period as NSB232
Equivalent s	NSB013
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit is a work integrated learning unit with students learning predominantly within off-campus health care contexts. The unit is at the developing stage of the course and builds on all preceding units. Students are expected to draw on knowledge and skills gained in previous units to

further develop their practice. This unit has a symbiotic relationship with the NSB231 Integrated Nursing Practice 2 On Campus unit. A thorough understanding of the NMBA Registered Nurse Standards for Practice, National Health Priorities, and National Safety and Quality Health Service Standards are essential to nursing practice.

**NSB233 Integrated Nursing Practice 3 Off Campus**

Pre-requisites	NSB232, NSB236 and NSB204. NSB236 and NSB204 may be enrolled in the same teaching period as NSB233.
Equivalent s	NSB014
Credit Points	12
Campus	Kelvin Grove
Availabili ties	<b>Kelvin Grove</b> - SEM-2

This unit focuses on integrating theory with clinical practice at a developing-level during 160 hours of clinical placement. Students are expected to draw on prior knowledge and skills to develop their practice. Nursing and Midwifery Board of Australia Registered Nurse Standards for Practice emphasised are: thinks critically and analyses nursing practice (ST1); comprehensively conducts assessments (ST4); develops a plan for nursing practice (ST5); provides safe, appropriate, and responsive quality nursing practice (ST6); and evaluates outcomes to inform nursing practice (ST7). National Safety and Quality Health Service Standards addressed at a developing

level are: preventing and controlling healthcare associated infections; medication safety; and preventing falls and harm from falls. The course themes emphasised in this unit are evidence-based practice, scientific foundations of practice, person centred care, global health, and interprofessional collaboration.

**NSB236 Integrated Nursing Practice 3 On Campus**

Pre-requisites	NSB231 and (NSB132 or NSB010)
Equivalent s	NSB024
Credit Points	12
Campus	Kelvin Grove
Availabili ties	<b>Kelvin Grove</b> - SEM-2

This unit consolidates cognitive skills in clinical reasoning by intergrating prior knowledge and skills and further develop students' understanding of decisions that informs nursing practice at a developing level. Nursing and Midwifery Board of Australia Registered Nurse Standards for Practice emphasised: thinks critically and analyses nursing practice (ST1); comprehensively conducts assessments (ST4); develops a plan for nursing practice (ST5); provides safe, appropriate and responsive quality nursing practice (ST6); evaluates outcomes to inform nursing practice (ST7). National Safety and Quality Health Service Standards addressed: preventing and controlling healthcare associated infections; and medication safety; and

preventing falls and harm from falls. This unit links to subsequent Integrated Nursing Practice units. Course themes emphasised are evidence-based practice, scientific foundations of practice, health technology and health informatics and person-centred care.

**NSB303 Partnerships in Health and Illness**

Pre-requisites	Successful completion of 144cp in (NS42 or HL19) or successful completion of 288cp in (HL16 or HL17)
Credit Points	12
Campus	Kelvin Grove
Availabili ties	<b>Kelvin Grove</b> - SEM-1

Australia's current and future health needs will be determined by several factors including the ageing population, increased life expectancy, decreased mortality rates and the growing prevalence of chronic illness. Nurses' holistic person-centred approach to care means they are uniquely positioned to respond to these changing health needs. This unit will apply knowledge of the principles of person-centred care and focus on the nurses' role as a partner with consumers and other members of the healthcare team in promotion of health and prevention of illness. This unit further develops the concepts introduced in *NSB105 Wellness across the Lifespan*.

**NSB305 Leading and Learning: Building Professional Capacity**

Pre-	Successful completion of
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## Units

requisites	144cp in (NS42 or HL19) or successful completion of 288cp in (HL16 or HL17)
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit facilitates graduating nurses' successful transition into the role of registered nurse capable of providing safe, quality, person-centred nursing care. The nurse's role in applying principles of leadership and management to lead self and others is emphasised. The nurse leader's influence on safe nursing practice is explored including facilitators and barriers, regulatory, legislative, and political processes in reference to consumer advocacy. The unit will emphasise nursing leadership and interprofessional collaboration in relation to developing and realising improvements in health outcomes. The unit extends knowledge gained in NSB104 Leading and Learning from first year, and facilitates the preparation and transition from student to graduate registered nurse. The course themes emphasised in this unit are evidence-based practice and global health.

### NSB334 Integrated Nursing Practice 4

Pre-requisites	Successful completion of 180 credit points in (NS42 or HL19) including NSB233 or successful completion of 288 credit points in (HL16 or HL17) including NSB233.
Credit Points	24
Campus	Kelvin Grove

Availabilities	<b>Kelvin Grove</b> - SEM-1, SUM
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This is a third-year unit at the advanced stage of the course. It builds on all preceding units, with the expectation that previous knowledge and skills will be drawn upon to further develop practice. This is necessary in order to prepare for and successfully complete the capstone unit and provide safe and effective care as a beginning-level registered nurse.

### NSB335 Integrated Nursing Practice 5

Pre-requisites	NSB334
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

Clinical decision making and clinical practice skills are consolidated and at completion of this unit (240 hours of Clinical Practice) students are required to demonstrate levels of safe and effective nursing care consistent with the NMBA Registered Nurse Standards of Practice. All Nursing and Midwifery Board of Australia (NMBA) and National Safety and Quality Health Service (NSQHS) standards, as they apply to nursing practice are further explored in this unit. This unit complements other third year units and consolidates learning to date. The course themes emphasised in this unit are evidence-based practice, scientific foundations of practice, global health, person-centred care, cultural safety,

health technology and health informatics and interprofessional collaboration.

### NSB412 Clinical Elective

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-1, SEM-1, SEM-2, SEM-2, SEM-2

This unit offers the opportunity to undertake further clinical practicum experiences to enhance students' ability to practice competently in a range of clinical situations. Also the focus is on integrating knowledge, skills and attributes required to successfully integrate theory with clinical practice. The Nursing and Midwifery Board of Australia (NMBA) Registered Nurse Standards for Practice emphasised in this unit are: thinks critically and analyses nursing practice (ST1); comprehensively conducts assessments (ST4); develops a plan for nursing practice (ST5); provides safe, appropriate, and responsive quality nursing practice (ST6); and evaluates outcomes to inform nursing practice (ST7). This unit complements other second year units and links to Integrated Nursing Practice units.

### NSB600 Introduction to Nursing Children and Childbearing Families

Pre-requisites	Successful completion of 144cp including NSB131
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b>



es - SEM-1

This unit provides an overview of the theoretical concepts and clinical application principles for practice in nursing and midwifery care for children and childbearing families. It addresses the childbearing process and the developmental stages of childhood and family dynamics, allowing the nursing role to contribute to maintenance and promotion of family health. Learning activities in this unit aim to develop students' understanding of the role of the nurse or midwife as provider of care for women and their families during the normal childbearing process and during childhood. The unit is offered in blended mode and a large amount of independent study is required using online resources.

### NSB603 Introduction to Cardiothoracic Nursing

Pre-requisites	Successful completion of 144cp including NSB232
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Cardiovascular client disorders are commonly encountered by nurses practicing in a variety of clinical settings. Continually advancing health care, combined with changing lifestyles, means cardiothoracic complaints either directly contribute to hospital admission or form part of the ever expanding list of patient comorbidities. This unit provides an overview of

cardiothoracic nursing and learning activities encompass theoretical concepts specific to this specialty as well as related clinical skills. It builds on introductory concepts that have been addressed earlier in the degree through more detailed exploration and reflection. It is expected learning activities will consolidate and link existing knowledge with new knowledge and development of related clinical skills in this practice area.

### NSB606 Palliative Care Nursing

Pre-requisites	Successful completion of 144cp including NSB131
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Palliative care is an increasingly important part of our healthcare system. The health and support needs of those who are dying are diverse and often change over time. To respond effectively to these needs, nurses must have knowledge and skills to provide a palliative approach to care. In this unit, students will extend their knowledge of the needs of those diagnosed with various life-limiting illnesses. The unit will enable students to develop further understanding of the core components of palliative care for these people. It will extend the understandings developed in other theoretical studies and experiences in clinical practice.

### NSB608 Wound Care in Practice

Pre-requisites	Successful completion of 144cp including NSB131
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Providing complex wound care to people in acute, residential and community health areas is a growing challenge for health care services. Quality wound care requires a holistic approach as impacts are seen in every aspect of a person's life. This unit provides students with an in-depth knowledge of acute and chronic wounds and specifically addresses challenges related to providing optimal nursing care for persons with wounds. Focus is given to linking existing knowledge and clinical skills from prior study to inform evidence based practice in wound care. This unit takes an interdisciplinary approach to examining the science of wound healing, the principles and application of nursing care while also incorporating a necessary trans-disciplinary approach to care of a person with a wound. Learning activities assist students to respond to the challenges of assessment, management and prevention of a range of acute and chronic wounds using an evidence based, person-centred approach.

### NSD103 Health Assessment

Equivalents	NSB103
Credit Points	12
Campus	Kelvin Grove



## Units

Availability	<b>Kelvin Grove</b> - 13TP1, 13TP2
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Health assessment is the foundation of practice as a health professional. This unit complements the unit LQD185 Anatomy and Physiology for Health Professionals by providing an opportunity for students to apply knowledge of scientific foundations of human health to the core skills of health assessment.

### NSD104 Leading and Learning

Equivalent	NSB104
Credit Points	12
Campus	Kelvin Grove and Online
Availability	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

This introductory unit in leading and learning develops the knowledge necessary to function as a team member, consumer advocate, educator, and leader of self and others. These are key attributes of the registered nurse in contemporary practice and provide the basis for team and professional leadership into the future. The unit will encourage different ways of thinking, broad perspectives, and evidence-based decision making to inform practice in local and global contexts. The unit complements NSD105 Wellness Across the Lifespan.

### NSD105 Wellness Across the Lifespan

Equivalent	NSB105
Credit Points	12

Campus	Kelvin Grove and Online
Availability	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3 <b>Online</b> - SEM-2

Taking a lifespan approach equips healthcare professionals to appreciate changing health needs throughout life. Understanding the social context of health provides the fundamental knowledge required to develop consumer and healthcare team partnerships that are based on sound interpersonal communication and therapeutic alliances. This knowledge is foundational to professional practice, and enables effective health assessment and clinical decision making.

### NSD203 Inquiry in Clinical Practice

Equivalent	NSB203
Credit Points	12
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

This unit examines the ways in which evidence informs health professional practice. Contemporary health practice requires the ability to seek, interpret, analyse, synthesise, and integrate evidence into practice. Facilitating ongoing improvement in practice requires different ways of thinking, broader perspectives and decision making informed by evidence. The development of research skills in this unit provides a basis for supporting and contributing to research in the practice setting and for undertaking future studies as a

health professional.

### NSN001 Contemporary Issues in Nursing Children and Families

Equivalent	NSN006
Credit Points	12
Campus	Kelvin Grove and External
Availability	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Nurses caring for children and families in health care settings require specialist knowledge and skills to address actual or potential health needs of children and families. This unit enhances clinical knowledge in a selected area of child and family nursing practice. Contemporary issues relating to the role will be examined and identify a knowledge or education gap. A resource will be developed in collaboration with clinical specialist staff where possible to address the identified gap. The aim of the resource will be to support staff, patients and/or families/carers in the acute paediatric or community child health setting.

### NSN007 Contemporary Issues in Chronic Care Nursing

Credit Points	12
Campus	Kelvin Grove and External
Availability	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit develops the capability of registered nurses to prevent and manage chronic health problems in a variety of settings. Due to the rising

## Units

global burden of chronic conditions, registered nurses require skills in the assessment, implementation and evaluation of patients self-management supportive strategies, in the context of an interdisciplinary team.

### NSN008 Specialist Chronic Care Nursing Practice

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit develops your knowledge of chronic disease, comorbidity and the impact on individuals, families and communities. The focus is on applying this knowledge into specialised nursing practice. It complements the learning in NSN007 Contemporary Issues in Chronic Care Nursing. Individuals living with chronic health conditions can experience a range of physical, social and psychological complexities requiring nursing intervention and care. This unit provides you with knowledge and skills to enable you to contribute to the management of these various complexities within specialised nursing contexts. NSN007 and NSN008 are the two specialist units required for the Chronic Health Care Nursing Major.

### NSN009 Specialist Nursing Practice for Children and Families

Anti-requisites	NSN004, NSN005
Credit	12

Points	
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

The focus of this unit is practical application of specialist knowledge and evidence in varied paediatric settings (acute paediatrics or community child health). It complements the work undertaken in NSN001 and prepares you to deliver person-centred nursing care to children and families. Through the examination of contemporary issues that impact upon caring for children and families, you will apply specialist assessment skills to guide your clinical reasoning and decision making in the health related concerns of children and families. NSN001 and NSN009 are the two specialist units required for the Paediatric, Child and Youth Health Major.

### NSN123 Contemporary Issues in Gastroenterology Nursing

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Gastroenterology nursing has undergone many changes, not only within innovative technologies and therapies but also expanding practice roles. Cancer of the colon, sigmoid, rectum and anus are ranked sixth in the leading cause of registered deaths in Australia (Australian Bureau of Statistics,

[ABS], 2016), with little change in the past ten years. Worldwide the prevalence, screening and treatment of gastrointestinal disease places increased demands on communities and the healthcare system, and even ten ago was reported by the World Health Organisation (Kim, H. P., Crockett, S. D. and Shaheen, N. J. (2014) are responsible for some 8 million deaths a year. Study in this field will prepare nurses to work in the specialty of gastroenterology nursing.

### NSN124 Specialist Gastroenterology Nursing

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit builds on knowledge and skills gained in NSN123 Contemporary Issues in Gastroenterology Nursing and focuses on the specialist area of gastroenterology to enhance delivery of evidence-based nursing care for patients in a variety of settings. There is an emphasis on extension of discipline knowledge, problem solving and analytical skills to make effective clinical care decisions, related to the upper and lower gastrointestinal tract, the liver and pancreatic pathophysiology. Common diagnostic investigations and, contemporary issues impacting on specialist nursing practice for patients with gastrointestinal disease, are also explored.

**NSN430 Clinical Therapeutics**

Pre-requisites	Admission into NS88
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit focusses on clinical therapeutics which is integral to the Nurse Practitioner advanced scope of practice. This unit will enable you to develop and establish a framework of appropriate selection of medicines for individual consumers using pharmacology and clinical therapeutics knowledge, with a key focus on Quality Use of Medicine (QUM) for improved consumer health outcomes. Your clinical skills will be developed to enable you to prescribe, administer and evaluate the effects of medicines based on consumer health assessment and diagnosis in the role of Nurse Practitioner. Completion of this unit will provide a foundation consistent with the clinical, organisational, professional and legislative requirements, knowledge of pharmacotherapeutics and the principles of QUM, that must inform the nurse practitioner's decision-making about clinical therapeutics. This unit will be consolidated in the second unit NSN432: QUM and Safe Prescribing.

**NSN431 Transition to Nurse Practitioner Service**

Credit	12
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Points	
Campus	External
Availabilities	<b>External</b> - SEM-1

Nurse practitioners provide health care to populations across a broad range of social, demographic and health care contexts, including populations who are marginalised, underserved and socioeconomically disadvantaged. This unit facilitates your understanding of the integration of nurse practitioner services within existing health services models. The unit extends your leadership and management skills by challenging you to reflect upon the nurse practitioner role in the context of health service analysis and reform in contemporary Australian health care. This will inform development of a strategic business plan to support nurse practitioner service implementation.

**NSN432 QUM and Safe Prescribing**

Pre-requisites	NSN430
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

The nurse practitioner role entails advanced nursing practice that features both autonomous and collaborative elements. The nurse practitioner role might include prescribing drugs from a defined formulary; high-level technical procedures; requesting or performing diagnostic investigations;

consumer education and counselling; and direct referral to other health professionals. The aim of such activities is to deliver and evaluate consumer care in a specialty area that conforms to regulatory requirements and that is ethical, culturally-sensitive, context-driven, evidence-based and responsive.

**NSN433 The Science of Health Assessment**

Pre-requisites	Admission into NS87 or NS88
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

This unit integrates theory and practice enabling in-depth knowledge and skill development in the scientific basis of health assessment to ensure quality ongoing consumer outcomes. It also advocates a collaborative practice approach to comprehensive consumer assessment and to the formulation and communication of effective clinical decisions. Using a body systems approach, the unit emphasises normal structure and function of the human body and homeostatic control mechanisms from the level of the cell through to integrated organ systems. Integration of theory of physiology and practice of advanced health assessment enables links to be made between human physiology and other measures of physiological structure, function, and clinical status. The unit emphasises the



principles of holistic and comprehensive consumer assessment.

### NSN434 Evidence-based Practice and Research Design

Equivalent s	NSN424
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

This unit examines the relationship between research evidence and practice, and creates an opportunity to understand, critique and contribute to knowledge and practice in light of relevant research. It emphasises critical inquiry and research skills including the ability to analyse and critique research methods and evidence and to evaluate the results with reference to real world experiences. Drawing on knowledge of research principles and processes, knowledge and skills will be applied to develop a research proposal to investigate a research question or clinical problem relevant to a specialisation and/or professional interest. The proposal developed in this unit will inform the final assessment in HLN703 Project.

### NSN435 Integrated Professional Practice 1 (Primary Health)

Pre-requisites	NSN430 and NSN433 and NSN436
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

This unit provides supervised

and supported professional practice experience to develop and apply coursework learning. This integrated professional practice unit focuses on the development of knowledge and skills in comprehensive health assessment, with a particular focus on primary health care principles and Aboriginal and Torres Strait Islander peoples' and communities. This unit builds on and applies knowledge and skills gained in four previously completed units: NSN431 Transition to Nurse Practitioner Service, NSN433 The Science of Health Assessment, NSN430 Clinical Therapeutics and NSN432 QUM and Safe Prescribing.

### NSN436 Advanced Health Assessment and Diagnosis

Pre-requisites	NSN433
Equivalent s	NSN421
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

This unit builds on knowledge gained in NSN433 The Science of Health Assessment and focuses on the value of completing an accurate comprehensive health assessment by adopting a systematic approach to assessment of body systems. There is a focus on mechanisms of disease, pathophysiological changes and diagnostic reasoning. Attention to diverse populations, across the lifespan and a range of disease states will be highlighted.

Consideration will be given to inter-professional roles and contributions, accountability and legislation in relation to the management of consumer diagnostics. Also included are diagnostics, request and interpretation of clinical investigations, culminating in the accurate clinical determination of differential and provisional diagnoses.

### NSN437 Integrated Professional Practice 2 (Specialty Context)

Pre-requisites	(NSN432 and NSN435 and NSN436) or NSN426
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

This unit provides supervised and supported professional practice experience to consolidate and apply coursework learning. This integrated professional practice unit focuses on holistic consumer assessment, diagnoses and therapeutics. This unit builds on and applies knowledge and skills gained in *NSN435 Integrated Professional Practice 1 (Primary Health)*. The unit focuses on your development as a capable nurse practitioner in your specialty area with an emphasis on consumers whose care is complex and challenging.

### NSN439 Integrated Professional Practice 2 (Clinical Mastery and Leadership)

Pre-requisites	NSN435
Credit Points	12



## Units

Campus	External
Availabilities	<b>External</b> - SEM-2

This capstone unit extends previous learning to develop student's clinical capability and leadership in a specialty context. Progressively decreasing levels of clinical support is provided as you progress to mastery in assessing, prescribing and implementing therapeutic interventions for consumers. The significant benefits of maintaining ongoing professional development is also a key focus. The supervised and supported professional practice experience develops mastery of knowledge and skills to meet nurse practitioner standards for practice (NMBA, 2014). During this final Integrated Professional Practice unit you will continue to develop in the nurse practitioner role under the supervision of an appropriately qualified clinical support team and a nurse practitioner mentor appointed by the university. This unit builds on the knowledge and skills attained in NSN435 Integrated Professional Practice 1.

### NSN508 Dissertation Preparation

Pre-requisites	(HLN710 or PUN105 or HLN405) and completion of 48cp in NS80. HLN710, PUN105 or HLN405 may be undertaken in the same teaching period as NSN508.
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

<b>External</b>	- SEM-1, SEM-2
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This unit builds on existing knowledge, skills and professional experience and provides the opportunity to develop, extend, and apply these skills to the preparation of a feasible and defensible research proposal for a research dissertation. The opportunity to develop skills in advanced information retrieval and synthesis, academic writing, and critical analysis are supported as you review a body of literature relevant to your dissertation and methodology. NSN508 is a preparatory unit for HLN700 or HLN750.

### NSN719 Principles of Education for Health Professionals

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Dynamic health care environments require agile health professionals who are responsive to changing needs, adaptive to innovation and engaged with best practice to ensure optimal person centred care. This unit provides the emerging educator with the specialist knowledge and skills required to fulfil this role in the health care environment.

### NSN720 Curriculum Design for Health Professional Education

Equivalent	HLN720
Credit Points	12

Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Health professionals engage in the facilitation of learning in various contexts, including, professional staff development programs, work integrated learning support and ongoing targeted educational endeavours. The focus is on curriculum design and development, facilitation of learning and teaching, assessment and evaluation. To create supportive learning environments and facilitate innovation in contemporary healthcare contexts requires specialist knowledge and skills including innovative, creative and reflective teaching practices. This unit provides health professionals with learning and assessment experiences to plan, design and facilitate effective programs of learning. NSN719 and NSN720 are the two specialist units required for the Health Professional Education Major.

### NSN721 Contemporary Issues in Emergency and Intensive Care Nursing

Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

Specialist emergency and intensive care nurses must adapt and make clinical decisions based on their scope and context of practice within dynamic and complex health care environments. Emergency

and intensive care nursing practice utilises complex evidence-based knowledge, technologies and management protocols that require specialist knowledge and skills to apply in the provision of person-centred care across the lifespan. This unit will develop your knowledge and skills to practice with individuals and families in specialist emergency or intensive care nursing settings and in the context of the transdisciplinary health care team. The concepts introduced in this unit provide the basis for further study in subsequent units.

### NSN722 Specialist Intensive Care Nursing Practice

Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

Registered nurses working in intensive care require specialised knowledge and skills to plan, provide and evaluate safe evidence-based nursing care. The complex and dynamic health care environment requires the specialist intensive care nurse to have the ability to respond, adapt, implement, evaluate and communicate decisions based on scope and context of practice for a range of critically ill individuals and their families across the lifespan. Contemporary health care service delivery in the intensive care setting is constantly changing, employing innovative technologies and therapies. NSN721 and NSN722 are the two specialist units required for

the Intensive Care Nursing Major.

### NSN723 Specialist Emergency Nursing Practice

Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

Emergency nurses working across a range of emergency service delivery models, require specialist knowledge and skills to deliver evidence informed care across the lifespan. The health care environment is dynamic and complex, specialist emergency nurses must have the ability to adapt and augment decisions based on scope of practice, and with a range of individuals experiencing varying health presentations. NSN721 and NSN723 are the two specialist units required for the Emergency Nursing Major.

### NSN724 Contemporary Issues in Acute or Cancer Nursing

Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

Acute and cancer nursing practice utilises complex evidence-based knowledge and management protocols that require specialist theoretical knowledge and technical skills to apply in the provision of person-centred care across the lifespan. The complex and dynamic health care environment requires the specialist acute or cancer care nurse to have the ability to

respond, adapt, implement, evaluate and communicate decisions based on scope and context of practice for a range of complex health care problems in a range of health care settings for individuals and families. This unit presents registered nurses with the theoretical and practice concepts required to provide effective, person-centred nursing care within a variety of health care service delivery contexts. The concepts introduced in this unit provide the basis for further study in subsequent units.

### NSN726 Specialist Acute or Cancer Nursing Practice

Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-2

This unit will develop theoretical knowledge and clinical nursing skills to apply evidence-based practice in acute or cancer health care contexts. Individuals in acute and cancer care environments experience a wide range of complex health care problems. Contemporary health service delivery in these fields require nurses to apply an advanced level of specialty theoretical knowledge and skill to lead, evaluate and communicate evidence-based care within the transdisciplinary team to inform person-centred care outcomes. There is a focus on effective prevention and management of complex health care concerns experienced by individuals and their families across the lifespan. NSN724 and NSN726

are the two specialist units required for the Acute and Cancer Nursing Majors.

### NSN728 Health Care Context and Service Provision

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This is a core unit that develops knowledge of the contemporary health care context and the issues impacting health professionals in the delivery of effective, sustainable nursing care. The unit will explore broader health care contextual issues that impact on the nursing profession and health service delivery. For example, equity and access to health services, Aboriginal and Torres Strait Islander health and the ageing population. It provides an opportunity to examine the impact that policies, global and national health trends have on nursing service provision. Knowledge and critical application of the principles of cultural safety, primary health care and social inclusivity are examined to develop recommendations for changes in nursing services, justified by literature and evidence.

### NSN730 Clinical Leadership in Specialist Nursing

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

In the dynamic context of health care, nurses often find themselves in situations that require professional leadership, transparent clinical reasoning and decision making.

Advanced health assessment skills are core to effective decision making and essential to the specialist nurse role. This unit provides students with the knowledge and skills required to support holistic health assessment, clinical leadership, effective reasoning and decision making.

### NSQ631 Ageing and Health Assessment

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES3

This unit addresses core concepts, issues and comprehensive exploration of the unique and complex needs of the older person. For the first time in history, there is a global phenomenon that the ageing population will be larger than the younger population. There is a need for increased education focused on ageing to prepare health professionals to meet the increasing levels of complex care that are required. The ability to accurately assess and respond to the full range of healthcare needs of the older person is an essential requirement to ensure quality person-centred care for the ageing population. This unit provides health professionals, or those working or seeking to work with older people, with the knowledge and understanding of the physical, psychosocial

and culturally safe practices, and approaches to care related to the older person in Australia and internationally.

### NSQ633 Skin and Wound Care

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

Providing complex wound care to people in acute, residential and community health areas is a growing challenge for health care services. Quality wound care for the older person requires a holistic approach as impacts are seen in every aspect of a person's life. This unit provides you with an in-depth knowledge of acute and chronic wounds specific to the older person and addresses challenges related to providing optimal management of wounds to inform evidence-based practice in wound care.

### NSQ634 Dementia

Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit explores a range of the psychosocial, cultural, political and clinical issues that are related to the increasing prevalence of dementia, in Australia and internationally. Currently there are 342,800 Australians living with dementia and with an ageing population, this number is expected to triple by 2050. To meet the increasing needs of this vulnerable population, it is essential that all health care



professionals have a good understanding of dementia and the specialised care that a person with dementia requires. This unit provides a broad overview of the physical, behavioural and psychosocial manifestations of dementia throughout the disease trajectory, examines the evidence around best dementia care practices, and discusses the unique challenges faced by the person with dementia, their families, and service providers. The presentation of delirium and depression are also contrasted to dementia and the relationships between these conditions are discussed.

### NSZ430 Clinical Therapeutics

Equivalent s	NSN430
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

This unit focusses on clinical therapeutics which is integral to the Nurse Practitioner advanced scope of practice. This unit will enable you to develop and establish a framework of appropriate selection of medicines for individual consumers using pharmacology and clinical therapeutics knowledge, with a key focus on Quality Use of Medicine (QUM) for improved consumer health outcomes. Your clinical skills will be developed to enable you to prescribe, administer and evaluate the effects of medicines based on consumer health assessment and diagnosis in the role of Nurse

Practitioner. Completion of this unit will provide a foundation consistent with the clinical, organisational, professional and legislative requirements, knowledge of pharmacotherapeutics and the principles of QUM, that must inform the nurse practitioner's decision-making about pharmacological therapies. This unit will be consolidated in the second pharmacology unit NSN432: QUM and Safe Prescribing.

### NSZ431 Transforming Service

Equivalent s	NSN431
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

Nurse practitioners provide health care to populations across a broad range of social, demographic and health care contexts, including populations who are marginalised, underserved and socioeconomically disadvantaged. Nurse practitioner services help to meet healthcare reform goals by improving continuity of and access to care, prevention and early detection of disease, advanced nursing intervention, and interprofessional collaboration. In this unit you will reflect upon your prior professional experiences to enhance awareness of the multidimensional and multifaceted complexities of health service delivery in the contemporary Australian health care context. You will gain the knowledge and skills

necessary to explore the criticality of the nurse practitioner role to service provision. You will build on this knowledge in later units, particularly *NSZ438 Transition to Nurse Practitioner Practice* and *HLZ703 Project*.

### NSZ432 Pharmacological and Non-pharmacological Therapeutics

Pre-requisites	NSZ430
Equivalent s	NSN432
Credit Points	12
Campus	External
Availabilities	<b>External</b> - SEM-1

The nurse practitioner role entails advanced nursing practice that features both autonomous and collaborative elements. The nurse practitioner role might include prescribing drugs from a defined formulary; high-level technical procedures; requesting or performing diagnostic investigations; consumer education and counselling; and direct referral to other health professionals. The aim of such activities is to deliver and evaluate consumer care in a specialty area that conforms to regulatory requirements and that is ethical, culturally-sensitive, context-driven, evidence-based and responsive.

### NSZ434 Evidence-based Practice and Research Design

Equivalent s	NSN434
Credit Points	12
Campus	External



## Units

Availability	<b>External</b> - SEM-2
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This unit examines the relationship between research evidence and practice, and creates an opportunity to understand, critique and contribute to current practice in light of relevant research. It emphasises critical inquiry and research skills including the ability to analyse and critique research methods and evidence and to evaluate the results with reference to real world experiences. Drawing on knowledge of research principles and processes, knowledge and skills will be applied to develop a research proposal to investigate a particular area of practice relevant to a specialisation and/or professional interest. The proposal developed in this unit will inform the final assessment in HLN703 Project.

### NSZ435 Integrated Professional Practice 1 (Primary Health)

Pre-requisites	NSZ430 and NSZ433
Equivalent	NSN435
Credit Points	12
Campus	External
Availability	<b>External</b> - SEM-1

This unit provides supervised and supported professional practice experience to develop and apply coursework learning. This integrated professional practice unit focuses on the development of knowledge and skills in comprehensive health assessment, with a particular focus on primary health care

principles and Aboriginal and Torres Strait Islander peoples' and communities. This unit builds on and applies knowledge and skills gained in four previously completed units: NSZ431 Transforming Service, NSZ433 The Science of Health Assessment, NSZ430 The Science of Pharmacology and NSZ432 Pharmacological and Non-pharmacological Therapeutics.

### NSZ436 Advanced Health Assessment and Diagnosis

Pre-requisites	NSZ433
Equivalent	NSN421, NSN436
Credit Points	12
Campus	External
Availability	<b>External</b> - SEM-1

This unit builds on NSZ433: The Science of Health Assessment and advances knowledge and skills in preparation for NSZ437: Integrated Professional Practice 2 (Specialty context for practice). The unit focuses on alterations of body system physiology and the pathophysiology of frequently encountered health conditions across the life span. Attention to diverse populations and a range of disease states will be highlighted. Consideration will be given to interprofessional roles and contributions, accountability and legislation in relation to the management of consumer diagnostics.

### NSZ439 Integrated Professional Practice 2 (Clinical Mastery and Leadership)

Pre-requisites	NSZ432 and NSZ435 and NSZ436
Equivalent	NSN439
Credit Points	12
Campus	External
Availability	<b>External</b> - SEM-2

This capstone unit extends previous learning to develop student's clinical capability and leadership in a specialty context. Progressively decreasing levels of clinical support is provided as you progress to mastery in assessing, prescribing and implementing therapeutic interventions for consumers. The significant benefits of maintaining ongoing professional development is also a key focus. The supervised and supported professional practice experience develops mastery of knowledge and skills to meet nurse practitioner standards for practice (NMBA, 2014). During this final Integrated Professional Practice unit you will continue to develop in the nurse practitioner role under the supervision of an appropriately qualified clinical support team and a nurse practitioner mentor appointed by the university. This unit builds on the knowledge and skills attained in NSN435 Integrated Professional Practice 1

### OPB201 Foundations of Optometric Practice

Credit Points	12
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## Units

Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides you with foundation skills and knowledge to prepare you for your journey towards becoming an optometrist. This unit introduces you to the core knowledge base that underpins the profession (ocular anatomy and physiology, ophthalmic optics and visual science), scope of practice and competencies relevant to practice (ethics, law, communication, cultural awareness, and evidence based practice). The unit also introduces and applies the concepts of professional identity and skills required when working in a health care setting (professional skills, reflective skills, and research skills). Students will learn the value of teamwork, reflect on their learning and develop lifelong learning skills. Topics introduced in this unit will provide foundation materials for later units in the optometry program, through which you will further develop core knowledge and professional skills.

### OPB351 Visual Science 3

Pre-requisites	OPB352 and OPB353
Co-requisites	OPB452 and OPB453
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This is basic visual science unit that will assist you to develop a working knowledge of visual

science including the optics of the eye, including its basic design, dimensions and retinal quality as well as the psychophysical principles of vision. The ability to understand these basic visual science principles is an essential foundation to optometry, which involves assessing the visual function of patients as part of an eye examination in order to characterise a patient's vision, determine whether or not ocular or systemic diseases are present, and make recommendations regarding prescription options.

### OPB352 Ocular Anatomy and Physiology 3

Pre-requisites	LSB250 and LSB255 and OPB201
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Optometric practice covers a range of functional vision measurements. An understanding of ocular anatomy and physiology is required to interpret such measurements, as well as to understand ocular disease processes. Optometrists are considered vision experts and this course will provide students with essential knowledge on the eye and vision. This fundamental knowledge is required early in the optometry course. This unit builds on prior knowledge of cellular structure, anatomy and physiology from the first year of the optometry program.

### OPB353 Ophthalmic Optics 3

Pre-requisites	PCB150 and OPB201 and (MAB141 or MAB233)
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Ophthalmic Optics is a fundamental area of Vision Science and Optometry, as a majority of problems deal with in these fields require optical solutions. It provides much of the optical basis for other units in the Optometry and Vision Science course dealing with optics, and thus is placed early in the course.

### OPB451 Visual Science 4

Pre-requisites	OPB351 and OPB452
Co-requisites	OPB556
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Optometrists assess the visual function of their patients as part of an eye examination. This enables them to characterise a patient's vision, determine whether ocular or systemic diseases are present, and make recommendations regarding prescription options. A working knowledge of visual science forms the basis for understanding these measurement processes and thus underpins the principles of optometric practice.

### OPB452 Ocular Anatomy and Physiology 4

Pre-	OPB352
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## Units

requisites	
Co-requisites	OPB351
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This is a continuation of OPB352 Ocular Anatomy and Physiology 3. The unit covers the anatomy and physiology of skull and orbit, the retina, neural pathways, extraocular muscles, eye movements, vasculature, neurophysiology of vision and an introduction to electrophysiological techniques. Understanding the underlying ocular anatomy and physiology is fundamental to the interpretation of vision assessment, other clinical measures and ocular disease processes. This unit will provide students with a detailed knowledge of the structures both internal and external to the eye that are involved in the production of clear, single vision and its perception.

### OPB453 Ophthalmic Optics 4

Pre-requisites	PCB240 and OPB353
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit continues development of learning in the optics of spectacle lens corrections, lens forms and designs and the optical and mechanical measurements of spectacles and lenses required in future clinical practice. Ophthalmic optics is a

fundamental area of optometry, as the majority of problems dealt with in optometry require optical solutions. Students are introduced to the theory and practice of some essential techniques required to examine patients' eyes and assess visual functions. The aims of this unit are to provide you with an advanced understanding of concepts of ophthalmic optics and some objective techniques for the evaluation of visual function; and to allow you to develop some basic skills in dispensing optics.

### OPB550 Diseases of the Eye 5

Pre-requisites	(CSB520 or LSB475) and OPB452
Co-requisites	OPB654
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

The most important part of any eye examination is an assessment of ocular health. Optometrists are primary health care practitioners, and by far the majority of patients who require an eye examination consult an optometrist. Therefore, optometrists are at the forefront of the fight against eye disease, and they also play a major role in the detection of general or systemic diseases that cause ocular signs and symptoms. An exhaustive treatment of the subject of eye diseases is therefore germane to optometric studies. This unit builds on prior learning in disease processes, ocular anatomy and physiology, and

visual science.

### OPB556 Assessment of Vision 5

Pre-requisites	OPB351 and OPB453 and PYB007
Co-requisites	OPB451
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit introduces the theory and practical skills of techniques for examining patients' eyes and assessing visual functions. Subjective and objective techniques of assessing visual status are learned. The skills necessary to communicate with patients are introduced. The unit builds on prior knowledge in visual science, ophthalmic optics and communication skills.

### OPB557 Binocular Vision

Pre-requisites	OPB451 and OPB556
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Refractive errors, accommodation and binocular vision anomalies are among the most common vision problems confronting the optometrist. The understanding of the development of refractive errors and functioning of the binocular vision system are important bases for the examination of patients in a clinical setting and the subsequent management of anomalies in these areas. The ability to instigate myopia



control strategies and binocular vision training are important roles of optometry.

### OPB650 Diseases of the Eye 6

Pre-requisites	OPB451 and OPB550 and OPB556
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

A critical part of any eye examination is an assessment of ocular health. Optometrists are primary health care practitioners, and the majority of patients who require an eye examination consult optometrists. Therefore, optometrists are at the forefront of the fight against eye disease, and play a major role in the detection of systemic diseases that cause ocular signs and symptoms. Extensive coverage of the topic of eye diseases is therefore a major part of optometric studies. This unit is a continuation from OPB550 and provides students with the knowledge and capabilities to detect and diagnose eye disease, and take appropriate clinical action. OPB650 focuses on building knowledge of diseases influencing the posterior eye, ocular manifestations of systemic disease and neuro-ophthalmology. Knowledge from this unit will be highly relevant to future units in the Master of Optometry (OP85) course involving clinical optometric practice and therapeutic management of eye disease.

### OPB654 Ocular Pharmacology

Pre-requisites	OPB452 and LQB450
Co-requisites	OPB550
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Optometrists have achieved a legislative framework that enables them to use pharmaceutical agents both in the examination of the eye and in the treatment of eye disease. This unit relates pharmacological principles introduced in the unit Pharmacology For Health Professionals to the eye and ocular conditions. The unit provides students with the required knowledge of how pharmaceutical agents are used to examine the eye and to treat eye diseases.

### OPB656 Assessment of Vision 6

Pre-requisites	OPB556
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides the theory and practical skills knowledge in the use of advanced clinical techniques used in eye examinations to assess ocular health (slit-lamp biomicroscopy, ophthalmoscopy, tonometry, gonioscopy) and visual function (visual fields). It introduces the theory guiding these techniques, and develops the

procedural and communication skills required to accurately, efficiently and safely perform these techniques. The unit develops your skills in the recording and interpretation of the clinical data obtained from these techniques to inform patient advice and management. The ability to accurately, efficiently and safely perform these clinical techniques in eye examinations is a requirement for clinical practice, forming the basis for assessment and management of patients in optometry practice. This unit builds on the clinical techniques developed in OPB556 Assessment of Vision 5, and will be further developed during the clinical units in OP85 Master of Optometry.

### OPN161 Optometry in Special Needs Groups

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

The theory and practice of clinical optometry procedures form the basis for providing students with a thorough knowledge in all aspects of patient management. This unit involves clinical procedures required to perform advanced investigation of visual problems, including those in paediatric populations and for patients with visual loss.

### OPN162 Contact Lens Practice

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b>



## Units

es - SEM-1

Contact lenses are an important clinical option for the correction of refractive errors of the eye. Students will develop the skills necessary to manage contact lens patients in clinical practice.

### OPN163 Primary Care Clinic 7

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit begins clinical optometric practice in the primary care area within the Optometry Clinic of the Faculty of Health Clinics. Through clinical practice, students will develop specific problem solving strategies in clinical practice, and develop problem specific examination techniques, reinforcing and refining clinical skills developed in the previous units. This unit begins the transfer of theoretical and practical skills to the clinical situation, providing the early basis for transition to professional practice.

### OPN164 Research Methods in Optometry and Vision Science

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Optometrists and vision scientists need experience in research methods and statistical procedures and so that statistical techniques used in the optometric and vision science literature may be

critically evaluated in the development of the evidence base of the profession. This unit leads into the later units, OPN264 Research Project and OPN361 Evidence Based Optometry.

### OPN261 Therapeutic Management of Eye Disease

Pre-requisites	OPN163
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Optometric practice allows appropriately trained optometrists to provide therapeutic pharmacological and non pharmacological management of a range of eye diseases. It is important for optometrists to have a comprehensive knowledge of prescription drugs used in the management of eye disease, be able to develop evidence-based treatment plans, and assess the outcomes of treatment. Also optometrists should understand the framework of of legal and social and ethical governance within which therapeutic practice operates. This unit aims to integrate your knowledge of eye disease and ocular pharmaceutical agents to allow you to legally, safely and effectively develop treatment plans for your patients in optometric practice. The unit emphasises an evidence-based and practical approach to therapeutic management of eye disease.

### OPN262 Specialist Clinic 8

Pre-requisites	OPN161, OPN162, and OPN163
Co-requisites	OPN263
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit begins clinical practice in the specialist areas of contact lens practice and binocular vision and low vision. Students will begin development of clinical case management and problem solving strategies in these specialist areas of clinical practice. They will also develop higher level clinical examination techniques, reinforcing and refining clinical skills developed in the previous specialist clinical units in these areas.

### OPN263 Primary Care Clinic 8

Pre-requisites	OPN161, OPN162 and OPN163
Co-requisites	OPN261 and OPN262
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit continues clinical optometric practice in the primary care area within the Optometry program. Through clinical practice, students will further develop specific problem solving strategies, and further develop problem specific examination techniques, reinforcing and refining clinical skills developed in previous units. This unit continues the transfer of theoretical and practical skills

to the clinical situation. Students will take on a gradually increasing responsibility for clinical decision making and management and begin demonstrating strategies that enable ongoing self-reflective practice in a professional context.

### OPN264 Research Project

Pre-requisites	OPN164
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

The unit provides the theory and practical skills in the use of research methods and statistical procedures to undertake research. This includes developing research skills in data management, statistical techniques and data presentation, as used in the optometric and vision science literature. These skills are important to complete the research projects commenced in OPN164 Research Methods in Optometry and Vision Science. The skills and knowledge developed in this unit will form the basis for the critical evaluation, interpretation and application of research in basic science and clinical research relevant to optometry and vision science, and provides the real-world skills used by optometrists to guide their life-long learning.

### OPN271 Therapeutic Management of Eye Disease 6 Principles

Pre-requisites	OPN163
Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM5B

Optometric practice allows appropriately trained optometrists to provide therapeutic pharmacological and non pharmacological management of a range of eye diseases. It is important for optometrists to have a comprehensive knowledge of prescription drugs used in the management of eye disease, be able to develop evidence-based treatment plans, and assess the outcomes of treatment. Also optometrists should understand the framework of legal and social and ethical governance within which therapeutic practice operates. This unit aims to integrate your knowledge of eye disease and ocular pharmaceutical agents to allow you to legally, safely and effectively develop treatment plans for your patients in optometric practice. The unit emphasises an evidence-based and practical approach to therapeutic management of eye disease.

### OPN272 Therapeutic Management of Eye Disease 6 Application

Pre-requisites	OPN163
Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b>

es - SEM-2

Optometric practice allows appropriately trained optometrists to provide therapeutic pharmacological and non pharmacological management of a range of eye diseases. It is important for optometrists to have a comprehensive knowledge of prescription drugs used in the management of eye disease, be able to develop evidence-based treatment plans, and assess the outcomes of treatment. Also optometrists should understand the framework of of legal and social and ethical governance within which therapeutic practice operates. This unit aims to integrate your knowledge of eye disease and ocular pharmaceutical agents to allow you to legally, safely and effectively develop treatment plans for your patients in optometric practice. The unit emphasises an evidence-based and practical approach to therapeutic management of eye disease.

### OPN361 Evidence Based Optometry

Pre-requisites	OPN262 and OPN263 and OPN264
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides an understanding of the relationships between research and clinical practice in the development of evidence-

based practice relevant for optometric practice. This is a complex and multi-faceted process requiring a strong understanding of the principles and processes of evidence-based practice, in order to inform the utilisation of evidence to ensure quality health care for patients. The skills and knowledge developed in this unit provide a basis to understand current clinical developments and further develop critical analysis and thinking skills required to successfully implement evidence-based practice into clinical routines, and provide a foundation for life-long development as a health care professional.

### OPN362 Specialist Clinic 9

Pre-requisites	OPN261 and OPN262 and OPN263
Co-requisites	OPN365
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit introduces the clinical practice of specialist areas within optometry of binocular vision, paediatric optometry, contact lens practice, colour vision, myopia management, and low vision rehabilitation. Through supervised clinical practice in these areas, students will refine their specific problem solving strategies for these areas of clinical practice, and develop problem specific examination techniques, reinforcing and

refining clinical skills and clinical thinking developed in the previous units in these areas.

### OPN365 Clinical Practice 9

Pre-requisites	OPN261 and OPN262 and OPN263
Co-requisites	OPN362
Credit Points	24
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

This unit continues the clinical optometric practice in the primary care area within the Optometry program. Through supervised clinical practice, students will refine specific problem-solving strategies in clinical practice, and further develop problem-specific examination techniques, reinforcing and refining clinical skills developed in the previous units. This unit continues the transfer of theoretical and practical skills to the clinical situation. Students will take on a greater responsibility for clinical decision making and management, demonstrating early independence and responsibility in decision making and problem solving, beginning the transition to professional practice. Students will also participate in clinical placement activity off-campus in a range of practice environments to further develop their clinical management skills and exposure to business management in practices.

### OPN461 Optometry in Professional Practice

Co-requisites	OPN465
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

The practice of optometry is regulated by several State and Federal Acts of Parliament and all optometrists have professional and ethical responsibilities. The majority of optometry graduates aspire to enter private practice, either as an employee of another practitioner or an organisation of optometrists. They are frequently required to manage the practice and therefore, must have business, finance and administration capabilities, as they relate to optometry. This unit provides the skills required for the transition from student to professional practice, including knowledge of the professional and legal responsibilities of optometrists to patients and the wider community, as well as how to manage an optometry practice.

### OPN462 Specialist Clinic 10

Pre-requisites	OPN362 and OPN365
Co-requisites	OPN465
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit continues the clinical practice of specialist areas within optometry: contact lens practice, binocular vision, paediatric optometry and vision



rehabilitation. Through further clinical practice in these areas, students will increase their knowledge and skill base in specialized clinical practice to allow a transition to independent practice.

### OPN465 Clinical Practice 10

Pre-requisites	OPN362 and OPN365
Co-requisites	OPN462
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit completes clinical optometric practice in the primary care area within the Optometry program. Through further clinical practice, students will refine specific problem solving strategies in clinical practice, and problem specific examination techniques, illustrating a consolidation and integration of their theoretical knowledge base and clinical skills developed in the previous units. Students will demonstrate significant responsibility for clinical decision making and management, demonstrating independence in decision making and problem solving as final preparation for their transition to professional practice. Students will also participate in clinical placement activity off-campus in a range of practice environments with a view to further developing clinical management skills and exposure to business management in practices.

### OPN471 Optometry in Professional Practice - Business Management

Co-requisites	OPN465
Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM5B

The practice of optometry is regulated by several State and Federal Acts of Parliament and all optometrists have professional and legal responsibilities. The majority of optometry graduates aspire to enter private practice, either as an employee of another practitioner or an organisation of optometrists. They are frequently required to manage the practice and therefore, must have business, finance and administration capabilities, as they relate to optometry. This unit provides the skills required for the transition from student to professional practice, including knowledge of the professional and legal responsibilities of optometrists to patients and the wider community, as well as how to manage an optometry practice.

### OPN472 Optometry in Professional Practice - Principles

Co-requisites	OPN465
Credit Points	6
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

The practice of optometry is regulated by several State and Federal Acts of Parliament and all optometrists have

professional and ethical responsibilities. The majority of optometry graduates aspire to enter private practice, either as an employee of another practitioner or an organisation of optometrists. This unit provides the skills required for the transition from student to professional practice, including knowledge of the professional, ethical and legal responsibilities of optometrists to patients and the wider community.

### PCB150 Biomedical Physics

Anti-requisites	PVB101
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit aims to provide Biomedical and Allied Health students with an introduction to the physical properties and processes that underlie the science and technologies used in those fields. Professionals in the applied sciences require an understanding of the processes involved in making and recording measurements and of the physical principles that underlie the parameters being measured and the instruments being used to make those measurements. The unit introduces you to the processes of measurement, and of estimating, presenting and interpreting the uncertainties associated with measurements. The physics of mechanics, heat, sound and light will be introduced and explained to enable you to understand the parameters



## Units

being measured and the limits of the measurement process. The unit will include a broad introduction to the imaging technology underpinning the diagnosis of many diseases.

### PCB240 Optics 1

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

A unit in basic optics is an essential part of any course for optometrists. The eye is an optical instrument that collects and images light to provide our valuable sense of vision. It is important that we know how to quantify and measure light, and control it in lamp sources, instruments and in detector systems. This unit is specially designed to cover a range of topics relevant to optometrists exploring these aspects of light. You will solve a range of practical problems using the principles of geometrical optics, reflection and refraction from surfaces and thin lenses. The relationships between photometric quantities such as flux, intensity, illumination and luminance will be explored. How the eye perceives colour and its quantitative and qualitative determination through CIE chromaticity coordinates will be investigated. Physical optics will be used to examine monochromatic and chromatic aberrations, the wave nature of light and the occurrence of interference and diffraction.

### PCB272 Radiation Physics

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Radiographers require a basic knowledge of general physics and more detailed theoretical background to the physical basis behind the equipment design, construction and materials and the increasing technological support for developing modalities. The aim of this unit is to provide you with an understanding of radiation physics related to x-ray production and radiographic practice and how radiation interacts with matter. You will learn about the basic physics of radiation and radioactivity, interaction of radiation with matter, radiation safety and the physics underpinning X-ray imaging. You will also acquire the basic knowledge of the physical principles of X-ray imaging and radiotherapy systems.

### PCB593 Digital Image Processing

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides students in the Astrophysics minor with an opportunity to learn how to use image processing techniques. An understanding of digital image processing enables information to be extracted from images that is not

otherwise accessible. This unit delivers an understanding of digital images and the skills required to manipulate images in order to enhance features and extract quantitative information. Specific areas of study include the structure of digital images; image display techniques; grey scale palettes and look-up tables; colour perception, colour models, image formats, Fourier transforms; convolutions; image processing hardware; image analysis, enhancement and restoration; spatial filtering; Fourier space filtering; methods of image reconstruction; 3D volume and surface rendering; applications of image processing in medicine, astronomy and remote sensing.

### PCB675 Radiation Safety and Biology

Pre-requisites	PCB272
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit covers radiation protection and the biological effects of radiation on the human body. It is aimed towards those who are likely to be working with ionizing radiation in the workplace.

### PCN112 Medical Imaging Science

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit offers an introduction

to nuclear medicine, radioactive decay, radionuclide production, imaging systems and internal dosimetry. There is a strong emphasis on the application of new technologies in the clinical discipline of nuclear medicine. The second part offers an introduction to programming techniques and algorithms and digital image processing techniques that are important for the practicing medical physicist. The techniques will be authentically applied to different types of medical images preparing you for the workplace on graduation.

### PCN113 Radiation Physics

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit includes the following: radioactivity and the interaction of ionising radiation with matter; applied radiation counting techniques; radiation detectors; radiation dosimetry.

### PCN211 Physics of Medical Imaging

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Support for clinical imaging systems is an integral part of the Medical Physics profession. This requires an understanding of not only electronics and software, but also the fundamental physics underpinning the process of imaging. The aim of this unit is

to provide you with a solid understanding of the physics behind three common medical imaging modalities: Computed Tomography, Magnetic Resonance Imaging and ultrasound imaging. These techniques complement each other both in terms of the type of radiation used (ionising radiation, radio waves and acoustic waves) and in terms of the imaging utility; therefore, this combination of techniques provides a good introduction into the diverse and rapidly developing field of medical imaging. You will learn about the interaction of these types of radiation with matter, the basic mathematical principles of image formation, the factors determining image contrast and ways to modulate contrast, and the imaging common hardware.

### PCN212 Radiotherapy

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit provides an overview of the application of physics to radiotherapy including theoretical and practical aspects of the major topics in radiotherapy physics. The unit builds on your previous knowledge of radiation physics and applies it to radiotherapy.

### PCN214 Health and Occupational Physics

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit covers radiation protection of humans, primarily aimed at radiation in the workplace. Topics include sources of radiation, effects of ionizing radiation on the human body, radiation protection in diagnostic radiology, and laser safety.

### PCN218 Research Methodology and Professional Studies

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

In the rapidly changing technological environment of medical physics and medical ultrasound it is essential that students develop basic research skills, data interpretation skills and written communication skills. Topics include the research process, data collection and analysis techniques, and writing and evaluating research reports. Students also require knowledge of the professional, basic management, legal and ethical issues involved in their particular speciality area. Topics include the role and purpose of professional bodies, professional communication, legal and ethical issues, and basic professional management techniques and issues.

### PCN520 Project (FT)

Pre-requisites	
Credit Points	48
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM

New and exciting technologies are playing an increasingly important role in everyday life. Modern healthcare is a good example of a field where technology has had a huge impact in the way patients are diagnosed and treated. Graduates are increasingly involved in the research and development of new technologies and also in its translation and implementation into clinical use. This unit aims to develop further your skills for carrying out such work in the form of a research project. The project may be carried out in collaboration with a hospital or industry. This unit aims to introduce and improve your skills in carrying out research work in the form of a short research project.

#### PCN540 Project (PT)

Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM

New and exciting technologies are playing an increasingly important role in everyday life. Modern healthcare is a good example of a field where technology has had a huge impact in the way patients are diagnosed and treated. Graduates are increasingly involved in the research and development of new technologies and also in its translation and implementation into clinical use. This unit aims to develop further the student's skills for carrying out such work in the form of a research project. The project may be

carried out in collaboration with hospitals or industry. This unit aims to introduce and improve the students skills in carrying out research work in the form of a short research project. (48 credit points achieved at completion of PCN540-1 and PCN540-2.)

#### PCN540 Project (PT)

Credit Points	24
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

New and exciting technologies are playing an increasingly important role in everyday life. Modern healthcare is a good example of a field where technology has had a huge impact in the way patients are diagnosed and treated. Graduates are increasingly involved in the research and development of new technologies and also in its translation and implementation into clinical use. This unit aims to develop further the student's skills for carrying out such work in the form of a research project. The project may be carried out in collaboration with hospitals or industry. This unit aims to introduce and improve the students skills in carrying out research work in the form of a short research project. (48 credit points achieved at completion of PCN540-1 and PCN540-2.)

#### PCN701 Topics in Advanced Chemistry 1

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b>

es

- SEM-1, SEM-2

The complexity of chemical systems studied in a research program and the sophistication of the modern instrumentation demand deeper theoretical understanding than that acquired in an undergraduate program. This unit provides students with the appropriate advanced level theoretical and practical knowledge necessary for the completion of their research program and for a research career in the academia and the relevant industry. The exact content of the unit depends of the nature of the research project that the student is undertaking. However, this could typically include a selection of topics such as Advanced Materials Characterisation Techniques, Advanced Chemometrics Techniques, Advanced Chemical Testing and Calibration, and Advanced Methods of Data Interpretation.

#### PCN801 Topics in Advanced Chemistry 2

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The complexity of the chemical systems studied in a research program and the sophistication of the instrumentation used demand that deeper theoretical understanding than that acquired in an undergraduate program. The aims of this unit are to extend and deepen the theoretical and practical background required for undertaking a research

program and to provide the candidate with the appropriate theoretical and practical background, at an advanced level, necessary for the completion of a research program.

### PMN501 Project Management Essentials 1

Equivalent s	PMQ501, PMN610
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit will furnish you with an appreciation of the nature and role of project management as a professional discipline. With a specific focus on aspects of project planning and project development, the unit will describe, clarify, and formalise project management of the front end of projects to prepare you for further postgraduate study or bring new knowledge and skills to your professional endeavours.

### PMN502 Project Management Essentials 2

Equivalent s	PMQ502
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - 6TP3, 6TP5

This unit will furnish you with an appreciation of the nature and role of project management as a professional discipline. With a particular focus on the final two phases of project management; project delivery and handover, this unit will prepare you for further

postgraduate study or bring new knowledge and skills to your professional endeavours.

### PMN503 Systems in Project Management

Equivalent s	PMQ503
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit is to further develop the student's knowledge and skills in considering and applying systems thinking and a systems approach towards all processes and aspects of project management. A systems approach to project be more effective and will best integrate a project with its final user customer and all other stakeholders. The student will understand that the PMBOK processes are based on system thinking, and how to apply them.

### PMN504 People and Projects

Equivalent s	PMQ504
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit will provide you with the fundamental skills and knowledge to manage internal and external stakeholders, and to appreciate the role and contribution of the Project Manager in facilitating outcomes critical for the success of a project. The unit will specifically focus on the competencies required to effectively lead, motivate and

manage individuals within the project team. The unit provides an understanding of how to undertake negotiation and conflict resolution, recognise individual and cultural differences and different communication styles, and appreciate ethical issues appearing in projects..

### PMN601 Projects and Performance

Equivalent s	PMQ601
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit will provide you with tools and techniques to design and analyse performance benchmarks in dynamic project environments that can be implemented across different disciplines. The changing dynamics of workplace and emerging performance indicators make performance measurement and management a key issue in modern project management practice. The comprehensive review of project performance guidelines will be followed by specific analytical tools to enable students to have hands-on experience with complex management problems. Lastly, due to the dynamic nature of the topic, you will conduct limited research into emerging performance indicators such as sustainability that compliments the traditional cost and schedule compliance, and new analytical tools afforded.



### PMN602 Organisations and Projects

Equivalent s	PMQ602
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit will provide you with advanced skills and knowledge to manage organisational and human resources issues required to achieve outcomes critical for the success of a project. The unit will focus on the aspects of project governance, organizational culture, organizational development and change, high performance teams and leadership in organisations. It will provide the understanding of effectively leading and managing project teams and their performance while managing constraints in time, cost and quality, as well as social, political and environmental influences.

### PMN603 Project Investigation 1

Equivalent s	PMQ603
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Problems that confront Project Managers are ill-defined and complex. Problem identification, evidence-based literature searching, research design and planning and effective communication through reports and presentations are essential attributes of the modern Project Manager. This unit provides

you with the knowledge of applied and evidence-based methods to critically appraise and solve discipline-specific real world problems and effectively communicate processes and solutions verbally and in writing. This unit will also assist you in the development of clearly-defined questions and techniques to plan and execute an applied project of your own design in PMN606 Project Investigation 2.

### PMN604 Strategy and Projects

Equivalent s	PMQ604
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit explores the detailed links between the organisational business strategy and the projects, programs and portfolios delivered by organisations. It teaches you how to use tools and techniques to extract maximum value from the program and portfolio that organisations espouse to, hence developing strategies for delivering optimal benefit for both client and provider organisations. This unit builds on a sound understanding of project and business lifecycles and informs program and portfolio planning and development activities. Teaching and learning approaches ensure that the skills acquired are applied by engaging in a range of real-world case-studies and through the development and delivery

of your own project strategies and reports. This will help you to develop optimal programs and portfolios for a client or provider business, by extracting maximum value from these through linking and aligning these to your business strategy.

### PMN605 Strategic Project Procurement

Equivalent s	PMQ605
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit identifies the optimal procurement strategy for a project. It takes a strategic approach and positions procurement in the project lifecycle. It also provides the detail required to be an effective client or tenderer for projects. A broader range of procurement strategies and contract forms are now available to the market and clients and providers need to understand the risk profiles of each of them before entering into such contracts. The tools and techniques required are not the same for every contract and so both clients and providers must be prepared with both systems and suitably qualified people. It builds on a sound understanding of projects and the project lifecycle and informs the project risk assessment and risk allocation for the project.

### PMN606 Project Investigation 2

Pre-requisites	PMN603
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## Units

Equivalent s	PMQ606
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Problem definition, evidence-based literature searching, applied research, reflective practice and effective communication of solutions through reporting are essential attributes of the modern Project Manager. This unit enables you to plan and execute an independent and applied research project addressing a relevant real world problem in a related project management discipline area and effectively communicate processes and solutions in a reflective way. It provides an opportunity to individualise your studies by concentrating on a specific problem and build on the applied, evidence-based research skills and knowledge you have gained in PMN603 Project Investigation 1.

### PMN607 Strategic Risk Management

Equivalent s	PMQ607
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit takes a strategic approach to risk in the project and business lifecycles. A broader range of risk management frameworks are now available and clients and providers need to understand the features of each before any implementation. The

knowledge and skills developed in this unit contribute to effective identification, analysis, evaluation and treatment of risk to the project and the organisation in an integrated way. This unit builds on a sound understanding of risk and opportunities in projects to inform decision-making and the project and program risk allocation between client and provider. Teaching and learning approaches ensure that the skills acquired are applied.

### PMN608 Managing the Project

Pre-requisites	48 credit points of study
Equivalent s	PMQ608
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

The purpose of 'Managing the Project' is to integrate your learnings from the other units that you have studied in the MPM in order to plan, manage and execute a major and complex programme comprising multiple and related projects within a topical case study involving a real-world styled venture. 'Managing the Project' will occur within robust governance and assurance settings, which will guide the programme and projects through a well-defined stage-gate process, into commissioning and hand-over, and finally benefits realisation after the transition to business as usual. In 'Managing the Project', you will develop and

acquire practical programme/project management experience in a 'real-world styled' venture within an authentic learning environment.

### PMN610 Project Management Principles

Equivalent s	BEN610, PMN501, PMQ501
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit introduces project management as a fundamental skill for all postgraduate coursework students of the built environment and engineering. It also supports other disciplines including Business, Health, and Law. The unit provides an overview of the project management methodologies, frameworks, processes and key knowledge areas.

### PMNM5011 Project Management Essentials 1

Equivalent s	PMQ501, PMN501
Credit Points	0
Campus	Online
Availabilities	<b>Online</b> - FP07A

### PMQ501 Project Management Essentials 1

Equivalent s	PMN501, PMN610
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit will furnish you with

an appreciation of the nature and role of project management as a professional discipline. With a specific focus on aspects of project planning and project development, the unit will describe, clarify, and formalise project management of the front end of projects to prepare you for further postgraduate study or bring new knowledge and skills to your professional endeavours.

### PMQ502 Project Management Essentials 2

Equivalent s	PMN502
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit will furnish you with an appreciation of the nature and role of project management as a professional discipline. With a particular focus on the final two phases of project management; project delivery and handover, this unit will prepare you for further postgraduate study or bring new knowledge and skills to your professional endeavours.

### PMQ503 Systems in Project Management

Equivalent s	PMN503
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

This unit focuses on the skills and knowledge required for a Systems Thinking and Integration approach to project management as it relates to

scope management, schedule management, quality management and risk management. Other concepts and techniques covered as part of this unit include the interface with other organisational systems, innovation and multiple business environments, health and safety and environmental management.

### PMQ504 People and Projects

Equivalent s	PMN504
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

This unit will provide you with the fundamental skills and knowledge to manage internal and external stakeholders, and to appreciate the role and contribution of the Project Manager in facilitating outcomes critical for the success of a project. The unit will specifically focus on the competencies required to effectively lead, motivate and manage individuals within the project team. The unit provides an understanding of how to undertake negotiation and conflict resolution, recognise individual and cultural differences and different communication styles, and appreciate ethical issues appearing in projects.

### PMQ601 Projects and Performance

Equivalent s	PMN601
Credit Points	12

Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

This unit will provide students with tools and techniques to design and analyse performance benchmarks in dynamic project environments that can be implemented across different disciplines. The changing dynamics of workplace and emerging performance indicators make performance measurement and management a key issue in modern project management practice. The unit will provide a comprehensive review of project performance guidelines and introduce analytical tools to enable students to have hands-on experience with complex project management problems. The students will conduct limited research into emerging performance indicators such as sustainability that compliments the traditional cost and schedule compliance.

### PMQ602 Organisations and Projects

Equivalent s	PMN602
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit will provide you with advanced skills and knowledge to manage organisational and human resources issues required to achieve outcomes critical for the success of a project. The unit will focus on the aspects of project governance, organizational culture, organizational

## Units

development and change, high performance teams and leadership in organisations. It will provide the understanding of effectively leading and managing project teams and their performance while managing constraints in time, cost and quality, as well as social, political and environmental influences.

### PMQ603 Project Investigation 1

Equivalent s	PMN603
Credit Points	12
Campus	Online and QUT Online
Availabili es	<b>Online</b> - SES2, SES4

Problems that confront Project Managers are ill-defined and complex. Problem identification, evidence-based literature searching, research design and planning and effective communication through reports and presentations are essential attributes of the modern Project Manager. This unit provides you with the knowledge of applied evidence-based methods to critically appraise and solve discipline-specific real world problems and effectively communicate processes and solutions verbally and in writing. This unit will also assist you in the development of clearly-defined questions and techniques to plan and execute an applied project of your own design in PMQ606 Project Investigation 2.

### PMQ604 Strategy and Projects

Equivalent s	PMN604
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Credit Points	12
Campus	Online and QUT Online
Availabili es	<b>Online</b> - SES1, SES3

This unit explores the detailed links between the organisational business strategy and the projects, programs and portfolios delivered by organisations. It teaches you how to use tools and techniques to extract maximum value from the program and portfolio that organisations espouse to, hence developing strategies for delivering optimal benefit for both client and provider organisations. This unit builds on a sound understanding of project and business lifecycles and informs program and portfolio planning and development activities. Teaching and learning approaches ensure that the skills acquired are applied by engaging in a range of real-world case-studies and through the development and delivery of your own project strategies and reports. This will help you to develop optimal programs and portfolios for a client or provider business, by extracting maximum value from these through linking and aligning these to your business strategy.

### PMQ605 Strategic Project Procurement

Equivalent s	PMN605
Credit Points	12
Campus	Online and QUT Online
Availabili es	<b>Online</b> - SES2, SES4

This unit identifies the optimal procurement strategy for a project. It takes a strategic approach and positions procurement in the project lifecycle. It also provides the detail required to be an effective client or tenderer for projects. A broader range of procurement strategies and contract forms are now available to the market and clients and providers need to understand the risk profiles of each of them before entering into such contracts. The tools and techniques required are not the same for every contract and so both clients and providers must be prepared with both systems and suitably qualified people. It builds on a sound understanding of projects and the project lifecycle and informs the project risk assessment and risk allocation for the project.

### PMQ606 Project Investigation 2

Pre- requisites	PMQ603
Equivalent s	PMN606
Credit Points	12
Campus	Online
Availabili es	<b>Online</b> - SES3

Problem definition, evidence-based literature searching, applied research, reflective practice and effective communication of solutions through reporting are essential attributes of the modern Project Manager. This unit enables you to plan and execute an independent and applied research project addressing a relevant real world problem in a



related project management discipline area and effectively communicate processes and solutions in a reflective way. It provides an opportunity to individualise your studies by concentrating on a specific problem and build on the applied, evidence-based research skills and knowledge you have gained in PMN603 Project Investigation 1.

### PMQ607 Strategic Risk Management

Equivalent s	PMN607
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

This unit takes a strategic approach to risk in the project and business lifecycles. A broader range of risk management frameworks are now available and clients and providers need to understand the features of each before any implementation. The knowledge and skills developed in this unit contribute to effective identification, analysis, evaluation and treatment of risk to the project and the organisation in an integrated way. This unit builds on a sound understanding of risk and opportunities in projects to inform decision-making and the project and program risk allocation between client and provider. Teaching and learning approaches ensure that the skills acquired are applied.

### PMQ608 Managing the Project

Equivalent s	PMN608
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES3

The purpose of 'Managing the Project' is to integrate your learnings from the other units that you have studied in the MPM in order to plan, manage and execute a major and complex programme comprising multiple and related projects within a topical case study involving a real world styled venture. 'Managing the Project' will occur within a robust governance and assurance setting which will guide the programme and projects through a well-defined stage gate process, into commissioning and hand-over, and finally benefits realisation after transition to business as usual. In 'Managing the Project', you will develop and acquire practical programme/project management experience in a 'real world styled' venture within an authentic learning environment.

### PMQ610 Project Management Principles

Equivalent s	BEN610, PMN501, PMQ501
Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SEM-2

This unit introduces project management as a fundamental skill for all postgraduate coursework students of the

built environment and engineering. It also supports other disciplines including Business, Health, and Law. The unit provides an overview of the project management methodologies, frameworks, processes and key knowledge areas.

### PQB360 Global Energy Balance and Climate Change

Equivalent s	PCB563
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit is designed to offer science, engineering and other students an opportunity to understand global energy balance and climate change and its relationship to the environment and the expanding field of alternative energy technologies. It also provides students opportunities to explore global energy balance and climate change through an investigation of (i) Energy related environmental problems on local and global scale particularly the effect of atmospheric pollution from combustion of fossil fuels; (ii) Earth's climate, meteorology and transport of pollutants in the atmosphere; (iii) Working principles in selected conventional and alternative energy technologies to reduce energy related environmental consequences.

### PUB100 Medical Terminology, Anatomy and Physiology

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

A well-developed knowledge of medical terminology is required by all health professionals to facilitate effective communication between clinical groups. To be able to accurately interpret health records, reports and other health related information and to communicate with clinical staff, a Health Information Manager requires a high level of competence in medical terminology. This competency will then be applied to the development of a detailed knowledge of the clinical science of anatomy and physiology. This consolidated knowledge is essential for the development of future skills in the classification of diseases and procedures using ICD-10-AM/ACHI/ACS, the uses of clinical data for funding, management and research and its use for health care evaluation.

### PUB101 Introduction to Clinical Classification

Pre-requisites	PUB100
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Clinical classification (clinical coding) is one of the major speciality tasks of a health information management service in a hospital. Clinical

classification responds to internal and external demands for clinical information for management decision making, research and education. Coded data is used to underpin decisions relating to hospital funding, meaning that there is an imperative for the codes to be assigned correctly to ensure hospitals receive appropriate financial resources. PUB101 aims to develop your foundational skills in interpreting clinical documentation and clinical code selection. It will involve detailed study of all five classification volumes, comprising the International Classification of Diseases, 10th Revision, Australian Modification, the Australian Classification of Health Interventions and the Australian Coding Standards (ICD-10-AM/ACHI/ACS). Practical application of the principles and techniques of coding will be undertaken.

### PUB102 Foundations of Health Information Management

Equivalent	PUB208
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit gives an introductory overview to health information management students of the field of health information and their role in the health information management profession. The unit provides a context for the study of contemporary health information and data

management practice. The use of information as a strategic, organisational and management resource is discussed, and a broad appreciation of health information and data management procedures and philosophy is provided. Technology infrastructure is impacting on the business of delivering health care services. An understanding of information concepts and frameworks for assessing computer and information systems will assist health information management students to realise the potential for using technology to more effectively understand health information as a valuable resource in the health industry. Demands on the users of health information occasioned by advances in information technology are highlighted.

### PUB104 Australian Health Care Systems

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit is relevant for students in various professional roles including public health, clinical care and health service management. The unit is designed to give a broad overview of the system of health care in Australia and its operation. This knowledge is essential for anyone who is seeking to achieve the best outcomes for patients and the broader community.

## PUB110 Introduction to Health Informatics

Pre-requisites	PUB102 and IFB103
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Information technology used in healthcare facilitates collection of information using software with underlying databases to support the storage and retrieval of information on a regular basis. Healthcare professionals, especially those involved in data management side of operations, must understand the practices associated with information management and have technical skills to support clinicians and administrators in using data for reporting purposes. As health information systems is a continuously evolving knowledge area, it is vital to build a fundamental understanding of informatics principles before seeking development of advanced skills in health informatics. PUB110 will therefore give you a foundational understanding of health information systems. You will examine how healthcare organisations store, access and use information to facilitate daily operations. This unit provides essential skills to understand the role and significance of health information systems.

## PUB202 Advanced Clinical Classification

Pre-requisites	PUB101
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Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

It is essential that Health Information Managers thoroughly understand the clinician's responses to various disease processes, how this information is documented in patient records, how to access data from a variety of information feeder systems and how these relate to the process of clinical classification. This unit integrates your knowledge of medical terminology, anatomy and pathophysiology gained from PUB100 and the basic process of coding gained from PUB101 to build an understanding of the processes clinicians use to diagnose and treat common and specialised conditions. This advanced understanding will then be applied to abstraction of diagnostic and procedural details from real world clinical documentation and application of your coding knowledge in a practical hospital setting. Coding quality techniques will also be introduced. The relationship between coding and hospital funding will be discussed.

## PUB204 Resourcing and Managing Health Budgets

Pre-requisites	PUB104
Anti-requisites	PUB480,PUB609
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b>

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This unit introduces you to the concepts and methods that underpin decisions about resourcing and managing health budgets. It covers topics at the system, organisation and departmental levels. An understanding of financing and resource allocation concepts, planning and resourcing change initiatives will provide you with the knowledge and skills required to effectively manage the resources under your responsibility and to contribute to discussion and debate about health care funding decision making. By the end of the semester, you will be expected to have developed sufficient knowledge and skills to be able to describe and critically evaluate health care financing priorities and systems and make recommendations for their implementation.

## PUB208 Understanding Health Information

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit gives an introductory overview to public health professionals of the uses and applications of health information in the health industry. Understanding the diversity of health information resources available will assist public health professionals to recognise the potential of health information as a valuable resource. The unit provides context to the quality

of health information by providing an understanding of the data quality frameworks, data organisation, data standards and management principles relevant to systems within the health industry.

**PUB209 Health, Culture and Society**

Equivalent s	NSB017
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

In this unit we study social and cultural dimensions of the human body, mind, and health. The unit focuses on public health from sociological and anthropological perspectives, with a core emphasis on the ways in which social, cultural, political, and economic systems shape human health behaviours and outcomes. We examine the practical relevance of key social theories in relation to understanding complex phenomena, such as cultural safety, risk-taking behaviours, life-expectancies, and death. We examine links between ethnicity, class, gender, sexuality, geography, and health. The fundamental message is that identifying and addressing social and cultural factors that shape people's experiences of health, illness and health systems is integral to reducing health inequalities, delivering appropriate services and ultimately improving population health outcomes. This is a multidisciplinary and interprofessional unit and

welcomes students from a wide range of range of courses.

**PUB215 Public Health Practice**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This introductory unit provides you with foundation knowledge and skills about Public Health principles, scope and practice. You will gain an insight into a range of multidisciplinary approaches which are necessary in addressing the health needs of communities and populations. The unit also provides you with an overview of the conceptual framework that underpins the Bachelor of Public Health (PU52) and its associated double degrees. You will get an understanding of how the core public health skills and principles are linked throughout the course. The other core units you do as part of the Bachelor of Public Health will build on the knowledge and skills gained in this introductory unit.

**PUB326 Introduction to Epidemiology**

Anti-requisites	HLN710
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1

The skills gained in this unit will help you to critically read and evaluate the health literature, develop your assessment and analysis skills and critically

appraise health evidence - skills broadly applicable to all the areas of public health in which you might work, and a stepping stone to your further studies in PUB416 Research Methods. By applying the concepts learned in this unit to current public health problems and issues, students will contextualise the practice of epidemiology as it relates to real life and recognise its role in informing health promotion initiatives, public health programs and policies. PUB326 is a key core unit for the Bachelor of Public Health (PU52) and its associated double degrees. Building on your study of the core units in Year 1, the unit continues to develop your understanding of the conceptual framework underpinning PU52, and with PUB561 builds core skills in quantitative evidence and a critical understanding of epidemiological measures.

**PUB332 Sustainable Environments for Health**

Anti-requisites	PUB107
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

There is increasing evidence that the integrity of the environments in which we live are under substantial pressure, particularly from the way we live. The end result of such pressure is that the basic and fundamental pre-requisites for human health are threatened. The practice of Environmental Health has always been



concerned with the study of the human - environment interface and in particular the quest for developing sustainable environments for health. In recognition of the multi-disciplinary effort required to maintain and sustain such environments, this Unit is relevant to many discipline areas (e.g. public health, environmental science, education, social science, engineering and planning) and provides a valuable insight into the contributions that each discipline can make to establishing sustainable environments for health.

**PUB336 Gender Equity and Human Health**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Gender is a powerful determinant of human health globally. Men’s and women’s health are driven strongly by social constructions of gender performance across the life-course. Men live shorter lives, have higher cancer, cardiovascular disease, and higher suicide rates. Women suffer from higher rates of anxiety, depression, eating disorders, dementia, interpersonal violence, rape, and poverty globally. Further, a binary view of gender is no longer considered useful from a public health perspective, as transgender people continue to suffer some of the highest rates of interpersonal violence and suicide globally. This unit will adopt a non-binary, social

determinants approach to defining and studying gender from an intersectional perspective. It will deepen student learning about how a focus on gender equity generates improvement in population health globally. This is a multidisciplinary and interprofessional unit and welcomes students from a wide range of range of courses.

**PUB358 eHealth Concepts**

Pre-requisites	((PUB208 or PUB102) and PUB202) or 192cp
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Knowledge of digital health information systems (or eHealth) is essential for those working in healthcare. It is important that healthcare professionals appreciate contemporary technological trends, especially those relating to the transition from paper based to electronic health records, while understanding the possibilities and challenges that technology brings to the healthcare. This includes familiarity with contemporary health technologies, an understanding of core concepts of information standards and interoperability and appreciation of issues around information integrity and security. Understanding these principal concepts involves recognising the organisational dynamics associated with technology implementation. This unit

emphasises both technical and social aspects of technology implementation and its use in healthcare organisations. This unit aims to bridge the communication gap which often appears between the health care professional and computer specialists.

**PUB359 Health Information Management**

Pre-requisites	PUB102 or PUB208
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit is an important component of the Health Information Management course as it prepares you for the professional practice to be undertaken in the final semester. As health information professionals it is essential to understand all aspects of management of a health information service. This unit will connect your knowledge of health information from previous units in the course to its application within the health information services context.

**PUB370 Practical Clinical Classification**

Pre-requisites	PUB359
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

As a Health Information Manager, it is essential to thoroughly understand clinical coding to support Activity

Based Funding and casemix systems. This unit will provide students with greater competence and confidence in the use of the International Classification of Disease 10th revision Australian modification, the Australian Classification of Health Interventions and the Australian Coding Standards. Through hospital based placements, students will code from actual medical records and utilise IT feeder systems to support their coding decisions. Advancement of coding quality processes and techniques will also be covered. This final semester unit builds on the introductory and advanced clinical classification units studied in previous years and will assist the graduate in being ready for employment in a clinical coding role.

**PUB371 Transition to Professional Health Information Management Practice**

Pre-requisites	PUB359
Equivalent s	PUB364
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

This is one of the final three units prior to graduates commencing work as a health information management professional. Recognising that your level of expertise is at the beginner practitioner level, this unit is designed to develop professional skills in critical reflection that help define you as a health care professional

and set you on a pathway of continuing professional development. It will also instil and nurture your development in the areas of personal qualities, values, attitudes and behaviours which are fundamental to HIM practice within the broader context of health care. Through the opportunity for work integrated learning, you will develop evidence based knowledge and implement reflective processes to improve the quality of your health information practices. These strategies and processes are necessary for the transition into the workplace.

**PUB373 Integrated Health Information Management Practice**

Pre-requisites	PUB359 and PUB514
Equivalent s	PUB368
Credit Points	24
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

The aim of this unit is to develop high level, practical Health Information Management skills. Increased understanding of the various roles that health information managers play in the health care system is emphasised through work integrated learning experiences. Students will undertake project work as negotiated with their placement supervisor. This is the capstone unit for the Health Information Management course and a time for you to cement your framework for

professional practice. This unit will provide you with the opportunity to reflect upon your learning goals, reevaluate the outcomes of your earlier academic experiences and further develop understanding of your role as a professional health information management practitioner. The outcome of this placement unit will provide you with a sound platform from which to move from the university setting to the workplace.

**PUB380 Casemix and Activity Based Funding**

Credit Points	12
Campus	Kelvin Grove and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Casemix describes the nature of health service outputs or the type of cases treated. In the past, broad patient groups such as medical, obstetric, surgical, outpatients have been used to describe the casemix of a health care facility. However, in recent years Commonwealth and State health authorities have been introducing requirements for more detailed casemix reporting, based on demographic and coded clinical data abstracted from medical records and information systems. A Health Information Manager needs to understand how to source, analyse and report on health data to facilitate its use for assessment of activity and for purchasing of services.

### PUB406 Health Promotion Practice

Pre-requisites	PUB215 or PUB530 or PUB251
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit extends the fundamental health promotion knowledge learnt in PUB215 Public Health Practice, and PUB530, Health Education and Behaviour Change to enable the translation of knowledge into practice. The range of health promotion strategies available to practitioners working in health related fields, relative strengths and weaknesses for addressing specific health problems and practical considerations for effective implementation in contemporary health promotion practice provide an essential field of study for those who wish to work in a health promotion or related field. PUB406 provides essential learning for PUB875 Professional Practice.

### PUB416 Research Methods

Pre-requisites	PUB561 or (XNB148 and XNB255)
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

An understanding of the research process, different types of research, and how to interpret and critically evaluate

research in its multiple forms is needed to work effectively in Public Health and related areas. This unit strengthens skills and knowledge acquired in prior units within the Public Health degree, most particularly those pertaining to the core Public Health competencies of assessment and analysis by focussing on research design and planning. The unit aims to prepare you to critically engage with, evaluate and conduct high quality research within Public Health and related areas; skills that are needed in the majority of Public Health-related professional positions.

### PUB461 Qualitative Inquiry in Public Health

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Qualitative methods enable researchers to gain knowledge and understanding of people's lived experiences, the meanings they ascribe to them, and to the social context in which they take place. The nature and complexity of many public health problems require a mix of research methods and the contributions of qualitative inquiry are now well recognised. This unit is an integral component of the public health course because you will learn the skills and knowledge required to appreciate and apply qualitative research in your professional practice. This unit is placed at this point in the course because you acquired

in PUB215 a sound knowledge and understanding of the fundamental and complex public health concepts so can now develop specific research knowledge and skills. PUB461 belongs to the suite of four research units available in PU52 and associated degrees.

### PUB490 Quality Management in Health

Pre-requisites	Completion of 96cp
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Quality and risk management are increasingly important areas of activity for health care professionals with regard to clinical and administrative services, patient advocacy and more generally within health services as a whole. This unit provides you with the necessary knowledge and skills to develop a quality management program, perform quality improvement activities, and expand outcomes into process improvements and organisational change. Methods of health care performance measurement are explored, and a clinical quality framework model is introduced. Issues relating to administrative and clinical data quality, safety and privacy in an increasingly electronic health care environment are also considered. This unit aims to provide a broad overview of health service and clinical management, and is suitable



for all undergraduates enrolled in a health-related degree.

### PUB514 Contract / Project Management

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1, SEM-1, XCH-1, XCH-2

This unit is designed to provide advanced undergraduate students with an outline of some of the generally accepted processes and procedures for Contract/Project Management, with particular attention to its application to health care delivery in Australia.

### PUB530 Health Education and Behaviour Change

Anti-requisites	PUB329, PUB341
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

As a practitioner working in a variety of health and education settings, you will need to understand and be able to facilitate positive changes in human health behaviour. To bring about changes in individual health behaviours and community action, you need skills in developing health promotion strategies based on theory and evidence. This unit complements studies in health and education courses and prepares you for PUB406

Health Promotion Practice, and PUB875 Professional Practice, and subsequently your professional practice.

### PUB545 Health Policy, Planning and Advocacy

Pre-requisites	Completion of 192cp
Anti-requisites	PUB511
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Health policy, planning and advocacy are important processes that ensure health care systems are responsive to the changing burden of disease in communities. In preparation for a professional career in health, this unit consolidates knowledge of health policy formulation, planning, implementation, evaluation and advocacy. Contemporary Australian health policy challenges will be examined at local, state and national levels. The dynamic nature of the health sector requires professionals to be proficient in translating health policy into practice. This unit builds on your previous studies on contemporary public health practice and health culture and society. You will develop knowledge and skills in health policy development, analysis, planning and evaluation, and develop an understanding of the role and influence of advocacy on policy making.

### PUB561 Statistical Methods in Health

Anti-requisites	PUN105, MAB141
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

An understanding of basic statistical concepts and the ability to analyse and interpret quantitative data is an important skill for all graduates in health-related disciplines. Descriptive statistics are required to effectively summarise and communicate important information in data, while inferential statistics enable conclusions to be extended beyond the immediate data. An understanding of the principles underpinning both types of statistical methods is critical not only for the analysis of data, but also for the critical appraisal of health literature. This unit introduces the foundational skills for quantitative research and is a stepping stone into PUB416 Research Methods.

### PUB565 International Health

Pre-requisites	PUB215 or PUB251
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

We live in a rapidly changing and increasingly globalised world. We see movement of



people for business, tourism, migration and political refuge at historically high levels. Mass internal migration in many countries is creating densely populated and polluted megacities. These changes have prompted the United Nations to develop Sustainable Development Goals to 2030, and created new challenges for public health in controlling infectious diseases, environmental toxins and lifestyle-related problems. Health systems change rapidly too. Global and national health agencies must adapt and refocus energies to deal with new challenges. Health professionals are moving throughout the world as the market for skilled people becomes more fluid and, in many ways, more exciting than ever before. PUB565 builds on knowledges learnt in PUB215, PUB209, PUB561 and PUB326. This unit provides the core knowledge essential for all public health practitioners to meet future challenges in global health.

**PUB875 Professional Practice**

Pre-requisites	(Completion of 240 cp including PUB514) or (Completion of 240cp including SWB401 and SWB312)
Anti-requisites	PUB645, PUB821
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This practice unit is an essential part of preparation for professional practice. It enables integration of theory

with practice, enhancing skills for employability. QUT Public Health students are required to gain at least 100- 185 hours of practical work experience before graduation. This practical experience, undertaken during semester 2 and in pre- and mid-semester breaks, enables students to work with professional public health practitioners in office, laboratory or site-based environments. Students are supervised and engaged in productive work.

**PUN015 Environmental Management and Sustainability**

Pre-requisites	PUN465. PUN465 can be studied in the same teaching period as PUN015
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Population growth, non-renewable energy use, pollution and consumption are threatening the Earth's planetary systems that enable human health and wellbeing. With strong community pressure, government and private organisations are increasingly interested in environmental management, corporate compliance with environmental laws and showcasing their adoption of sustainable practices that reduce their ecological footprint. Organisations rely on environmental management, sustainability and HSE professionals to effectively manage environmental protection and lead in the

adoption of new ideas and technologies that advance sustainable ways of working and living. It assumes high level understanding of the science, sustainability principles and imperative legal frameworks for environmental management. It promotes collaboration in complex thinking and collective capacity for effective action to address both local and major planetary challenges.

**PUN016 Risk Assessment**

Anti-requisites	PUN008 and PUN467
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Environmental health, OHS and environmental management professionals are required to plan, conduct, oversee and/or evaluate risk assessments as part of their work. It is becoming increasingly important for organisations to undertake risk assessments to meet compliance obligations and to work towards longer term health, safety and environmental sustainability goals. This unit explores a range of risk assessment methods available for the assessment of occupational safety, occupational health, environmental management and environmental health risks.

**PUN017 Health Planning and Evaluation**

Pre-	PUN640 and PUN106
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## Units

requisites	
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Effective responses by the health system to the major challenges derived from a rapidly changing world require effective planning which integrates capital, workforce and service planning. Planning is both a technical and political activity. Planning ranges from implementation of pre-set activities to the more contentious problem of how to make decisions about spending where there are fiscal, social and environmental resource constraints. Health managers have a responsibility to lead the future direction of health services by planning for future needs. This unit is an introduction to the principles and practice of integrated health planning and the evaluation of the effectiveness of health policies, plans and services. This unit will cover the spectrum of planning including the identification of the planning context, data to inform planning, the planning process, articulation of the plan into action and post implementation evaluation.

### PUN103 Advanced Epidemiology

Pre-requisites	PUB326 or HLN710
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Epidemiology is an important scientific discipline in health research, clinical practice and public health decision-making. Currently, there is an increasing demand for scientific evidence-based health research and public health policies, and an increasing trend towards health research that considers complex biological, environmental and societal inter-relationships and/or evaluates the effectiveness of population-based interventions. You will learn about recent developments in epidemiology that contribute innovative research designs and analytical methods to complement these needs. Such knowledge and skills are critical for evaluation of current epidemiological literature, design of health research, and interpretation of research results. This unit will provide you with advanced knowledge and skills in critique of epidemiological literature, design of research projects, and interpretation of research findings.

### PUN105 Health Statistics 1

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

This is a foundational research methods unit which introduces fundamental statistical concepts relevant to describing data and testing scientific hypotheses. An understanding of basic statistical concepts is a

fundamental research skill in any scientific or health discipline. Such knowledge is mandatory for critical evaluation of the research literature, for design of efficient research studies, and to inform appropriate interpretation of research results. As such, the concepts taught in this unit are essential for postgraduate students intending to undertake independent research, and indeed, to any student attempting to critically evaluate research literature. This is an introductory unit and knowledge and skills developed in this unit are relevant to a variety of health disciplines. HLN706 Health Statistics 2 builds on this unit by extending your knowledge and skills, allowing you to conduct more complex analysis.

### PUN106 Population Health

Equivalents	PUQ106
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Health professionals face a complex and changing health profile locally, nationally, and internationally, and the biomedical model for understanding health problems does not adequately explain these complexities or sufficiently help health professionals successfully intervene to improve the population's health. It is therefore critical for health

professionals to reflect upon the social and behavioural factors that influence health and work in partnership to influence these factors. This unit is a foundation unit for graduate public health, environmental health and health safety and environment students, and is taken in the first year of a full-time postgraduate degree. The unit provides postgraduate health students with a population health foundation, and is a building block for postgraduate study in health.

**PUN210 Contemporary Health Management**

Equivalent s	PUQ210
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1, SEM-2

Health system managers require appropriate knowledge, competencies and attitudes to confront the challenges facing the health of modern communities. Acquisition of management competencies can best occur by application of an extensive knowledge of the theoretical principles that underlie organisational behaviour and the systems, structure and processes that characterise modern health services. This unit forms the knowledge and competency basis for health managers and lays the groundwork for more advanced education in the leadership role of health executives.

**PUN212 Health Information Management Perspectives**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Technology infrastructure is impacting on the business of delivering health care services. An understanding of information concepts and frameworks for assessing information systems will assist you to realise the potential for using technology to more effectively understand health information as a valuable resource in the health industry. This unit aims to provide you with an understanding of the diversity of health information resources available; the benefits of high-quality and standardised health information; data organisation and management needed within the health industry context.

**PUN213 Quality Management in Health**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Quality and risk management are increasingly important areas of focus and activity in the health industry as health service operation and performance is increasingly regulated and monitored by governments and funders. At

all levels of the health system, individuals, teams, divisions, organisations, boards and policy makers are expected to contribute to the maintenance of health care quality and safety standards and to participate in the quality improvement of services provided. This unit is the foundation unit in the Quality and Patient Safety major. It introduces students to the concepts, processes and implementation of quality improvement in health services.

**PUN214 Systems of Quality and Safety in Health**

Pre-requisites	PUN213. PUN213 may be enrolled in the same teaching period as PUN214
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Quality and risk management are increasingly important areas of focus and activity in the health industry as health service operation and performance is increasingly regulated and monitored by governments and funders. At all levels of the health system, individuals, teams, divisions, organisations, boards and policy makers are expected to contribute to the maintenance of health care quality and safety standards and to participate in the quality improvement of services provided. It is now generally accepted that a 'systems' approach is critical to quality and safety improvement in

health care, both to identify and to modify the factors that contribute to errors, poor quality and inefficiency in health care services. This unit examines in depth the rationale for and use of quality and safety systems to ensure patient safety in health care environments, using national and international case studies. It is the second of four units offered as part of the Quality and Patient Safety major and has been developed to address expectations of the health industry for managers to have in-depth knowledge of health care quality and patient safety systems and their implementation. It is designed to build on PUN213 Quality Management in Health.

**PUN219 Leadership of Quality and Safety in Health**

Pre-requisites	PUN213
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Quality and risk management are important areas of focus and activity in the health industry as health service operation and performance is increasingly regulated and monitored by governments and funders. At all levels of the health system, individuals, teams, divisions, organisations, boards and policy makers are expected to contribute to the maintenance of health care quality and safety standards and to participate in the quality

improvement of services provided. This unit provides you with advanced knowledge of leadership theories and frameworks critical for an effective quality and safety culture in health care organisations and promotes the development of the personal attributes and leadership skills required to engage and motivate staff in strategic quality improvement and innovation. The aim of this unit is to develop appropriate knowledge and skills to lead the implementation of effective quality and patient safety programs within a health care setting.

**PUN301 Occupational Health and Safety Law and Policy**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This Unit provides an overview of the many different aspects of managing occupational health and safety associated policy and law at an enterprise level. The Unit focuses on legislative compliance for organisations, the relevant legislation, Codes of Practice and industry standards, as well as how Policy is used to design implementation and verification strategies. In addition, the Unit has an emphasis on preparing the student with the requirements to appropriately analyse and inform employers within the scope of practice of a senior safety advisor/safety manager. The Unit

assessments provide students with the opportunity to apply the knowledge and skills gained in an organisational context. OHS Professionals are expected to appropriately inform an organisation's senior management (Duty Holders) to assist them in exercising their due diligence. The assessments address both strategic analysis of policy and law, as well as application in response to serious incidents or breaches.

**PUN363 Environmental Health Law**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Legal frameworks, such as the *Public Health Act 2005*, the *Environmental Protection Act 1994*, the planning legislation, local laws and other State and local legislation, provide the basis for environmental health and environmental management practice. Skills in interpretation and application of legislation, a thorough understanding of environmental health legislation and the prosecution process is vitally important to the practice of an environmental health professional. These legal frameworks have been developed over many years and aim to protect the health of the community. These frameworks encompass scientific principles for the protection of the public's



health, but respond to emerging public issues and perspectives. This unit explores legal and legislative issues, public health and environmental health legislation and the legal issues associated with the administration of public health legislation.

### PUN364 Food Safety

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Food is a fundamental human need and a prerequisite to good health. Ensuring that the food we eat is safe is a major function of both government and industry. The food sector is one of the largest industries in Australia, with over 20 billion meals provided each year. Even though the food supply in Australia is one of the safest in the world, government data indicates that each year over 5 million cases of gastroenteritis are believed to be caused by contaminated food (most of these being unreported to health authorities). The aim of this unit is to develop a detailed understanding of food contaminants, food safety principles and legislation and their application so that future health professionals are able to identify and implement processes to ensure a safe food supply and prevent food-borne illness in the community. The material in this unit focuses on food safety regulation, but is also relevant

to professionals working in the areas of food service management and nutrition.

### PUN450 Introduction to Disaster Risk Management

Equivalent s	PUZ451 PUQ451
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This is a foundational disaster risk management unit that introduces the core concepts, frameworks and underpinning principles that guide the effective management of emergencies, and man-made, weather and climate-related disasters and health impacts. This introductory unit explores the types, nature and impact of disasters and emergencies on communities in local, national and international contexts, and the range and role of national and international agencies working in emergency and disaster risk management. It provides a preliminary pathway to work on disaster risk management. Upon completion of this unit you will have a greater understanding of the disaster risk management and emergency industry and the career and voluntary opportunities within the sector.

### PUN452 Disaster Planning and Preparedness

Pre-requisites	PUN450. PUN450 may be enrolled in the same teaching period as PUN452
Credit Points	12
Campus	Kelvin Grove and External

Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1
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This unit addresses the key concepts and skills related to inclusive disaster management planning and preparedness to ensure essential community services are prepared for emergencies and the range of disaster and climate-related events they may face in local, national and international contexts. It examines and provides students practice in the real-world processes of assessing disaster risk as the first step towards building resilience and business continuity. It reflects the international focus on understanding disaster risk as a key priority of the Sendai Framework for Disaster Risk Reduction 2015-2030 and the 2030 Agenda for Sustainable Development . Upon completion of this unit you will have a greater understanding of the critical role of the disaster and emergency risk assessment process in preventing or mitigating the health and socio-economic effects of man-made or weather-related disasters and incidents.

### PUN453 Disaster Response and Recovery

Equivalent s	PUQ453, PUZ453
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit addresses the key

concepts and skills related to inclusive disaster response and recovery in local, national and international contexts. It examines and provides students practice in the real-world processes of responding to and providing inclusive relief to communities due to human-made, technological, weather and climate-related disasters, and providing an enabling environment for affected individuals, communities and broader society to recover from and strengthen inclusive and sustainable resilience to the physical, social, environmental and economic impacts of future emergency and disaster events. Upon completion of this unit you will have a greater understanding of how to implement a disaster inclusive response and develop funding proposals.

**PUN454 Leadership in Disaster Management**

Pre-requisites	PUQ451 or PUN451 or PUN450 or PUZ451
Equivalent s	PUQ454, PUZ454
Credit Points	12
Campus	Kelvin Grove and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit addresses the key concepts and skills related to leadership and strategic issues related to inclusive, future-oriented disaster risk management and resilience building. It examines the underlying drivers of risk, including factors such as social, economic, technological, climate-related

health issues, increasing global interdependencies and uneven economic development. The unit provides opportunities for environmental scanning, stakeholder mapping, crisis communication planning and decision-making in rapidly changing environments. Upon completion of this unit you will have a greater understanding of the critical role of the disaster and emergency risk assessment and how to prepare and deliver a media briefing using effective communication strategies and protocols.

**PUN465 Environmental Protection**

Credit Points	12
Campus	Kelvin Grove and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

A pollutant is defined as 'a particular chemical or form of energy that can adversely affect the health, survival, or activities of humans or other living organisms' (Miller 2000). Pollutants in the form of solids, liquids, gases or energy emissions enter our environment by natural or anthropogenic means. With the potential for pollution to severely impact the life support system of humans and other organisms, it is necessary to implement a variety of approaches to protect the environment and ensure its sustainability. This unit builds on the environmental health concepts covered in PUN620

and the legal concepts of environmental protection covered in PUN363.

**PUN466 Communicable Diseases**

Credit Points	12
Campus	Kelvin Grove and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Public health practice originated from the study and prevention of communicable diseases. Whilst public health practice has widened in scope, reducing the incidence of both existing and emerging communicable diseases (nationally and internationally) remains one of the greatest challenges to public health practitioners. Relevant activities undertaken by local/state health agencies include public health surveillance and outbreak investigation measures, immunisation programs, monitoring and enforcing infection control standards, and vector control programs. A comprehensive overview of communicable diseases is provided at the start of this unit, followed by a focus on the prevention and control of communicable diseases.

**PUN500 Occupational Health and Safety Management**

Credit Points	12
Campus	Kelvin Grove and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This Unit provides an overview of the different aspects of managing occupational health and safety at an enterprise level. The Unit focuses on various OHS management approaches, the role and requirements of relevant standards and legislation, and major OHS management areas including risk and change management, safe design and OHS performance, emergency preparedness, investigations, auditing and culture. Furthermore, the Unit emphasises the combination of systematic and systems thinking and the development of resilient organisations

### PUN617 Health, Safety and Environment Leadership and Management

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

To successfully manage health, safety and environmental hazards, the practitioner needs to be able to communicate effectively and select and implement appropriate tools and management strategies. Recognising and developing leadership skills is also crucial for achieving their full potential in the field, This unit is therefore designed to integrate the theory and practice covered in other environmental health/occupational health and safety units, and equip

students with management, leadership and communication tools and strategies that can be applied in a range of contexts.

### PUN620 Concepts of Environmental Health

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

There is increasing evidence that the integrity of the environments in which we live are under substantial pressure, particularly from the way we live. The end result of such pressure is that the basic and fundamental prerequisites for human health are threatened. The science of environmental health has always been concerned with the study of the human–environment interface, and now, even more than ever, practitioners are needed who understand not only this link, but also the strategies available to control and minimise risks associated with environmental health challenges, especially in our rapidly warming world.

### PUN632 Leadership in Health Management

Equivalent s	PUQ632
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

In the challenging environment of the contemporary health system, managers will be

required to provide organisational leadership to ensure that services continue to evolve to meet the changing community needs and the changing service delivery challenges. Such leadership requires the acquisition of knowledge and the development of competencies in leadership that may enable the future manager to address the current and future challenges. The unit further develops skills in addressing contemporary problems in public health related to the management of health services and prepares students to consider the strategic importance of leadership throughout all public health areas. You will be challenged to critically evaluate your leadership capabilities and philosophy.

### PUN640 Health Systems

Equivalent s	PUQ640
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

A detailed understanding of the structure and functioning of the health system is essential for future health system leaders and managers. The unit explores concepts that form the basis for the way health systems are designed and operate. It also examines a number of issues that influence how health services are delivered and resourced with a particular focus on the

Australian Health System but within an international context. These issues are critically analysed along with the health reform agenda and the drivers for change nationally and internationally. This unit is relevant to health professionals seeking to manage health systems or to lead and influence the future direction of health.

### PUN688 Health Policy in a Global Context

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Health policy is a major driver of health systems, their structure and functioning. Well-informed and executed policies contribute and communicate important information and evidence in the management of health organisations. The globalisation of the health sector and its governance structures as well as the changing global burden of disease present policy-makers with a complex and challenging environment in which to construct and implement responsive health policy. This unit will provide you with a critical understanding of policy-making theories and principles as well as the interplay of factors that influence policy development, implementation and evaluation. Global health issues will be used to illustrate and critically evaluate the policy process providing you with the knowledge and skills

required to undertake health policy development, implementation and evaluation in a wide range of contexts.

### PUN704 Health Management Internship

Pre-requisites	PUN640 and PUN632 and completion of 144 credit points
Credit Points	24
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM <b>External</b> - SEM-1, SEM-2, SUM

Based in a workplace, this unit takes an experiential approach to synthesise your knowledge of health care systems with your skills of investigation and analysis of complex information to contribute to professional practice and scholarship. This unit involves the planning and execution of a substantial work-based research project or equivalent capstone experience, by applying the principles and concepts studied across the course into the real world of health services delivery and health policy. A capstone unit is a point of transition for you, and prompts reflection and coherence to the whole course experience. **Limited placements are available. Students are matched to placements based on placement availability and student competencies.**

### PUP032 Health Promotion 2: Theories

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This unit provides you with foundation knowledge and skills in health promotion. You are introduced to health promotion theories and their use for understanding determinants of health behaviours and for the development of health promotion programming. The unit is usually taken concurrently with PUP038, which provides the scope of health promotion. In the following semester, PUP034 and PUP037 build on this knowledge and skills and allow you to fully plan for the development, implementation and evaluation of a health promotion program.

### PUP034 Health Promotion 3: Program Planning

Pre-requisites	PUP032
Anti-requisites	PUN613, PUP023
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

This unit is in the developmental stage of your course and furthers your knowledge and skills developed in PUP032 and PUP038 for developing a health promotion program. With a large portion of health promotion work involving the development of health promotion programs, the unit allows you to develop the skills that are essential for a health promotion practitioner. PUP034 provides you with opportunities to build, practise and provide



evidence of your analysis and problem-solving skills for developing a health promotion program proposal. The unit should be taken either concurrently with PUP037, or before it.

**PUP037 Health Promotion 4: Program Evaluation**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Evaluation is a crucial aspect of health promotion and public health work. Within the health sector there is strong competition for funding from the government and non-government sectors. The need to use evidence upon which to make judgments about programs and influence policy rests increasingly on robust evaluations. This unit will advance your knowledge and application of evaluation techniques. This unit is in the developmental stage of your course and furthers your knowledge and skills developed in prior units. PUP037 provides you with opportunities to build, practise and provide evidence of your analysis and problem-solving skills for developing a health promotion program evaluation plan. You will conduct a small-scale evaluation of a health program based on theory and the evidence. The unit should be taken either concurrently with PUP034 or after it as PUP037 assumes that you are currently receiving or have

prior knowledge in health program planning principles.

**PUP038 Health Promotion 1: Paradigms**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

This introductory unit is important because it provides the foundational knowledge and skills you require for health promotion practice. This unit will ensure you understand the fundamental principles and paradigms of health promotion as well as emerging frameworks such as the life-course perspective, advocacy and digital media as a settings based approach. This unit complements other public health units; PUP032 Health Promotion 2: Program Planning, PUP037 Health Promotion 3: Evaluation and PUP034: Health Promotion 4: Program Evaluation.

**PUP116 Human Factors and Ergonomics**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - SEM-2

Human Factors and Ergonomics is the scientific discipline concerned with the fundamental understanding of interactions among humans and other elements of a system and the application of appropriate theory and

methods to improve human performance and well-being with benefits for the overall work system. Ergonomics promotes a holistic, systems approach by considering cognitive, physical and broader factors (e.g., social, organisational and environmental). Knowledge of current methods and techniques commonly used in ergonomics is essential for the occupational health and safety professional to contribute to the design and evaluation of tasks, work systems, product/service systems and environments.

**PUP250 Toxicology and Occupational Hygiene**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Occupational hygiene involves the anticipation, recognition, evaluation and control of hazards in the working environment. Workplaces contain numerous hazards which are potentially harmful to the human health of workers, other occupants and the public. The role of the occupational health and safety professional is to develop and /or assist in the development of management strategies to identify these potential hazards, evaluate the risk they pose to persons, property and equipment and to recommend control measures which will manage the risks involved. Throughout the unit you will be

introduced to the application of techniques used in monitoring, evaluating and controlling a variety of hazards within the workplace.

### PUP415 Occupational Health

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Although the association between health and occupation has been recognised for centuries, the extent of the impact of work on health and health on work has not been addressed adequately. It is now generally accepted that environmental factors are major determinants on health. As approximately one third of a person's life is spent at work, it is not surprising to note that occupation-linked diseases, injuries, and deaths are receiving greater attention. It is no longer accepted that death, life-shortening, and disablement are an acceptable risk to be faced by working people. This unit concentrates on the various agents in the workplace capable of adversely affecting the health of workers, as well as human response to toxic and imperilling environments. Occupational Health covers identification, prevention and management of risks to health in the workplace, the disease process, occupational rehabilitation and health & wellbeing surveillance and management in the workplace.

### PUQ106 Population Health

Equivalent s	PUN106
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

Health professionals face a complex and changing health profile locally, nationally and internationally, and the biomedical model for understanding health problems does not adequately explain these complexities or sufficiently help health professionals successfully intervene to improve the population's health. It is therefore critical for health professionals to reflect upon the social and behavioural factors that influence health and work in partnership to influence these factors. This unit is a foundation unit for graduate public health, environmental health and health safety and environment students, and is taken in the first year of a full-time postgraduate degree. The unit provides postgraduate health students with a population health foundation, and is a building block for postgraduate study in health.

### PUQ210 Contemporary Health Management

Equivalent s	PUN210
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This is a core unit in the Graduate Diploma and Master

of Health Management programs. The unit explores the principles and practice of management in health to inform your role as a health manager. The unit focuses on core health management activities: organisational management; strategic management; resource management including financial and human resource management; information management; project management and change management. The focus of this unit is on the development of the analytical, evaluative and political skills required by health managers who must work in complex systems and organisations characterised by constant change.

### PUQ451 Introduction to Disaster Risk Management

Equivalent s	PUZ451, PUN450
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This is a foundational disaster risk management unit that introduces the core concepts, frameworks and underpinning principles that guide the effective management of emergencies, and man-made, weather and climate-related disasters and health impacts. This introductory unit explores the types, nature and impact of disasters and emergencies on communities in local, national and international contexts, and the range and role of national and international agencies working in emergency and

disaster risk management. Upon completion of this unit you will have a greater understanding of the disaster risk management and emergency industry and the career and voluntary opportunities within the sector.

### PUQ452 Disaster Planning and Preparedness

Equivalent s	PUN451, PUZ452
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

This unit addresses the key concepts and skills related to inclusive disaster management planning and preparedness to ensure essential community services are prepared for emergencies and the range of disaster and climate-related events they may face in local, national and international contexts. It examines and provides students practice in the real-world processes of assessing disaster risk as the first step towards building resilience and business continuity. It reflects the international focus on understanding disaster risk as a key priority of the Sendai Framework for Disaster Risk Reduction 2015-2030 and the 2030 Agenda for Sustainable Development. Upon completion of this unit you will have a greater understanding of the critical role of the disaster and emergency risk assessment process in preventing or mitigating the health and socio-economic effects of man-made or

weather-related disasters and incidents.

### PUQ453 Disaster Response and Recovery

Equivalent s	PUN453, PUZ453
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

This unit addresses the key concepts and skills related to inclusive disaster response and recovery in local, national and international contexts. It examines and provides students practice in the real-world processes of responding to, and providing inclusive relief to communities due to human-made, technological, and weather-and climate-related disasters, and providing an enabling environment for affected individuals, communities and broader society, to recover from, and strengthen, inclusive and sustainable resilience to the physical, social, environmental and economic impacts of future emergency and disaster events. Upon completion of this unit you will have a greater understanding of how to implement a disaster inclusive response and develop funding proposals.

### PUQ454 Leadership in Disaster Management

Pre-requisites	PUQ451 or PUN451 or PUN450 or PUZ451
Equivalent s	
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b>

es - SES2, SES4

This unit addresses the key concepts and skills related to leadership and strategic issues related to inclusive, future-oriented disaster risk management and resilience building. It examines the underlying drivers of risk, including factors such as social, economic, technological, climate-related health issues, increasing global interdependencies and uneven economic development. The unit provides opportunities for environmental scanning, stakeholder mapping, crisis communication planning and decision-making in rapidly changing environments. Upon completion of this unit you will have a greater understanding of the critical role of the disaster and emergency risk assessment and how to prepare and deliver a media briefing using effective communication strategies and protocols.

### PUQ632 Leadership in Health Management

Equivalent s	PUN632
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES2, SES4

In the challenging environment of the contemporary health system, managers will be required to provide organisational leadership to ensure that services continue to evolve. They must evolve to meet the changing community

needs and the changing service delivery challenges. Such leadership requires the acquisition of knowledge and the development of competencies in leadership, which may enable the future manager to address current and future challenges. This unit will provide you with the knowledge and competencies to cope with the complex and changing environment of healthcare delivery. The aim of this unit is to apply knowledge of the key issues confronting health and critically inform strategic management.

### PUQ640 Health Systems

Equivalent s	PUN640
Credit Points	12
Campus	Online and QUT Online
Availabilities	<b>Online</b> - SES1, SES3

The aim of this unit is for you to develop an understanding of systems of health care both in Australia and internationally, of the factors that influence the design and functioning of those systems and of the concepts underpinning health system reform. The unit has been designed on the basis of insights drawn from research, policy and practice, and utilises concepts of effectiveness, efficiency and equity to evaluate systems and their components. We will use the Australian healthcare system as a case study but seek to draw from our examination of that system the concepts and analytical principles that may apply to all systems of health care.

### PUZ018 Cost-effectiveness Analysis for Healthcare Decision Making

Equivalent s	PUN018
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Healthcare systems globally are facing increasing demand yet increases to funding are slowing. In this situation, choices must be made about what services to fund, how they should be delivered and to whom they should be provided. Economic analyses can be applied to these questions; and the wider goal is to allocate scarce health care resources efficiently. The findings from economic analyses should be easy to interpret and should signal how funding might be optimally distributed. This unit is aimed at healthcare professionals and individuals in public, commercial and academic organizations interested in healthcare resource allocation and innovation. It will improve understanding of priority setting and expose participants to the methods of cost-effectiveness analysis for a healthcare innovation.

### PUZ019 Implementation Science - Theory and Application in Health

Equivalent s	PUN019
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Implementation Science is the study of factors that influence the full and effective use of evidence, and can accelerate the systematic uptake and integration of evidence-based interventions into routine practice and public health. Additionally, Improvement Science is concerned with systems-level processes to improve the quality, safety and value of health services. Both fields are concerned with the organisation and delivery of healthcare with consideration of the specific context of the system, as well as the knowledge, beliefs, and behaviours of the individuals involved. In this unit, you will learn the theory of implementation science, and develop knowledge and skills in implementation, innovation and improvement practices which can be used for implementing and embedding practice and system change in healthcare. On completing the unit, you will be able to lead the design, delivery and evaluation of a health service initiative.

### PUZ640 Health Systems

Equivalent s	PUN640, PUQ640
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

The aim of this unit is for you to explore systems of health care both in Australia and internationally and the factors that influence the design and functioning of those systems so that you may contribute to the future development of health



systems. The unit will use the Australian Health System as a case study but seek to draw from our examination of that system the concepts and analytical principles that may apply to all systems of health care. Issues covered include the structure, operations, funding and evaluation of health systems, as well as contemporary health system reform.

### PUZ688 Health Policy in a Global Context

Pre-requisites	PUZ640
Equivalent s	PUN688
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

### PVB101 Physics of the Very Large

Anti-requisites	EGB113, ENB130, PCB150
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

The fundamental concepts of physics seek to describe, predict and explain phenomena at all scales from the observable universe down to subatomic particles. They underpin all the sciences. This unit introduces you to those underlying physical processes that relate to the behaviour of the macroscopic world we observe in our daily lives: motion, forces, energy, gravity

–and not so familiar- special relativity, and see how they help us to also understand thermal interactions, fluid dynamics, global warming, optical instruments, space travel, the motions of the planets and to theorise about the nature, history and future of the universe itself. You will learn how to think about scientific concepts, and solve problems like a physicist. These theoretical concepts are grounded in experimental verification, and you will develop technical and reporting skills in laboratory experiments which investigate the relationships between measurable physical phenomena both individually and in teams.

### PVB102 Physics of the Very Small

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

The fundamental concepts of physics seek to describe, predict and explain phenomena at all scales from the observable universe down to subatomic particles. They underpin all the sciences. This unit introduces you to those underlying physical processes that relate to the behaviour of the microscopic world. By observing the behaviour of waves, electric and magnetic fields, we have come to a deeper understanding of the nature of sound and light, and

found experimental evidence for the structure of atoms and their nuclei, eventually leading to the Standard Model of particle physics. These are the principles at the heart of developing new materials and technology. You will learn how to think about scientific concepts and solve problems like a physicist, and critically apply what you have learnt to practical exercises in laboratories progressively developing both your experimental and scientific report writing skills that will provide the foundation for all future studies in science.

### PVB112 Physics of the Very Small

Equivalent s	PVB102
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SUM (Block)

The fundamental concepts of physics seek to describe, predict and explain phenomena at all scales from the observable universe down to subatomic particles. They underpin all the sciences. This unit introduces you to those underlying physical processes that relate to the behaviour of the microscopic world. By observing the behaviour of waves, electric and magnetic fields, we have come to a deeper understanding of the nature of sound and light, and found experimental evidence for the structure of atoms and their nuclei, eventually leading to the Standard Model of particle physics. These are the

principles at the heart of developing new materials and technology. You will learn how to think about scientific concepts and solve problems like a physicist, and critically apply what you have learnt to practical exercises in laboratories progressively developing both your experimental and scientific report writing skills that will provide the foundation for all future studies in science.

### PVB200 Computational and Mathematical Physics

Pre-requisites	MXB100 or MZB125
Anti-requisites	MXB105
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is a foundational physics unit designed to provide strong mathematical knowledge and skills required by a physicist and demonstrate the application of computational methods to solve problems in physics. It builds on prior maths study in Maths C or equivalent and teaches tactics in MATLAB programming, numerical methods and the implementation. The strong computational skills are important attributes of any physicist, whether working in research or industry, experimental or theoretical. This is an introductory unit and the knowledge and skills developed in this unit are relevant to physics, chemistry or some engineering majors. PVB302 Classical and

Quantum Physics needs the mathematical knowledge and computational skills from this unit to understand the complex quantum world.

### PVB202 Mathematical Methods in Physics

Pre-requisites	(PVB101 or EGB113) and (MXB100 or MZB125)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Strong mathematical skills are important attributes of any physicist, whether working in research or industry, experimental or theoretical. This unit is designed to provide the key mathematical methods to solve physical problems. It builds on MXB100 and first year.

### PVB203 Experimental Physics

Pre-requisites	PVB101 or EGB113
Equivalent s	PQB451
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit aims to develop your skills in experimental methods, from the design and execution of your work to data treatment, fitting, and statistical analysis of errors. It provides you with an opportunity to build, practice and provide evidence of your analysis and problem-solving skills for physics, as well as to build your scientific report writing skills and presentation

of results. It also provides you with a working knowledge of instrument design and the principles of circuit theory and electronics that underlie instrumentation. This unit is in the developmental stage of your course and builds on the work of previous experimental units. This unit also links to further self-managed experimental and project work in your final year.

### PVB204 Electromagnetism

Pre-requisites	(PVB202 or PVB200 or MXB106) and (MXB100 or MZB125)
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Electromagnetism is one of the fundamental forces in the universe and is present in almost all aspects of modern technology. In this unit you will develop theoretical knowledge and understanding of electromagnetism from electric charge to more advanced topics such as electrostatics, Maxwell's equations, electromagnetic waves and applications such as waveguides. It will extend your mathematical knowledge and techniques from earlier units to explore and analyse these advanced physics concepts.

### PVB210 Stellar Astrophysics

Equivalent s	PQB460
Credit Points	12
Campus	Gardens Point,

## Units

	EXCHANGE and External
Availability	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Astrophysics is the application of physics to the study of the heavens from above the atmosphere to the furthest reaches of the universe. This unit is one of the units in the astrophysics minor and covers the essential aspects of stellar astrophysics and naturally follows on from PVB101, The physics of the very large. The unit covers the birth, life, death of stars and is a mix of theory and laboratory exercises. The laboratory exercises cover astrophysical topics relevant to everyday physics.

### PVB220 Cosmology

Equivalent	PQB660
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availability	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Cosmology is the study of the origin and evolution of the universe, from the Big Bang to the present. Topics presented include special and general relativity, the physics and geometry of space-time, inflationary cosmology, cosmic microwave background, dark energy and dark matter, supermassive black holes, gravitational waves, and the status of Australian cosmology surveys.

### PVB301 Materials and Thermal Physics

Pre-requisites	PVB200 or MXB105 or PVB202
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availability	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The aim of this unit is to introduce you and to the physical principles that describe the behaviour of solids and fluids at both the macroscopic level and at the atomic level. This is an advanced unit that builds upon conceptual physical and mathematical principles of earlier units. Through lectures, practical classes and simulations the unit will provide you with strong foundation in thermodynamics and statistical mechanics. You will gain knowledge in the fast growing area of solid state physics and learn some of the techniques used to study new materials. The development of new materials is pivotal for the technology advancements of our society, with outcomes in every aspect of human life, spanning from reducing our environmental impact, to improving communication and computing, to achieving a better healthcare.

### PVB302 Classical and Quantum Physics

Pre-requisites	PVB200 or PVB202 or PVB204
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availability	<b>Gardens Point</b>

es	- SEM-1 <b>External</b> - XCH-1, XCH-2
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Build on your prior learning in analytical mathematical approaches to solve problems in classical mechanics. Extend your understanding of classical mechanics through comparison of the Newtonian, Lagrangian and Hamilton's methods and their connection to quantum theory. Historical development of quantum theory will be traced, introducing key counter-intuitive concepts such as wave-particle duality, its connection to the theory's probabilistic nature and the uncertainty principle. This understanding of quantum concepts will be applied in terms of modern wave mechanics via solutions to the Schrodinger equation to explain a range of observed electronic behaviours such as quantum tunneling which is the operating mechanism of many semiconductor devices prevalent in technology today. The quantum approaches developed will also be applied to determine the appropriate description and arrangement of electrons bound to atoms and to explain the features of their emission and absorption spectra.

### PVB303 Nuclear and Particle Physics

Pre-requisites	PVB302
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availability	<b>Gardens Point</b> - SEM-2 <b>External</b>

- XCH-1, XCH-2

This unit explores the microscopic universe from the nucleus down to the fundamental particles and forces from which matter is built. It will examine the development and the modern state of models of the nucleus, drawing on Quantum Mechanics (PVB302) to explain the stability and the properties of nuclei. Some of the current theories of particle physics and nuclear forces will be introduced. The second part of the unit will explore applications of nuclear physics, e.g. nuclear reactions, nuclear power and nuclear medicine. Lectures will be complemented by experimental laboratory work, enabling you to advance your experimental, communication and scientific writing skills.

### PVB304 Physics Research

Pre-requisites	PVB301
Equivalent s	PQB651
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is the capstone unit for the Physics course, which gives you the opportunity to engage in real-world physics research. Students will undertake a project in which they explore computational and/or experimental approaches to generating new understanding in active research areas, and

summarize their findings through scholarly writing and presentations. This unit provides students with the chance to develop their skills around gathering data, interpreting data, assessing uncertainties and presenting results in a clear and compelling way, helping them to develop skills that are required in both industry and academic contexts. This unit builds on all the previous learning in the Physics course, and enables students to draw on their developed expertise and to apply it to a well-defined research problem.

### PVB321 Introduction to Experimental Nanotechnology

Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

This is an introductory unit addressing the real-world practice in the interdisciplinary field of nanotechnology. It introduces the core concepts, fundamental principles, methodologies and essential tools to study matter at the nanoscale. This unit has a strong focus on hands-on experience in nanotechnology with its practical component centred around synthesis and characterisation of nanomaterials using state-of-the-art techniques. This unit develops your critical thinking, problem solving, as well as ability to use laboratory equipment to synthesise and characterise nanomaterials;

these are skills and attributes that professional scientists and engineers will require in solving real-world problems in their practices. This unit builds on the knowledge you have gained from your science and engineering units in prior years, and prepares you for PVB322 (Advanced Nanotechnology) that will deepen your understanding of theoretical principles governing materials at the nanoscale.

### PYB007 Communication for Health Professionals

Anti-requisites	PYB074, HHB113, PYB111
Credit Points	12
Campus	Gardens Point, Kelvin Grove, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

PYB007 is a multidisciplinary unit that introduces you to the clinical communication skills that are the foundation of many allied health work roles. This introductory unit gives you the opportunity to build your knowledge of the factors that contribute towards effective communication and will help you develop core communication skills. These foundation skills will aid with client communication, multidisciplinary team communication, clinical interviews, mediation, and leadership, many of which you will be required to demonstrate later in your course.



## PYB100 Foundation Psychology

Anti-requisites	PYB012
Equivalent s	PYB101
Credit Points	12
Campus	Kelvin Grove, EXCHANGE, Gardens Point and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Psychology is a broad-ranging and multifaceted discipline which encompasses the scientific study of human behaviour, and the systematic application of knowledge gained from psychological research to a broad range of applied issues. The goal of this foundational unit is to introduce you to major subfields and perspectives in psychology, to develop your understanding of the research methods used in psychological research and to develop your critical thinking skills. This unit provides a strong basis for future learning in the discipline. Topics covered in PYB100 will include child and adult development, social psychology, and an overview of the diagnosis and treatment of mental health problems.

### PYB102 The Mind and the Brain

Credit Points	12
Campus	EXCHANGE, Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces students to

the basic biological and psychological processes underlying perception, memory, learning, problem solving, consciousness, and language. In addition, a research participation experience is provided to the students. Psychology is a broad-ranging discipline encompassing the scientific study of human behaviour and its physiological, cognitive, and social bases, and the systematic application of this knowledge to applied problems. The goal of the first-year units in psychology is to introduce the major subfields and perspectives in psychology, and to develop an understanding of the research methods used in psychological research. These units lay the foundation for more specialised study in later years. The Mind and the Brain (PYB102) focuses on biological and cognitive aspects of psychology, while the areas of developmental psychology, social psychology, individual differences, and psychopathology are introduced in Foundation Psychology (PYB100).

### PYB110 Psychological Research Methods

Equivalent s	BSB123
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Psychology is the scientific study of behaviour and

cognition. This unit is designed to introduce students to the scientific method of research in psychology, research design, and data analysis. The unit includes the following: an overview of the purposes and strategies of research; elementary research design; operationalising variables; descriptive statistics; distributions; measures of central tendency and spread; standard scores and percentiles; understanding relationships between variables through correlation; an introduction to hypothesis-testing procedures using t-tests.

### PYB159 Alcohol and Other Drug Studies

Anti-requisites	PYB158
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Drug and alcohol use and abuse is of growing concern in the community. This unit introduces you to theories of prevention and treatment of alcohol and other drug problems. This unit provides a useful foundation for PYB360, Interventions for Addictive Behaviours. You will participate in discussions and assessment pieces designed in conjunction with industry professionals, to embed learning with current real world issues.

### PYB202 Social and Organisational Psychology

Pre-requisites	PYB100 or PYB102 or PYB101
Equivalent s	PYB205
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Humans are social beings whose thoughts, feelings and actions are influenced by the real, imagined, or implied presence of others. This unit will allow you to develop greater insight into people's behaviour through the scientific investigation of the relationship between individuals and the social settings in which they live and work. We will study the effects of these social settings on people, and the psychological processes people use to influence others in social settings, in both organisations and in wider society.

### PYB203 Developmental Psychology

Pre-requisites	PYB012 or PYB101 or PYB102 or PYB100
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides an introduction to life span developmental psychology. The unit covers the major theories of life span development and includes

biological, social and cognitive aspects of development from birth through to old age. It emphasises the interdependency of all aspects of development and the importance of the physical, family, socio-cultural and historical contexts within which development occurs. The unit aims to develop the student's understanding of general patterns of human development and of the ways in which the development of particular individuals and groups may vary from these general patterns.

### PYB204 Perception and Cognition

Pre-requisites	(PYB100 or PYB101) and PYB102 and PYB110
Equivalent s	PYB303
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Cognitive psychology is a major empirical and theoretical area of psychology which explores the processes and structures involved at each stage of information processing within the brain. The structures and processes involved in perception provide the brain with basic information about both the external world and many of the current states of the individual. Higher level cognitive processes and structures provide the foundation upon which more complex aspects of behaviour are based. This unit is to

introduce students to basic concepts and issues in perception and cognitive psychology, and to develop an appreciation of the major contemporary theories of how we process and perceive information. The unit is placed in second semester of second year so that students following the normal course structure have an adequate background in research design and data analysis.

### PYB208 Counselling Theory and Practice 1

Pre-requisites	PYB007 or PYB074 or HHB113 or SWB104 or PYB111 or PUB209
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Psychological and human service delivery involves providing counselling to clients regarding a variety of life problems and mental health issues. This unit provides an introduction to the major approaches to psychotherapeutic intervention. This unit develops the student's knowledge of counselling process and skills and provides practice in changing the ways in which people express, conceptualise and respond to their concerns. It emphasises skills in solution oriented approaches but also covers a range of models and skills for workers in crisis situations. It provides a basis for further studies in counselling in settings requiring

psychotherapeutic intervention, and other modes of delivery such as couple, family or group work. Students are introduced to the philosophical assumptions and principles that underlie each counselling approach and the process of change. Emphasis will also be placed on effective microskills that assist in developing a positive working alliance with clients.

### PYB210 Research Design and Data Analysis

Pre-requisites	PYB110
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The ability to understand, critique and conduct research is a fundamental skill in the behavioural sciences, as well as in many professional settings. PYB210 is part of a series of research design and data analysis units taught across the psychology degree program. It builds on the material introduced in PYB110 and prepares you for the third year unit PYB350. This unit will develop your knowledge of research design, data collection methods and analysis. The unit will build your ability to work with and interpret data from a number of sources, which are invaluable skills in a wide variety of careers.

### PYB215 Forensic Psychology and the Law

Pre-requisites	PYB012, PYB101, PYB102 or PYB100 and Completion of 72cps
Anti-requisites	JSB174
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Forensic Psychology will introduce you to the overlap between psychology and the law; assist you to understand the influence and impact of this branch of psychology within the criminal justice system; and to provide you with an overview of the practice of forensic psychology. The study of psychology and law draws from a multi-disciplinary base for the application of specialised knowledge. As a student of this discipline area, you will acquire an appreciation of (and a critical perspective on) psychology and the law across the three criminal justice domains of the police, the courts, and corrections.

### PYB260 Psychopharmacology of Addictive Behaviour

Pre-requisites	PYB102
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit aims to develop and extend your understanding of issues relating to behavioural

pharmacology with a particular focus on substances commonly associated with addiction, including substances used in the treatment of addictive behaviours and mental illness. This unit focuses predominantly on those substances that are commonly associated with addiction, including substances used in the treatment of addictive behaviours and mental illness. The context for learning about specific substances is built on an understanding of the principles of behavioural pharmacology (including a review of neurobiology and the pharmacokinetic effects of common substances) and related research methods. While this is a stand-alone unit, it will complement the material covered in other units on addiction (e.g. PYB159, PYB360) and could be combined with other units to constitute a minor sequence.

### PYB300 Behavioural Science and Contemporary Challenges

Pre-requisites	PYB203 and PYB204
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This advanced unit will provide you with the opportunity to integrate and apply knowledge and skills from across behavioural science and psychology to solve wicked community problems posed by professional and community partners and present your solutions in the format of a community grant. This unit

also provides you with the opportunity to consider how your skills and knowledge can be utilised and communicated in interprofessional settings. A key consideration in developing your innovation will be the cultural, ethical, and professional frameworks relevant to your challenge. You will be supported to complete several artefacts related to this task including a professional CV.

**PYB301 Psychology in the Community: Placement**

Pre-requisites	PYB202 and PYB203 and PYB204 and PYB210
Anti-requisites	PYB207
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM <b>External</b> - XCH-1, XCH-2

This unit enables you to develop your work-literacy and work-readiness, by providing opportunities to apply psychological knowledge in workplace contexts, supported by activities that promote critical reflection on your learning and workplace practices. In cooperation with the Unit Coordinator, you will arrange a 50 hour work placement. You may nominate preferred placements from a pre-organised list of organisations maintained by the School of Psychology & Counselling, or you may negotiate your own placement at another organisation (unit coordinator approval). You will be supported by on-campus

workshops and activities designed to promote critical reflection on your workplace experience. All students considering this unit are strongly encouraged to apply for a Blue Card (suitability for working with children and young people clearance) before the commencement of semester as this clearance is required by most of our host organisations.

**PYB302 Advanced Social and Organisational Psychology**

Pre-requisites	PYB205 or PYB202
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Psychology plays a critical role in enhancing people's lives, and in the functioning of groups, organisations, and communities. This unit aims to build your knowledge and skills in understanding social and organisational factors that promote more effective functioning for people at work and in society. The content spans new and emerging theories, with applications to contemporary real-world issues.

**PYB304 Physiological Psychology**

Pre-requisites	PYB102 or PYB101 or PYB100
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b>

es	- SEM-1 <b>External</b> - XCH-1, XCH-2
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This advanced unit focuses on the scientific study of the biology of behaviour and discusses these in relation to animal, human and clinical research.

**PYB306 Psychopathology**

Pre-requisites	minimum 96cp of previous psychology units
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit covers the principles of diagnosis and treatment for psychopathology. Disorder aetiology, treatment approaches, and the standard of evidence that underpins our knowledge of psychopathology are discussed. Students will learn about the formal systems that are used to define a clinical disorder, and how to apply classification systems for the identification of psychopathology. An integrative approach to the understanding of psychopathology is emphasised, highlighting the reciprocal influence of biological, psychological, cultural and social factors on pathological functioning. This unit will provide students with a strong understanding of the evidence that underpins contemporary approaches for the identification, classification, and treatment of major classes of mental illness.



**PYB307 Health Psychology**

Pre-requisites	PYB100, PYB101 or PYB102
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit examines the psychological dimension of physical illness, health, and health care. There is a strong focus on health psychology in an Australian context with a focus on cross-cultural and Indigenous health-related issues. The unit examines definitions of health and health psychology; the role of health psychology; the determinants of health behaviours (e.g., cognitive, attitudinal, motivational, personality, social, developmental); community health; medical settings and patient behaviour; patient and practitioner communication; stress, illness, and coping; and chronic illness.

**PYB309 Individual Differences and Assessment**

Pre-requisites	minimum 96cp of previous psychology units
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit will introduce you to key theories underpinning personality, and explore the extent to which key theories account for variation in

personality and human behaviour. It will also cover key principles of psychological assessment, assessment methods the relationship of assessment methods to key theories, and the ethical use of assessment tools. The unit will apply theoretical frameworks to contemporary challenges, such as depression and anxiety, work engagement, relationship distress, school achievement, and effective parenting. This unit will be of practical use to anyone considering a future in psychology and related fields which rely on individual differences and assessment (e.g., clinical or counselling settings, intelligence testing, educational, organisational, developmental, forensic and research settings).

**PYB321 Introduction to the Psychology of Trauma**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SUM

More than half the population experiences trauma across the lifetime. Trauma is acknowledged as playing a key role in the development of mental and physical health issues. There is an increased understanding and interest in society around the prevalence and impact of trauma including domestic violence, child abuse, sudden bereavement and war. Despite this, most professionals across disciplines including psychology, social work, education and law, receive no systematic training in trauma.

This introductory unit provides you with foundational knowledge about the psychology of trauma and vicarious trauma as it applies to people who experience trauma firsthand or those in professions likely to assist people who have experienced trauma. This elective complements learning across disciplines including social work, psychology, law, education and nursing. The unit is linked to core psychology units PYB100 and PYB102 and is linked to PYB304 regarding neurobiological aspects of trauma.

**PYB350 Advanced Statistical Analysis**

Pre-requisites	PYB210
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit forms extends on the methods covered in PYB210 to more complex designs and data analysis. Research design and data analysis skills are core skills in the discipline of psychology. They are not only essential tools for researchers in psychology: They are also integral to the scientist-practitioner model of professional psychological practice. In addition, a sound understanding of research design and statistical techniques will enable you to become critical consumers of psychological research. This

unit will provide you with a thorough grounding in analysis of variance techniques, as well as providing an introduction to multiple regression, and extending your skills in qualitative analysis methods. These data analysis tools are used in a broad range of research designs in the social sciences. The unit is both theoretical and practical (analysing data using SPSS), giving students a firm understanding of the principles underlying each analysis and their interpretation.

### PYB356 Counselling Theory and Practice 2

Pre-requisites	PYB208
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Counselling students need to be cognizant of theory, skills, and process. At the core of the meaning of process is an assumption that counselling is about change: change that is facilitated by the therapeutic relationship between client and counsellor. This unit builds on the theoretical and skills focus of Counselling Theory & Practice 1. It seeks to develop students' capacity to monitor and reflect on what they, in the role of counsellors, might contribute to process in the therapeutic context.

### PYB359 Introduction to Family Therapy

Pre-requisites	PYB208
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Family therapy, based on a systemic or relationship understanding of human problems, has been one of the most significant influences in the fields of counselling and psychology in recent times. With the increasing emphasis on the family as a focus for social policy, support services, research and intervention, it is important for counsellors and psychologists to have some familiarity with the basic concepts and skills of this broad approach. This unit focuses on providing basic skills and concepts from one particular approach which will be called 'Collaborative Therapy', combining aspects of solution-focused therapy, possibility therapy, narrative therapy and reflecting team practice. You will be given opportunities to contrast this approach with other major models, and to examine its uses with particular kinds of family situations. You will also be exposed to practical skills through structured exercises.

### PYB360 Interventions for Addictive Behaviours

Pre-requisites	PYB159 or PYB158 or PYB260 or NSB223 or NSB023 or NSB204
Credit Points	12

Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP5

Addictive behaviours (e.g., arising from alcohol use, tobacco use, gambling) are recognised as major problems nationally and internationally. This unit focuses predominantly on psychological aspects of addictive behaviours. To establish a framework for learning, classes initially review issues relating to psychological models of addiction and methods of studying addictive behaviours. Symptomatology, etiology and assessment of addictive behaviours, as well as the theoretical underpinnings of a range of therapeutic interventions are also discussed. This unit aims to enhance students' understanding of complex issues relating to prevention and treatment.

### PYB374 Human Factors and Safety

Pre-requisites	PYB100
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit is an elective unit within the Bachelor of Behavioural Science (Psychology). PYB374 explores the main psychology theories and research methods used in traffic psychology and how these theories and research methods are applied to understand risky driving behaviours. The main research methods explored in this unit

include the use of: surveys/questionnaires and observations, physiological recordings (e.g., EEG, ECG, EOG, EMG, eye tracking, actigraphy), driving simulators, and in-vehicle assessments/instrumented vehicles (e.g., actigraphy, GPS, OBD2). The unit has a strong focus on the practical learning and critical analysis of research methodology used in traffic psychology as well as the interplay of psychological theories and research methodology with the assessment of road user behaviours.

### PYH400 Thesis

Pre-requisites	PYH401. PHY401 can be studied in the same teaching period as PYH400-2
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

The thesis component of the honours program comprises four 12 credit point units which culminate with the submission of a 48 credit point research thesis. PYH400-2 is the second of this sequence of units. The thesis units provide an opportunity for you to extend, synthesise and apply the knowledge gained in your undergraduate degree and coursework units within the honours program. You will undertake a research project that makes an original contribution to knowledge in the broad discipline of psychology. The research project is conducted under the

guidance of a supervisor and will provide an opportunity for you to engage in and learn about all parts of the research process. The research thesis units provide skill development in the critical evaluation, interpretation and application of research, key capabilities in the discipline of psychology. The research undertaken in the four thesis units is assessed through the submission of a 10-12,000 word research thesis.

### PYH400 Thesis

Pre-requisites	PYH401
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

The thesis component of the honours program comprises four 12 credit point units which culminate with the submission of a 48 credit point research thesis. PYH400-3 is the third of this sequence of units. The thesis units provide an opportunity for you to extend, synthesise and apply the knowledge gained in your undergraduate degree and coursework units within the honours program. You will undertake a research project that makes an original contribution to knowledge in the broad discipline of psychology. The research project is conducted under the guidance of a supervisor and will provide an opportunity for you to engage in and learn about all parts of the research process. The research thesis units provide skill development in the critical evaluation,

interpretation and application of research, key capabilities in the discipline of psychology. The research undertaken in the four thesis units is assessed through the submission of a 10-12000 word research thesis.

### PYH400 Thesis

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

The thesis component of the honours program comprises four 12 credit point units which culminate with the submission of a 48 credit point research thesis. PYH400-1 is the first of this sequence of units. The thesis units provide an opportunity for you to extend, synthesise and apply the knowledge gained in your undergraduate degree and coursework units within the honours program. You will undertake a research project that makes an original contribution to knowledge in the broad discipline of psychology. The research project is conducted under the guidance of a supervisor and will provide an opportunity for you to engage in and learn about all parts of the research process. The research thesis units provide skill development in the critical evaluation, interpretation and application of research, key capabilities in the discipline of psychology. The research undertaken in the four thesis units is assessed through the submission of a 10-12000 word research thesis.



**PYH400 Thesis**

Pre-requisites	PYH401
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

The thesis component of the honours program comprises four 12 credit point units which culminate with the submission of a 48 credit point research thesis. PYH400-4 is the last of this sequence of units. The thesis units provide an opportunity for you to extend, synthesise and apply the knowledge gained in your undergraduate degree and coursework units within the honours program. You will undertake a research project that makes an original contribution to knowledge in the broad discipline of psychology. The research project is conducted under the guidance of a supervisor and will provide an opportunity for you to engage in and learn about all parts of the research process. The research thesis units provide skill development in the critical evaluation, interpretation and application of research, key capabilities in the discipline of psychology. The research undertaken in the four thesis units is assessed through the submission of a 10-12000 word research thesis.

**PYH401 Advanced Research Methods**

Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b>

- SEM-1

Honours students in psychology are required to complete a substantial research project in an area of psychological inquiry. This unit is a core unit in the honours program and is the fourth unit in a sequence of undergraduate research method and statistics units in the undergraduate psychology program, that prepare you to successfully conduct quantitative and qualitative research. In particular, this unit introduces the field of multivariate statistics and demonstrates how these techniques allow the testing of complex multifactor models of human behaviour.

**PYH402 Counselling Psychology**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit provides you with the opportunity to build on your practical counselling skills and understanding of the field of counselling psychology, from the foundational counselling units in the undergraduate program. The thematic focus of this unit is on the critical analysis, comparison, and evaluation of selected counselling intervention orientations. The comparison of approaches involves a consideration of major contemporary issues relating to the integration of theory, research, social and cultural diversity and ethical practice.

**PYH403 Cognitive Neuropsychology**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 12TP2

In this unit you will learn about major neuroanatomical structures and their interconnections, with an emphasis on how this information is applied in the clinical setting. You will also study a number of neuropsychological disorders in terms of their diagnosis, assessment and treatment, and the psychosocial effects such deficits have on the patients and their families. The deficits themselves will also be considered from a cognitive perspective, with a view not only to understand the nature of the dysfunction but also to further specify our knowledge regarding the functional architecture of the cognitive system.

**PYH404 Issues in Social Developmental Psychology**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 12TP2

As one of the two advanced electives in the Honours program, this unit is designed to extend students' understanding of developmental issues across the lifespan with special emphasis on the socio-cultural context in which development occurs including Indigenous



and cross cultural perspectives. Students gain knowledge of key theories and perspectives that seek to explain how human development impacts and is impacted upon by their socio-cultural context and learn to appreciate the many interdependent factors that contribute to human development across the lifespan. Students are encouraged to observe and critically analyse social and cultural processes as they relate to all stages of development including implications for assessment and interventions strategies in clinical practice.

#### **PYH407 Research and Professional Development Seminar**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This capstone unit will enhance your understanding of professional issues in the discipline of psychology and its role in society and your future career path. You will work in a team to formulate evidence based responses to current issues from an Industry partner. As scientist practitioners these will be based on contemporary research evidence and consideration of ethical issues. You will develop your knowledge of relevant legal frameworks and issues of public safety, codes of ethical practice, and cultural safety in practice and research. You will

engage in activities to encourage your critical reflection of your personal and professional values and how these impact on your regard of others perspectives including indigenous perspectives. This unit prepares you for future work or study through consideration of career paths and the graduate capabilities you have achieved. You will reflect on your developing professional identity, values and professional development goals.

#### **PYN000 Counselling Studies 1**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP2

This first unit in the Counselling Studies strand is intended to provide you with an initial overview of the discipline of counselling, before focusing on the theory and practice of the contemporary 'Constructive' or 'Time-Effective' Therapies which are based largely in social constructionist principles and promote a view of counselling as a collaborative conversational process that attempts to both validate the client's experience, while pursuing possibilities for desired change. These therapies suggest a time-effective perspective, emphasising the possibility of working briefly and effectively with clients. Selected ideas and practices from specific approaches including Solution Focused, Narrative Therapy and Crisis counselling will be

integrated.

#### **PYN001 Professional Studies 1**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

In order to respond appropriately and therapeutically to the needs of their clients, counsellors must have a clear understanding of the social and interactive processes that occur in counselling. Verbal, nonverbal, social, emotional, gender, psychological and cultural dimensions are all present in the counselling process. Consideration of these dimensions enables counsellors to develop effective, functional and client-focussed relationships and to control biases, needs and possible exploitative practices.

#### **PYN002 Counselling Studies 2**

Pre-requisites	PYN000
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit will serve as a review of the philosophical and theoretical underpinnings-as well as the distinctive skills and techniques-of the major psychotherapeutic and counselling traditions. The unit situates and contextualises the Narrative, Solution-Focussed and Collaborative Conversational approaches to counselling from PYN000 within the broader field of

Psychotherapy and Counselling. The essential element of this unit is an exploration of how a therapist might appropriately respond to client presentations by drawing upon a wide range of established therapeutic traditions, approaches and interventions. Particular focus will be given to developing the capacity to choose effective and ethical therapeutic approaches and skills that promote positive outcomes for counselling clients.

**PYN003 Group Studies**

Pre-requisites	PYN001
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM5D

This unit provides the development of skills and approaches in organising and facilitating group work, in the context of personal support and therapeutic groups. It addresses the following: establishing group norms; facilitating stages of group development; responding to member behaviour and developing facilitator interventions; planning, implementing and evaluating ethical group work practices; dealing with defensiveness and hidden agendas; applying brief solutions-focused and reflecting team processes to groups; examining the motion of the therapeutic milieu. The group context is a powerful medium for experiencing mutual support in counselling, supervision and team work.

However the effectiveness of a group experience is dependent on the skills and approaches of the facilitator in providing a safe, accepting and collaborative environment where differences are valued, learnings are shared, responsibilities are accepted and open problem solving and experimentation encouraged.

**PYN004 Counselling Studies 3**

Pre-requisites	PYN000. PYN000 may be enrolled in the same teaching period as PYN004
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Contemporary approaches to counselling have increasingly emphasised the importance of a relational understanding of human problems and change processes. The general area of family therapy has been most notable in contributing important concepts and skills which can be applied to most forms of relationship counselling. Regardless of whether a counsellor's primary work is with individuals, couples, families, or larger systems, it is important to have some understanding of these concepts and skills and to develop self-awareness about one's own family dynamics. This unit explores the history and development of systemic family therapy and couple work. It examines the potential of a constructive approach and orientation to working with relationships and relationship issues in therapy. In small groups you will choose an

issue or area of relationship counselling and present a workshop which demonstrates the use (or adaption) of a constructive therapy approach.

**PYN006 Professional Studies 2**

Pre-requisites	PYN001
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP09A

This unit provides an experiential introduction to the process of professional supervision and how to be an effective supervisee. Supervision processes, roles, responsibilities, content, approaches and theories are reviewed. Professional issues commonly addressed in supervision such as power, gender, culture, consent, duty of care, etc are reviewed. Supervision is presented progressively throughout the course as an essential component to all counselling practice. It is the medium by which practitioners, reflect on, monitor, evaluate, refine and extend their work both personally and organisationally to ensure quality and ethical responses to clients. This unit prepares students for supervising other practitioners in a subsequent unit called Professional Studies 3. This unit aims help you to gain an understanding of the impact of supervision in general and an appreciation of the roles, responsibilities, skills and demands of two particular approaches.

**PYN007 Professional Studies 3**

Pre-requisites	PYN006
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP09A

This unit provides an experiential introduction to the process of providing supervision to counsellors. Supervision processes, roles, responsibilities, content, approaches and theories are reviewed. In PYN006 Professional Studies 2, you learned how to participate in professional supervision as a supervisee. Now in PYN007, it is time for you to take on the role of the supervisor and learn how to conduct a supervision session, an essential component to all counselling practice. This unit helps you to gain an in-depth and practical understanding of how to provide professional supervision.

**PYN008 Project**

Pre-requisites	PYN014 and PYN008-1
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit will continue to allow you to apply your previous study and skill development in course counselling and supervision subjects. Together, PYN008-1, PYN008-2 and PYN008-3 comprise a 36 credit point unit that can be studied over two semesters. You will undertake an individual clinical

project of theoretical and/or practice-based research/enquiry in a selected area of counselling. You will be required to work in the Counselling and Family Therapy Clinic on a weekly basis in order to accumulate client contact hours and achieve project requirements. The reflection of your supervised clinical practice (reflecting team based family therapy practice with live supervision), along with consultation with your academic supervisor, will assist you to use independent scholarship and reflection of learning to inform your counselling practice. Assessment items are submitted and a grade awarded for each sub-unit.

**PYN008 Project**

Pre-requisites	PYN006
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This is the first of a suite of three units which represent a capstone learning experience in your course and provide you with an opportunity to apply theoretical and skill-based course learning in a clinical practice setting. This will involve the provision of counselling in the QUT Psychology and Counselling Clinic and provide a context for the completion of a clinical project which builds upon your learning in PYN014 (Research for Counselling Practice). This unit will allow you to apply your

previous study and skill development in previous course counselling and supervision subjects. The reflection of supervised clinical practice (reflecting team based family therapy practice with live supervision) will assist you to describe, critically examine and deconstruct your evolving framework of counselling practice. Your exposure to a wide range of client presentations and issues will inform your choice of a clinical project topic area.

**PYN008 Project**

Pre-requisites	PYN014 and PYN008-1
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Counsellors need to inform and develop their clinical practice by reading the counselling literature and often share their research findings and clinical innovations in counselling journal articles. This unit allows you to further develop the skills introduced in PYN014 by documenting your clinical project in the form of a journal article which brings new knowledge to the field of counselling. This is the final unit in a suite of three which together represent a capstone learning experience in your course and provide you with an opportunity to apply theoretical and skill-based course learning in a clinical practice setting. They involve the provision of counselling in the QUT Psychology and Counselling Clinic and provide a clinical

## Units

context for the completion of a clinical project which builds upon your learning in PYN014.

### PYN013 Advanced Counselling Studies

Pre-requisites	PYN002
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 6TP1

The development and practice of advanced counselling skills prepares students for working with clients in the QUT clinic in the third year of the Master of Counselling. Students will be working in reflecting teams and will be using the skills they are developing in the current unit.

### PYN014 Research for Counselling Practice

Pre-requisites	PYN000
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Understanding counselling research methods is an integral skill for a professional counsellor. Building on broad aspects of counselling research that have been introduced in PYN000, this unit will provide you with the skills to critically evaluate research articles and to understand key approaches to the design of counselling research and the evaluation of outcomes.

### PYN025 Clinical Psychological Interventions 1

Co-requisites	PYN028
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Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

The unit will focus on cognitive-behavioural therapy and its application with adults and children. The evidence-base of this approach and its potential within an integrative framework will be examined. As this is an advanced unit, it is assumed that you are competent in using the following micro counselling skills: observation, attending, questioning, reflection of content and feeling, information giving, reframing, interpretation and confrontation. It is also assumed that you will have had exposure to a basic understanding of counselling and other relevant areas of psychology. If you do not possess competency in any of the above a special supplementary program may be developed for you. Please consult with the unit coordinator to arrange this.

### PYN027 Clinical Psychological Assessment

Co-requisites	PYN035
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Clinical and psychological assessment is a complex activity that is important for Clinical Psychologists. This unit is designed to build on your undergraduate training in psychological assessment by reinforcing your theoretical understanding of psychological

assessment and providing opportunities for you to develop competency in the application of relevant techniques including test administration, scoring and interpretation. Your ability to integrate results into a useful, focused, problem oriented report and an effective treatment strategy will also be developed. Further, the unit also takes into account the factors that impact the assessment of individuals from diverse backgrounds. Finally, you will also learn about the ethical and legal issues involved in psychological assessment.

### PYN028 Clinical Psychopathology

Co-requisites	PYN025
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit builds upon your undergraduate studies in abnormal psychology and is designed to provide you with a foundation and critical awareness of the phenomenology and development of psychological disorders. The unit covers the phenomenology of psychopathology, starting with signs and symptoms, syndromes and personality functioning and then examines clinical reasoning, decision making and diagnostic systems utilised in adult mental health. The major domains of psychopathology are then examined from a descriptive, historical and etiological



perspective. Personality dimensions are examined as these influence the presentation of disorders.

### PYN030 Professional Practice in Clinical Psychology

Co-requisites	PYN044
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This is a foundational unit that presents an overview of ethical, legal, and professional issues encountered in psychology practice. A major goal of the unit is to raise your awareness of the many ethical, legal and supervision issues you may encounter in practice, and to encourage you to become reflective practitioners throughout your professional lives. The practice of psychology requires an understanding of special roles, power relationships, boundaries and ethical principles in order to safeguard client rights. It requires skills in working with individuals and groups from a diverse range of backgrounds, including those from other cultural groups. An understanding of legal issues and relevant legislation and standards is also essential in professional practice. The knowledge and skills developed in this unit relate to direct client contact in practicum units and builds a foundation for future professional practice.

### PYN034 Childhood Psychopathology and Treatment

Pre-requisites	(PYN025 and PYN027 and PYN028) or ((EUN601 or LCN625) and (EUN603 or LCN627) and PYN601)
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Children are developing and changing rapidly hence a thorough knowledge of child development must underpin all appraisals of children's behaviour. Children must also be seen within the context of their family, the school and the wider community in which they operate. Both past experiences and current circumstances influence children's behaviour and development. Effective assessment and management of children's difficulties demands an awareness of, and sensitivity to family dynamics and the effects of a wide range of cultural and environmental factors on family functioning and child development and behaviour.

### PYN035 Supervised Practicum Stage 1

Co-requisites	PYN027
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This core unit of the Master of Clinical Psychology Course provides you with the opportunity to develop foundational clinical skills in assessment, diagnosis, formulation, treatment planning

and process issues used in the practice of clinical psychology. The unit involves Work Integrated learning that includes supervised client contact in the QUT Psychology Clinic and participation in clinical seminars and authentic case presentations. The unit is designed to partially meet the relevant supervised practicum requirements for membership of the Australian Psychological Society (APS) and full registration with the PBA.

### PYN036 Supervised Practicum Stage 2

Pre-requisites	PYN025 and PYN027 and PYN028 and PYN035
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This core unit of the Master of Clinical Psychology Course provides you with the opportunity to develop foundational clinical skills in assessment, formulation, treatment planning and understanding of process issues used in the practice of clinical psychology. The unit builds on the learnings from PYN035. You will undertake work integrated learning including supervised psychological practice (250 hours of psychological practice including at least 100 hours of direct client contact) in the QUT Psychology Cli. This experience will help you to develop an intermediate level of professional knowledge and skills in the practice of clinical psychology, awareness of ethical guidelines, paying due

## Units

regard to public safety, and a good standard of professional conduct. The unit is designed to partially meet the relevant supervised practicum requirements of APAC.

### PYN037 Supervised Practicum Stage 3

Pre-requisites	PYN030 and PYN036
Co-requisites	PYN045
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This core unit of the Master of Psychology (Clinical) program provides you with the opportunity to further develop clinical assessment, diagnostic, intervention and professional skills learnt in the coursework and internships. This external placement allows you to apply your skills in a 'real world' professional environment under the supervision of highly qualified psychologists. The unit is designed to meet the relevant supervised practicum requirements of the Australian Health Practitioner Regulation Agency Psychology Board of Australia (AHPRA PsyBA), Australian Psychology Accreditation Council (APAC) and the Australian Psychological Society's College of Clinical Psychologists (APS CCLIN).

### PYN038 Supervised Practicum Stage 4

Pre-requisites	PYN037
Credit Points	12

Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This core unit of the Master of Clinical Psychology course is intended to provide you with an opportunity to further develop clinical assessment, diagnostic, intervention and professional skills. This unit builds on your learning from the PY18 coursework and internship units and PYN037. The PYN038 placement will engage you in advanced level work integrated learning as a provisional psychologist within a professional agency that provides psychological services. The unit is designed to meet the relevant supervised practicum requirements of the Australian Health Practitioner Regulation Agency Psychology Board of Australia (AHPRA PsyBA), Australian Psychology Accreditation Council (APAC) and the Australian Psychological Society's College of Clinical Psychologists (APS CCLIN).

### PYN039 Health Psychology and Rehabilitation

Pre-requisites	PYN025 and PYN028 and PYN035
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Psychology is not restricted to assessment and treatment of psychopathology. Psychologists actively contribute to the health and well-being of people across a range of settings and contexts, including health promotion, illness prevention, early

intervention, clinical treatment of health problems and rehabilitation of health problems. In so doing, psychologists often work collaboratively with a range of medical nursing and allied health professionals. This unit will provide you with training in psychology with a conceptual framework and the core knowledge and skills required for the practice of psychology in a health setting. The emphasis of the unit will be upon clinical conceptual understanding of the biopsychosocial model of health psychology and rehabilitation and the development of clinical skills and knowledge.

### PYN041 Supervised Practicum Stage 5

Pre-requisites	PYN038
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This core unit of the Doctor of Psychology (Clinical) program builds upon PYN038 and provides you with the opportunity to develop advanced psychodiagnostic assessment and clinical skills within a specialised area of clinical practice. This unit consists of supervised psychological practice at an external agency where relevant psychological practice is conducted. The unit is designed to meet the supervised practicum requirements of the Australian Psychological Society (APS)

College of Clinical Psychology.

### PYN042 Supervised Practicum Stage 6

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This core unit of the Doctor of Psychology (Clinical) program builds upon PYN041 and provides you with the opportunity to develop advanced psychodiagnostic assessment and clinical and supervision skills within a specialised area of clinical practice. This unit consists of supervised psychological practice at an external agency where relevant psychological practice is conducted and supervision practice within the QUT Psychology Clinic. The unit is designed to meet the supervised practicum requirements of the Australian Psychological Society (APS) College of Clinical Psychology.

### PYN044 Clinical Psychological Interventions 2

Pre-requisites	PYN025
Co-requisites	PYN030
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Contemporary approaches to psychological treatment have increasingly emphasised the importance of a relational understanding of human problems and change processes and common factors associated with change. This

perspective suggests that current adaptation is acquired in large part through early experience, interpersonal learning and development. These experiences result in relational patterns based upon early experiences, often outside conscious awareness. The goal of interpersonal psychodynamic approaches is to enhance awareness of these relational patterns with a view to promoting adaptation and addressing current issues. This process may take the form of brief psychodynamic psychotherapy or interpersonal psychodynamic psychotherapy with its emphasis upon the primacy of subjectivity and current interpersonal issues. The aim of this unit is to provide you with theoretical grounding and practical skills and their application within an integrative framework.

### PYN045 Clinical Psychological Interventions 3

Pre-requisites	PYN044
Co-requisites	PYN037
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This core unit covers the theories and skills of systemic, interpersonal (IPT), narrative and solution- focused approaches required for relationship counselling and family therapy. Contemporary approaches to psychological treatment have increasingly emphasised the importance of a relational understanding of

human problems and change processes. The general area of family therapy has been most notable in contributing important concepts and skills, which can be applied to most forms of relationship therapy. Regardless of whether a psychologist's primary work is with individuals or larger groups, it is important to have a sound understanding of these concepts and skills, in order to be able to respond to the diverse needs of contemporary practice. The unit will have a practical emphasis on common child-focused and adult-focused problems. The unit will examine the implications of each of the approaches from an evidence-based practice perspective.

### PYN052 Research Thesis 8

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

Clinical Psychologists preparing to contribute to the development of the profession require high level research skills. The research component of the degree needs to reflect a high standard of critical thinking, capacity for innovation and a contribution to the practice of psychology through research. This requires clinical psychologists to demonstrate originality and advanced skills in the critical evaluation, interpretation and application of research within an area of specialisation. This unit will be the culmination of the research thesis. The aim of the research



thesis is to provide you with the opportunity to demonstrate originality and develop high-level skills in the evaluation, interpretation and application of research.

#### PYN052 Research Thesis 7

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

PYN052 has 8 parts completed over years 2 and 3 full-time or years 3 to 6 part-time of the course. Students undertake in-depth research on a topic in clinical psychology and develop high-level skills in the evaluation, interpretation and application of research. They are required to submit a thesis or a 5,000 word literature review plus two prepared articles that report the research in a form that can be submitted for publication in an appropriate scholarly journal.

#### PYN052 Research Thesis 6

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

The aim of the research thesis is to provide you with the opportunity to demonstrate originality and develop high-level skills in the evaluation, interpretation and application of research. It will also enable you to undertake in-depth research, a specialised area of psychology and to make a contribution to the professional literature in clinical psychology. PYN052 has 8 parts completed

over years 2 and 3 full-time or years 3 to 6 part-time of the course. You will undertake in-depth research on a topic in clinical psychology and develop high-level skills in the evaluation, interpretation and application of research. You will submit a thesis or a 5,000 word literature review plus two prepared articles that report the research in a form that can be submitted for publication in an appropriate scholarly journal.

#### PYN052 Research Thesis 5

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

The aim of the research thesis is to provide you with the opportunity to demonstrate originality and develop high-level skills in the evaluation, interpretation and application of research. It will also enable you to undertake in-depth research, a specialised area of psychology and to make a contribution to the professional literature in clinical psychology. PYN052 has 8 parts completed over years 2 and 3 full-time or years 3 to 6 part-time of the course. You will undertake in-depth research on a topic in clinical psychology and develop high-level skills in the evaluation, interpretation and application of research. You will submit a thesis or a 5,000 word literature review plus two prepared articles that report the research in a form that can be submitted for publication in an appropriate scholarly journal.

#### PYN052 Research Thesis 4

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

The aim of the research thesis is to provide you with the opportunity to demonstrate originality and develop high-level skills in the evaluation, interpretation and application of research. It will also enable you to undertake in-depth research, a specialised area of psychology and to make a contribution to the professional literature in clinical psychology. PYN052 has 8 parts completed over years 2 and 3 full-time or years 3 to 6 part-time of the course. You will undertake in-depth research on a topic in clinical psychology and develop high-level skills in the evaluation, interpretation and application of research. You will submit a thesis or a 5,000 word literature review plus two prepared articles that report the research in a form that can be submitted for publication in an appropriate scholarly journal.

#### PYN601 Counselling and Consultation in Educational and Developmental Psychology

Pre-requisites	PYN631 or EDN631. PYN631 can be studied in the same teaching period as PYN601
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Advanced skills in counselling and consultation are required as a core competency of educational and developmental



psychologists who work both directly with children, adolescents and families, and also more indirectly with groups, organisations and communities. Their roles vary from counselling individual children and supporting families, to advising teachers and becoming agents of change within organisations and communities.

### PYN603 Professional Practice in Educational and Developmental Psychology

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This is a foundational unit that presents an overview of ethical, legal, and professional issues encountered in psychology practice. A major goal of the unit is to raise your awareness of the many ethical, legal and supervision issues you may encounter in practice, and to encourage you to become reflective practitioners throughout your professional lives. The practice of psychology requires an understanding of special roles, power relationships, boundaries and ethical principles in order to safeguard client rights. It requires skills in working with individuals and groups from a diverse range of backgrounds, including those from other cultural groups. An understanding of legal issues and relevant legislation and standards is also essential in professional practice. The knowledge and skills developed in this unit relate to

direct client contact in practicum units and builds a foundation for future professional practice.

### PYN606 Applied Developmental Psychology

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

A coherent understanding of contemporary developmental science provides a strong foundation for applied practice in Educational and Developmental psychology. This unit develops an advanced understanding of core theories to support assessment, intervention, and education skills utilised by practicing psychologists to benefit client systems and practice safely within a best practice approach.

### PYN610 Research Thesis 4

Credit Points	12
Campus	null

To ensure high quality practice, psychologists working in the area of educational and developmental psychology are continually required to monitor and modify their own practice to incorporate knowledge of the most recent research, assessment tools and interventions. This requires educational and developmental psychologists to have advanced skills in the critical evaluation, interpretation and application of research. The aim of the research thesis is to provide you with the

opportunity to develop high-level skills in the evaluation, interpretation and application of research. It will also enable you to research, in depth, an area of interest within educational and developmental psychology.

### PYN631 Supervised Practicum 1

Pre-requisites	(PYN601 or EUN601 or LCN625) and (EUN602 or LCN626). These units can be studied in the same teaching period as PYN631.
Equivalent s	EDN631
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

As well as developing a sound knowledge base, students studying Educational and Developmental psychology need to develop the skills to apply this knowledge in a large range of settings. In Supervised Practicum 1, you will be given the opportunity to observe, participate in and critically evaluate a range of practice activities.

### PYN632 Supervised Practicum 2

Pre-requisites	(PYN631 or EDN631) and (EUN601 or LCN625) and (EUN602 or LCN626) and (EUN603 or LCN627) and PYN601. EUN603 can be studied in the same teaching period as PYN632.
Equivalent s	EDN632
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit provides supervised psychological practice, within the area of Educational and Developmental psychology, in applying diagnostic, assessment and intervention skills in clinic, educational and community settings. This unit will develop your written and oral communication skills and provide you with practice in using these skills to communicate results of assessments and recommendations for interventions to school staff, parents and other stakeholders. Supervised experience will be undertaken at the Caroline Chisholm Centre, School, Student and Family Support at the QUT Psychology and Counselling Clinic, 44 Musk Ave, Kelvin Grove. PYN632 builds on your experience and skills learned in PYN631 Supervised Practicum 1.

**PYN633 Supervised Practicum 3**

Pre-requisites	PYN632 or EDN632
Equivalent s	EDN633
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1, SEM-2

Educational and Developmental psychologists are employed in many areas other than schools. Practicum 3 provides you with the opportunity to acquire knowledge about the role of Educational and Developmental psychologists in non-educational settings and

to develop skills to practice in these settings. This unit builds on students' psychological practice experiences acquired during their year-long internship within the Caroline Chisholm Centre and QUT Psychology and Counselling Clinic (PYN631 and PYN632). The aim of Practicum 3 is to provide you with supervised experience in applying your diagnostic, assessment and intervention skills within non-educational settings. Practicum 3 will also further develop your written and oral communication skills, and provide you with practice in using these skills to communicate results of assessments and intervention strategies within teams from non-educational settings.

**PYN634 Supervised Practicum 4**

Pre-requisites	PYN633 or EDN633
Equivalent s	EDN634
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1, SEM-2

Prior to entering practice as an Educational and Developmental psychologist and being registered as a psychologist, you need to demonstrate that you have met skill competencies identified by the Psychology Board of Australia. These competencies include a high level of knowledge of your discipline area; competence in the administration and interpretation of, and dissemination of information

from assessments; knowledge of and application of intervention strategies; high level oral and written communication skills; and knowledge of applicable ethical, legal and professional matters. Practicum 4 provides you with the opportunity to demonstrate your competencies in these areas and to work as a supported independent professional. The aim of Practicum 4 is to provide you with support in ensuring that you have attained the level of knowledge and skill required to meet the competencies of the Psychology Board of Australia.

**QCD110 Academic Communication 1**

Anti-requisites	QCD111, QCD120
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3, SEM-2

A contributing factor to success in a higher education context relates to the understanding and use of communication skills specific to academia. This unit helps to develop your academic language and literacy skills including your academic study skills to support your learning in undergraduate university programs. This introductory unit is studied concurrently with discipline specific units related to the undergraduate degree in your chosen field of study. It focuses on foundation knowledge, understanding and use of academic language and

literacy skills.

### QCD111 Communication 1

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP3, SEM-2

A high level of English communication skills is essential for success in an Australian higher education context. This unit focuses on the ability to systematically source, integrate and communicate information effectively. These skills will be applied to both written and spoken form in academic and real world contexts. This unit complements QCD211 in developing key academic skills required to be a successful, ethically responsible, independent learner at the postgraduate level.

### QCD210 Academic Communication 2

Anti-requisites	
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3, SEM-2

This unit helps to develop the academic language and literacy skills needed to be a successful, ethically responsible, independent learner in undergraduate university programs. You will study this unit concurrently with discipline specific units related to your chosen undergraduate degree. The skills you engage with in this unit are transferrable to your discipline

specific units.

### QCD211 Communication 2

Pre-requisites	QCD111. QCD111 can be studied in the same teaching period as QCD211
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP3, SEM-2

A high level of English communication skills is essential for success in an Australian higher education context. This unit focusses on the ability to manage complex information and produce extended academic text. It complements QCD111 in developing key academic skills required to be a successful, ethically responsible, independent learner at the postgraduate level.

### QCD310 Communication for the Health Professions

Pre-requisites	QCD210
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

You are required to have higher English language proficiency levels to enter many undergraduate health-related courses. These levels reflect the unique communication needs of the healthcare professions. This unit aligns closely and supports the other units offered in HL10 Diploma in Health Science. It focuses on developing and honing your academic literacy skills ultimately establishing you as an independent learner.

Through the use of health-related topics, this unit exposes you to common healthcare vocabularies.

### QCE001 English for Academic Purposes 1

Credit Points	48
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 12TP1, 12TP1, 12TP2, 12TP3

This unit is designed to improve students' academic English and study skills in order to prepare them for further studies at QUT International College. Upon successful completion of EAP 1, students will gain entry into QUTIC courses including EAP 2 or 2 semester Foundation or Diploma Programs.

### QCE003 English for Academic Purposes 2

Credit Points	48
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 12TP1, 12TP2, 12TP3

This unit is designed to improve your academic English and study skills and aims to upgrade your English proficiency level to meet university entry requirements for QUT Degree and Post-Graduate programs.

### QCE004 EAP for Entry to QUTIC Courses

Credit Points	48
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 12TP1, 12TP1, 12TP2, 12TP3

## Units

This unit is designed to help you gain entry to University Entry programs (Foundation and University Diploma). Its purpose is to improve your English language and study skills in order to prepare you for independent study and to familiarise you with the Australian academic environment.

Availability	<b>Kelvin Grove</b> - 10EP1, 15EP1, 15EP2, 15EP3
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### QCE210 English for Academic Purposes 2 Standard

Credit Points	40
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - 10EP1, 10EP2, 10EP3

English 1 develops your ability to use the generic structures and linguistic features salient to academic English. There is a particular focus in the unit on fostering the complex language forms which characterise academic writing and speaking in order to enhance your ability to use these forms in powerful and purposeful ways.

### QCE007 English for Academic Purposes 3

Credit Points	48
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - 12TP1, 12TP3

This course is designed for International Students intending to gain entry into QUT degree programs with a requirement of overall IELTS 7.0 (with no sub-scores lower than 6.5). Its purpose is to improve students' academic English and study skills in order to prepare them for independent study and to familiarise them with the Australian academic environment and student/lecturer relations and expectations.

### QCE215 English for Academic Purposes 2 Extended

Credit Points	60
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - 10EP1, 15EP1, 15EP2, 15EP3

### QCF135 Business Studies 1

Credit Points	12
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

In a world that is complex and rapidly changing, it is critical for every young person to develop skills that enable them to cope with life's challenges and to also succeed as a financially literate and enterprising citizen in the 21st century. The skills you learn in this unit will equip you with the knowledge, skills, values and behaviours needed to make responsible and informed consumer and financial decisions. These skills will enable you to successfully and confidently operate in the financial world. Accounting also plays a vital role in financial management in personal, business and social contexts. Business firms use accounting procedures to record, analyse and interpret financial and other information. In this unit, you will complete basic financial procedures and learn how this type of accounting information is an essential part of business decision making.

### QCE310 English for Academic Purposes 3 Standard

Credit Points	40
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - 10EP1, 10EP2, 10EP3

### QCE315 English for Academic Purposes 3 Extended

Credit Points	60
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - 10EP1, 15EP1, 15EP2, 15EP3

### QCE110 English for Academic Purposes 1 Standard

Credit Points	40
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - 10EP1, 10EP2, 10EP3

### QCF112 Academic English 1

Credit Points	12
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

### QCE115 English for Academic Purposes 1 Extended

Credit Points	60
Campus	Kelvin Grove

This unit focuses on developing your academic language skills in preparation for tertiary study. By exposing you to language in the academic context, Academic



**QCF156 General Mathematics 1**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Studying mathematics contributes to preparing you with the knowledge, skills and confidence to participate effectively in the community and the economy. QCF156 General Mathematics 1 and QCF256 General Mathematics 2 provide learning opportunities that focus on: practising essential mathematical routines to develop procedural fluency, investigating scenarios, modelling the real world, solving problems and explaining reasoning. These units highlight the relevance of mathematics in your daily life and the broader community and as such help you to develop a mathematical mindset.

**QCF157 Advanced Mathematics 1**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

To be an effective professional in a wide range of areas, such as engineering, science, information technology, health, accounting, economics and business, an appropriate level of mathematical competence is essential. In our own personal lives, a basic knowledge of topics, such as statistics, probability, measurement and financial maths is also beneficial.

**QCF158 Science 1**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Inquiry into the nature of the universe is at the core of all science disciplines. Studying Biology and Chemistry will help you become better informed about the world around you and about how these disciplines impact society. In QCF158 Science 1 you will learn skills required for scientific investigation and develop critical skills to evaluate and make evidence-based decisions about current scientific issues. This unit will develop your ability to work scientifically and understand the processes required to gather, scrutinise and use evidence.

**QCF160 Creative Practice**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

There is increasing recognition of the importance of creativity to all aspects of society. Responding to the challenges of the twenty-first century - with its complex environmental, social and economic pressures - requires young people to be creative, innovative, enterprising and adaptable, with the motivation, confidence and skills to use critical and creative thinking purposefully. Drama encourages the development of these skills by

investigating, communicating and embodying stories, experiences, emotions and ideas that reflect the human experience. In Creative Practice you will engage in aesthetic learning experiences that develop the 21st century skills of critical thinking, creative thinking, communication, collaboration and teamwork, personal and social skills. You will develop a deeper and more empathetic understanding and appreciation of others and communities. This unit promotes the development of confidence and creativity to benefit you in your future studies and work.

**QCF180 Studies of Society 1**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

As a student in Australia, it is important to carefully consider who you are and your place in society. This unit fosters the social skills you need to interact in a variety of contexts. Respect for cultural diversity will help you to develop responsible attitudes and behaviours required for effective participation in an Australian educational community and more broadly in society. Through engagement with topics related to identity, you will develop critical and analytical thinking, construct creative responses to stimuli, and develop linguistic competencies. With a focus on Aboriginal and Torres Strait

Islander cultural practices, this unit also highlights the important role oral histories play in communicating identity and history. The sharing of artefacts will facilitate communication of your personal histories and cultural backgrounds. Through such activities, you will critically reflect on factors that influence your life and help you develop as an individual.

### QCF212 Academic English 2

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

This unit continues to develop your academic language skills in preparation for tertiary study. Through ongoing exposure to language in academic contexts, Academic English 2 promotes your knowledge and use of high frequency academic text structures and their associated linguistic features. There is an ongoing focus on the complex language forms which characterise high quality academic texts. This unit will also equip you with an understanding of the nature of argumentation and how language can convey the stance of the author, discipline and academic community.

### QCF235 Business Studies 2

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2

The study of business is relevant to all individuals in a

rapidly changing, technology-focused and innovation-driven world. This unit will provide you with the skills necessary to make valuable contributions within a business environment. QCF235 Business Studies 2 will directly develop skills needed to prepare you for positions of employment, leadership, management, and entrepreneurship.

### QCF256 General Mathematics 2

Pre-requisites	QCF156
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Studying mathematics contributes to preparing you with the knowledge, skills and confidence to participate effectively in the community and the economy. QCF156 General Mathematics 1 and QCF256 General Mathematics 2 provide learning opportunities that focus on: practising essential mathematical routines to develop procedural fluency, investigating scenarios, modelling the real world, solving problems and explaining reasoning. These units highlight the relevance of mathematics in your daily life and the broader community and as such help you to develop a mathematical mindset.

### QCF257 Advanced Mathematics 2

Pre-requisites	QCF157
Credit Points	12

Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP1, 13TP2, 13TP2, 13TP3

Studying mathematics is a way to develop your thinking and problem-solving skills through observation, reflection and logical reasoning. QCF157 Advanced Mathematics 1 and QCF257 Advanced Mathematics 2 focus on topics that are the basis for developing effective models of the world and solving complex and abstract mathematical problems. These units provide learning opportunities that focus on: describing and analysing phenomena involving uncertainty and variation, developing an understanding of the physical world, and representing information in a variety of ways. Through solving problems and developing models, you will develop mathematical skills that are critically important in the 21st century.

### QCF258 Science 2

Pre-requisites	QCF158
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3

Inquiry into the nature of the universe is at the core of all science disciplines. This unit develops an appreciation for a body of scientific knowledge and the process that is undertaken to acquire this knowledge. Studying Chemistry and Physics will help you to better understand the world around you and the

impact these disciplines have on society. In Science 2 you will investigate scientific theories that are fundamental to the understanding of many common observable phenomena. You will further develop your ability to work scientifically which includes refining experiments, verifying scientific relationships, explaining phenomena with justification and evaluating claims by using evidence to support or refute these claims. This unit develops your critical skills to evaluate and make evidence-based decisions about scientific issues.

### QCF260 Creative Design

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2

In QCF260 Creative Design you will develop an understanding of approaches to problem solving, creativity and design thinking frameworks. Creative thinking is increasingly valued as a key success factor in professional and educational sectors as it allows you to engage with complex and ever changing environments. You will be introduced to ways of working that are applicable to a broad range of real world contexts. You will use creativity and design thinking frameworks to generate solutions to a given problem and to develop creative solutions.

### QCF280 Studies of Society 2

Credit	12
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Points	
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2

QCF280 Studies of Society 2 will further prepare you for faculty studies by fostering appreciation of, and respect for cultural diversity and encouraging attitudes and behaviours required for effective participation in the community and for thinking critically. You will be supported to confidently participate in group discussions, verbally communicate your ideas, and respectfully listen to the ideas and opinions of others. Your critical thinking skills will be developed through practice in synthesising your prior knowledge with your own social investigations.

### QCF300 Digital Studies

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3, 6TP6

Technologies impact people and society by transforming, restoring and sustaining the world in which we live. Engagement in this unit will help you to consider the impact of technologies including the generation of digital solutions to problems. You will learn about how technology works and gain a more informed understanding of how everyday applications of digital technologies impact your life. By collaborating and using creativity to generate digital solutions to problems, you will understand how people and

their needs drive transformation. You will apply digital literacy skills for the purposes of communication and collaboration.

### QCF315 Literature Studies

Pre-requisites	QCF212. QCF212 may be studied in the same teaching period as QCF315.
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP2, 13TP3, 6TP6

This unit continues to develop your knowledge, understanding and skills in listening, speaking, reading, viewing, designing and writing. It moves beyond Academic English 1 & 2 while remaining consistent in recognising the need for you as an English language learner to become a competent user of written and spoken English as required in tertiary studies. By providing opportunities for you to enjoy language, this unit empowers you as a functional, purposeful, creative and critical language user who understands how texts can convey and transform personal and cultural perspectives.

### QCS230 Computing

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP3

It is important when studying at university to have the computing skills necessary for accessing, organising and presenting information and knowledge of the university

## Units

computing facilities, services, procedures and culture. As these skills are needed at the beginning of university study, this is an introductory subject encompassing Microsoft Windows, Word, Excel and PowerPoint to provide students with these skills.

### QCS300 Introduction to the Language of Research

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 13TP1, 13TP3, SEM-2

As a student moving into studying at an Australian Higher Education Institution, you need a good understanding of the research process and the ability to interpret and critically read a wide range of research texts. This unit focuses on providing you with an introduction to the language of quantitative and qualitative research common to a range of disciplines which will enable you to better engage with published research. You will also focus on research ethics and academic integrity. Completing this unit successfully will provide you with the language you need to progress to your next level of learning.

### QEL004 IELTS Advanced

Credit Points	40
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - FP12A

Designed for international students who need to upgrade their English proficiency level

to meet University entry requirements for those programs that require an IELTS Academic Module score of 7.0 or higher as an entry pre-requisite. Students in this program will need to apply for an IELTS Academic Module examination to be taken at the end of the program.

### QEN001 General English

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP1, 5TP2, 5TP3, 5TP4, 5TP5, 5TP6, 5TP7, 5TP8, 5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### QEN002 General English

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP1, 5TP2, 5TP3, 5TP4, 5TP5, 5TP6, 5TP7, 5TP8, 5TP9

### QEN003 General English

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP1, 5TP2, 5TP3, 5TP4, 5TP5, 5TP6, 5TP7, 5TP8, 5TP9

### QEN004 General English

Credit	20
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Points	
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP1, 5TP2, 5TP3, 5TP4, 5TP5, 5TP6, 5TP7, 5TP8, 5TP9

### QEN005 General English

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP1, 5TP2, 5TP3, 5TP4, 5TP5, 5TP6, 5TP7, 5TP8, 5TP9

### QEN006 General English

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP1, 5TP2, 5TP3, 5TP4, 5TP5, 5TP6, 5TP7, 5TP8, 5TP9

### QEN007 General English

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP1, 5TP2, 5TP3, 5TP4, 5TP5, 5TP6, 5TP7, 5TP8, 5TP9

### QEN008 General English

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP1, 5TP2, 5TP3, 5TP4, 5TP5, 5TP6, 5TP7, 5TP8, 5TP9

### QEN009 General English

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - 5TP1, 5TP2, 5TP3, 5TP4, 5TP5, 5TP6, 5TP7, 5TP8, 5TP9



### QEN010 General English Elementary 1-5

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - C5TP3, C5TP3, C5TP4, C5TP4, C5TP5, C5TP5, C5TP6, C5TP6, C5TP7, C5TP7, C5TP8, C5TP8, C5TP9, C5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### QEN011 General English Elementary 6-10

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - C5TP3, C5TP3, C5TP4, C5TP4, C5TP5, C5TP5, C5TP6, C5TP6, C5TP7, C5TP7, C5TP8, C5TP8, C5TP9, C5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### QEN012 General English Pre-Intermediate 1-5

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - C5TP3, C5TP3, C5TP4,

C5TP4, C5TP5, C5TP5, C5TP6, C5TP6, C5TP7, C5TP7, C5TP8, C5TP8, C5TP9, C5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### QEN013 General English Pre-Intermediate 6-10

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - C5TP3, C5TP3, C5TP4, C5TP4, C5TP5, C5TP5, C5TP6, C5TP6, C5TP7, C5TP7, C5TP8, C5TP8, C5TP9, C5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### QEN014 General English Intermediate 1-5

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - C5TP3, C5TP3, C5TP4, C5TP4, C5TP5, C5TP5, C5TP6, C5TP6, C5TP7, C5TP7, C5TP8, C5TP8, C5TP9, C5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic

Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### QEN015 General English Intermediate 6-10

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - C5TP3, C5TP3, C5TP4, C5TP4, C5TP5, C5TP5, C5TP6, C5TP6, C5TP7, C5TP7, C5TP8, C5TP8, C5TP9, C5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### QEN016 General English Upper Intermediate 1-5

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - C5TP3, C5TP3, C5TP4, C5TP4, C5TP5, C5TP5, C5TP6, C5TP6, C5TP7, C5TP7, C5TP8, C5TP8, C5TP9, C5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### QEN017 General English Upper Intermediate 6-10

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - C5TP3, C5TP3, C5TP4, C5TP4, C5TP5, C5TP5, C5TP6, C5TP6, C5TP7, C5TP7, C5TP8, C5TP8, C5TP9, C5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### QEN018 General English Advanced 1-5

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - C5TP3, C5TP3, C5TP4, C5TP4, C5TP5, C5TP5, C5TP6, C5TP6, C5TP7, C5TP7, C5TP8, C5TP8, C5TP9, C5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### QEN019 General English Advanced 6-10

Credit Points	20
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - C5TP3, C5TP3, C5TP4, C5TP4, C5TP5, C5TP5,

C5TP6, C5TP6, C5TP7, C5TP7, C5TP8, C5TP8, C5TP9, C5TP9

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced. Classes at specific levels are offered subject to demand.

### SCB500 Industry Project

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2, SUM

In this unit students will apply scientific methods and quantitative techniques to real work issues. Students will develop an appropriate plan for analysing and resolving an industry issue under the guidance of both a QUT supervisor and an associate supervisor from an industry partner. At the end of the unit students will present both an oral seminar and a written report.

### SEB104 Grand Challenges in Science

Anti-requisites	SEB101, SEB102
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Grand Challenges in Science explores world events, problems or phenomena from a scientific perspective, discovering the many ways in

which science is used and misused by practicing scientists and the public. You will understand the problems and challenges of modern scientific inquiry using a range of multidisciplinary perspectives and explore solutions focussed approaches.

### SEB113 Quantitative Methods in Science

Anti-requisites	MAB101
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

SEB113 is a foundational science unit for developing core quantitative skills of analysis, modelling and simulation that underpins all modern scientific practice. These quantitative skills are taught in the scientific context using R, a popular open source computing software, to prepare students for the practical aspects of designing, conducting and analysing experimental and other scientific study. Tools for analysing scientific phenomena include differential and integral calculus, which can model change in system behaviour, and linear modelling and regression, to estimate models while accounting for uncertainty. Such concepts and techniques, in addition to software skills relating to data handling and visualisation, are central to the scientific study of real world biological,

environmental, physical and chemical systems. This unit thus serves as a foundation and prerequisite for many subsequent units in the science degree.

### SEB115 Experimental Science 1

Anti-requisites	SEB114
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Science is the systematic study of the structure and behaviour of the physical and natural world through observation and experiment. To this end scientists employ a unique methodology termed the Scientific Method.

Experimental Science 1 applies the principles of the Scientific Method as it relates to experiments in the fields of Chemistry and Physics. You will conduct experimental science, via inquiry-led practice, working both individually and collaboratively. Through classroom activities, workshops and laboratory experiences, you will focus on real-world applications.

Activities will include recording and interpreting experimental data, experimental data analysis and modelling using appropriate quantitative methods, and the presentation of findings in written and graphical form. Together with the SEB113 Quantitative Methods and SEB116 Experimental Science 2, this unit provides the fundamental skills required for scientific research in any discipline.

### SEB116 Experimental Science 2

Anti-requisites	SEB114
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Science is concerned with developing testable, quantifiable models of the world around us for the purpose of creating a sustainable, safe future for humankind. To this end, scientists employ a unique methodology termed the Scientific Method. "Experimental Science 2" focuses on the applied principles and concepts embodied by the Scientific Method as it relates to the fields of biological, environmental and earth science. You will conduct experimental science, via inquiry-led practice, working both individually and collaboratively. Through field and/or laboratory experiences, you will focus on real-world applications.

### SEB300 Science and Mathematics Education Capstone

Pre-requisites	(CRB040 or EUB012) and SEB200 and (CRB215 or CRB204 or EUB221 or EUB224)
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This unit provides more

challenging opportunities for students to put into practice their learning on effective communication of scientific and mathematical concepts to different audiences. You will gain insights into how to gauge the audience's response to your teaching approach and how to redirect your teaching strategy as needed to improve learning outcomes. You will appreciate the many applications of good science and mathematics communication outside of teaching and will have opportunities to produce quality educational materials for different audiences that could be adopted for future use by the relevant organisation, business, educational body or research scientist. The unit is taken as the final unit in the science education minor.

### SEB403 Honours Research Project-1

Pre-requisites	SEB400. SEB400 can be enrolled in the same teaching period as SEB403-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

### SEB403 Honours Research Project-2

Pre-requisites	SEB400 and SEB403-1. SEB403-1 can be enrolled in the same teaching period as SEB403-2
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

### SEB403 Honours Research Project-3

Pre-requisites	SEB400 and SEB403-2. SEB403-2 can be enrolled at the same time as SEB403-3.
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

### SEB403 Honours Research Project-4

Pre-requisites	SEB400 and SEB403-3. SEB403-3 can be enrolled at the same time as SEB403-4
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

### SEB404 Honours Research Project-2

Pre-requisites	SEB400 and SEB404-1. SEB404-1 can be enrolled in the same teaching period as SEB404-2
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

SEB404-1, SEB404-2, SEB404-3 are the capstone units for the SEF Honours degree and draw together the theory, practice and discipline fundamentals that have been covered in your Bachelor's degree as well as the Foundations of Research unit. In this unit you will execute, complete and present your research project. These units will prepare you for your transition to the professional world or for a further career in research.

### SEB404 Honours Research Project-3

Pre-requisites	SEB400 and SEB404-2. SEB404-2 can be enrolled in the same teaching period as SEB404-3
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

SEB404-1, SEB404-2, SEB404-3 are the capstone units for the SEF Honours degree and draw together the theory, practice and discipline fundamentals that have been covered in your Bachelor's degree as well as the Foundations of Research unit. In this unit you will execute, complete and present your research project. These units will prepare you for your transition to the professional world or for a further career in research.

### SEB410 Advanced Topic 1

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This is an advanced level unit offering the opportunity to undertake an in-depth examination of an advanced topic to acquire expertise in one or more disciplines. The content of this unit will depend upon the chosen discipline and topic. The skills gained in this unit will broaden the knowledge and understanding of methodologies and potential research topics. It will support students in developing

essential skills that enable clarity and focus in research.

### SEB411 Advanced Topic 2

Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2 <b>External</b> - XCH-1, XCH-2

This honours level unit develops advanced knowledge and skills in one or more discipline areas. The unit will have an industry or research training focus to prepare you for a job in the real-world or for further studies. This advanced topic is designed to complement your studies in the Honours Research Project, Introduction to Research and Reviewing the Field units.

### SEB701 Work Integrated Learning 1

Equivalent s	BEB701
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit provides opportunities to learn from workplace experiences. It involves attendance, participation, observation, critical reflection, and report writing on workplace activities. The emphasis of your critical reflection and report writing will be on identifying and describing aspects of professional relevance incorporating: collaboration and teamwork; work place, health and safety; professional conduct; ethical



responsibility; and other aspects of your work place experience. This unit may form part of your (compulsory) course core (as required by professional accrediting bodies e.g. Engineers Australia) or it may be one of several Work Integrated Learning (WIL) units (selected as part of a minor).

### SEB709 Work Integrated Learning 1

Equivalent s	BEB709
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

SEB709 is for students who are undertaking a second primary major in the same course, and who have already completed SEB701 in their first primary major. Please note: Advance standing for BEB/SEB701 can not be granted for a second primary major in the same course.

### STB403 Honours Research Project 3

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is the capstone unit for the SEF Honours degree that aims to draw together, and build upon, the theory, practice and discipline fundamentals that have been covered in your Bachelor's degree. In this unit you will acquire the knowledge and skills essential to engaging with and conducting research, so that you may execute, complete and present your

research project. Initially, this unit introduces you to the research process, project planning and management, and methodologies used in science. You will then apply your knowledge to a discipline-related issue or problem and carry out an independent and in-depth study that will provide the opportunity to extend and broaden your understanding of your chosen research topic. You will be required to relate the project work to published work in your field of study. This unit will prepare you for your transition to the scientific workplace, and in particular, a career in research.

### STB403 Honours Research Project 2

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is the capstone unit for the SEF Honours degree that aims to draw together, and build upon, the theory, practice and discipline fundamentals that have been covered in your Bachelor's degree. In this unit you will acquire the knowledge and skills essential to engaging with and conducting research, so that you may execute, complete and present your research project. Initially, this unit introduces you to the research process, project planning and management, and methodologies used in science. You will then apply your knowledge to a discipline-related issue or problem and carry out an independent and in-depth study that will provide

the opportunity to extend and broaden your understanding of your chosen research topic. You will be required to relate the project work to published work in your field of study. This unit will prepare you for your transition to the scientific workplace, and in particular, a career in research.

### STB403 Honours Research Project 4

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is the capstone unit for the SEF Honours degree that aims to draw together, and build upon, the theory, practice and discipline fundamentals that have been covered in your Bachelor's degree. In this unit you will acquire the knowledge and skills essential to engaging with and conducting research, so that you may execute, complete and present your research project. Initially, this unit introduces you to the research process, project planning and management, and methodologies used in science. You will then apply your knowledge to a discipline-related issue or problem and carry out an independent and in-depth study that will provide the opportunity to extend and broaden your understanding of your chosen research topic. You will be required to relate the project work to published work in your field of study. This unit will prepare you for your transition to the scientific workplace, and in particular, a career in research.

### STB403 Honours Research Project 1

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is the capstone unit for the SEF Honours degree that aims to draw together, and build upon, the theory, practice and discipline fundamentals that have been covered in your Bachelor's degree. In this unit you will acquire the knowledge and skills essential to engaging with and conducting research, so that you may execute, complete and present your research project. Initially, this unit introduces you to the research process, project planning and management, and methodologies used in science. You will then apply your knowledge to a discipline-related issue or problem and carry out an independent and in-depth study that will provide the opportunity to extend and broaden your understanding of your chosen research topic. You will be required to relate the project work to published work in your field of study. This unit will prepare you for your transition to the scientific workplace, and in particular, a career in research.

### STB403 Honours Research Project 6

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is the capstone unit for the

SEF Honours degree that aims to draw together, and build upon, the theory, practice and discipline fundamentals that have been covered in your Bachelor's degree. In this unit you will acquire the knowledge and skills essential to engaging with and conducting research, so that you may execute, complete and present your research project. Initially, this unit introduces you to the research process, project planning and management, and methodologies used in science. You will then apply your knowledge to a discipline-related issue or problem and carry out an independent and in-depth study that will provide the opportunity to extend and broaden your understanding of your chosen research topic. You will be required to relate the project work to published work in your field of study. This unit will prepare you for your transition to the scientific workplace, and in particular, a career in research.

### STB403 Honours Research Project 5

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

This is the capstone unit for the SEF Honours degree that aims to draw together, and build upon, the theory, practice and discipline fundamentals that have been covered in your Bachelor's degree. In this unit you will acquire the knowledge and skills essential to engaging with and conducting research, so that you may execute,

complete and present your research project. Initially, this unit introduces you to the research process, project planning and management, and methodologies used in science. You will then apply your knowledge to a discipline-related issue or problem and carry out an independent and in-depth study that will provide the opportunity to extend and broaden your understanding of your chosen research topic. You will be required to relate the project work to published work in your field of study. This unit will prepare you for your transition to the scientific workplace, and in particular, a career in research.

### STB410 Advanced Techniques in Earth, Environmental and Biological Research

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This advanced level unit offers Honours students the opportunity to undertake in-depth study on a range of advanced topics and techniques that are relevant to both research and industry work environments. The unit provides training in a range of advanced skills and knowledge necessary for the workplace, or further studies. By providing a framework to undertake advanced level coursework in your chosen discipline area, the unit aims to broaden and synthesise your knowledge, develop effective communication skills and understand methodologies

essential for research. You will also learn how to formulate, evaluate and solve problems competently; as well develop skills that facilitate teamwork. The skills gained in this unit are developed and refined through activities relevant to your research topic, and are essential for you to take your place as an emerging expert in your discipline area/s. This unit complements your studies in the Honours Research Project unit, STB403.

### STB411 Advanced Topics in Earth, Environmental and Biological Research

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This honours level unit develops advanced knowledge and skills in an area specific to the individual student's discipline (either biological, earth or environmental science) and their subject area. The training focus of this unit is relevant to both industry and research environments and will help to prepare students for a job in the real-world, or for further studies. This advanced topic is designed to complement studies in the Honours Research Project.

### STB412 Advanced Experimental Chemistry Techniques

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit is offered at the Honours level for students who wish to build on their knowledge in chemistry, obtained during their undergraduate studies. The unit will provide an essential platform for further studies and theoretical and experimental research concerning the analysis of chemical compounds. To successfully complete this unit you will: 1. Be able to apply modern analytical approaches to the identification, characterisation and quantification of a variety of chemical compounds. 2. Develop general skills in problem solving, that will be applicable to various areas of pure and applied chemistry. 3. Acquire a range of experimental and interpretive skills in advanced experimental techniques commonly used in cutting-edge research.

### STB413 Frontiers of Chemistry

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is offered at the Honours level for students to build on their knowledge in chemistry, obtained during their undergraduate studies. By exploring the most recent advances in the field, the unit will provide an essential platform for further studies and theoretical and experimental research in all areas that require knowledge of modern chemistry. To successfully complete this unit you will: 1. Be up to date with the theory

and practice of cutting edge research areas at the frontiers of modern chemistry 2. Develop skills used in problem solving in at least three areas of cutting-edge research. 3. Apply critical and creative thinking using advanced chemistry theory to articulate the challenges, problems and opportunities in areas of cutting-edge research.

### STB414 Advanced Quantum Mechanics

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Quantum mechanics (QM) has been crucial to the development of a comprehensive physical understanding of the world around us. Together with classical mechanics, electromagnetism and statistical physics, QM is one of the fundamental building blocks of modern physics and permeates every aspect of it. It has also had a revolutionary impact on modern science and technology in general: examples of breakthrough developments enabled by QM include computational chemistry, lasers and modern spectroscopy, electronic materials and devices, nuclear physics and many others. This unit will enable you to develop a practical knowledge of QM expected of a Physics researcher at the beginning of their career. While not focused on any specific applications, this unit will provide the foundation that will enable you

to apply QM reasoning and problem-solving skills to a wide variety of practical applications and research problems.

### STB415 Solid State Physics and Nanomaterials

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit is offered at the Honours level for students who wish to build on their knowledge in solid state physics and nanomaterials, obtained during their undergraduate studies. The unit will provide an essential platform for further studies and theoretical and experimental research in all areas that require knowledge of modern material science and nanotechnology. Theoretical and experimental lectures supported by problem solving and practical activities in a flexible learning program will provide advanced skills in solid state theory, band structure calculations, quantum physics and modern experimental techniques, including spectroscopy and microscopy.

### SWB100 Orientation to Social Work and Human Services

Anti-requisites	HHB100
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>External</b> - SEM-1

Purposefully positioned at the beginning of your course, this

unit scaffolds essential learning about the scope of social work or human services, the professional context, and the changing occupational patterns of and service delivery. It is important that you start to explore your own motivation for becoming a social work or human service practitioner and begin to develop your professional identity. This unit also considers it essential that you are provided with the foundation for developing a critical approach to practice, grounded in social justice and social change. The concepts of power, oppression, privilege, and positionality will be explored. An understanding of critical practice, cultural diversity and the construction of 'difference' is presented as fundamental to commencing your reflective learning journey that you will continue throughout the social work or human services course.

### SWB102 Human Development and Behaviour

Anti-requisites	HHB102
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Social work and human service students are studying for professional careers that enhance people's personal and social wellbeing and development, enhance problem solving in relationships, and promote human rights, social justice and

culturally safe practice. To do this you need to understand how individual development and behaviour are shaped by a range of factors including biological, psychological, socio-cultural, political and economic factors. You will learn about a range of theories of development and behaviour and consider the implications of such ideas for social work and human service practice. You will learn about key aspects of human behaviour such as emotion, motivation and socialisation and integrate and communicate this knowledge. Studying this information in the first year of the course provides you with necessary foundational information about people and the environments that shape their lives.

### SWB105 Contemporary Human Rights

Anti-requisites	HHB114
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Graduates across a wide range of professions must have an understanding of human rights and ethics together with an appreciation of their relevance for many contemporary global, regional and national issues. This unit provides an introduction to human rights. It is deliberately located within a broad political, legal, social, cultural and economic framework. It examines the relationship between human rights and thematic challenges



including climate change, poverty, and oppressive forms of intolerance and discrimination. It offers the opportunities to investigate present day concerns relating to the human rights of women, Indigenous peoples and minority groups as well as specific topics such as human trafficking, harmful cultural practices, workers' rights and child soldiers. It includes a range of Australian human rights, ethical and social justice issues.

**SWB108 Australian Society, Systems and Policies**

Anti-requisites	SWB103, SWB218
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Social work and human service professionals practice from a social justice perspective to engage with people who experience disadvantage. This unit focuses on understanding the structural dimensions of Australian society influenced by the global neoliberal context that produces, reproduces and entrenches inequality, poverty and precarity through uneven resource distribution and major social problems. Critical theory with a sociological lens is used to examine the contested space of policy (e.g. health, education, and income support), diverse institutions and systems (such as parliament, social services, media) that underpin the political economy of Australia and the welfare state. The unit

is located in the first year as it provides the foundation for developing a critical orientation to practice and aspiring to create a more democratic, egalitarian society by introducing students to the fundamentals of Australian society, social policy and social service provision.

**SWB109 Working with Aboriginal and Torres Strait Islander Peoples and Communities**

Anti-requisites	EDB041
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Social work, human services and allied professions are identified as 'helping' professions, yet have been, and in some circumstances continue to be, complicit in enacting discriminatory and harmful social policies. To prevent perpetuation of these practices it is essential that practitioners possess knowledge of their professions' role in colonising practices. Practitioners require a deep understanding of how the profound disadvantage evidenced across social, health, and economic indicators, are embedded in colonisation. Understanding the impacts of dispossession, colonisation and policy directives on self-determination and empowerment as basic human rights provides a requisite platform for culturally safe practice and helps redress social exclusion and

marginalisation. Critical self-awareness, reflexivity and reflective practice, along with a strong critical analysis of institutionalized racism and privilege, are essential components of culturally safe practice.

**SWB110 Understanding Families and Relationships**

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

For effective practice, social workers and human services practitioners need a deep, critically informed understanding of the nature and importance of relationships for human well-being identity and social justice. The immediate social worlds of individuals and families are complex, dynamic and heavily influenced by their socio-political context. To appropriately support people through professional practice an appreciation of this aspect, as well as the impact of diversity and difference is required. Through understanding these complexities social work and human service practitioners can shape their practice to better respond to the needs of individuals, families, groups and communities. This unit provides introductory knowledge for professional practice and is located in first year as a foundation for subsequent critical theory and practice.

## SWB201 Human Services Placement 1

Pre-requisites	(SWB100 or HHB100) and PYB007
Anti-requisites	SWB208, HHB208, SWB209
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

Human service students are required to demonstrate social justice values, critical theory for practice and proficiency in applying professional knowledge and skills in real world situations. To integrate theoretical knowledge grounded in critical theory for practice obtained in the course, you are required to successfully complete two field education practicums. This introductory 150-hour practicum provides the opportunity to engage with critically oriented practice within one human services agency to develop and apply an anti-oppressive practice framework, that consolidates skills, knowledge and professional attributes in accordance with the Australian Community Welfare Association's core competencies and values. You will undertake tasks and responsibilities of a student practitioner under the guidance and direction of an agency supervisor.

## SWB202 Health, Wellbeing and Social Work

Equivalent s	SWH202
Credit Points	12
Campus	Kelvin Grove

Availabilities	<b>Kelvin Grove</b> - SEM-2
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Social workers frequently work in the health system and when working in other fields of practice, the health and wellbeing of clients, families and more broadly the community, remains of central importance. This unit is placed in the second year of the social work course, providing opportunity for you to build upon existing knowledge and self-awareness to enable critical exploration and analysis of knowledge, theories and systems relevant to health and wellbeing. Specifically, health is introduced as a "social" idea, with consideration of the social determinants of health, as well as the social causes and consequences of health inequalities. Using a holistic understanding and consideration of health challenges across the lifespan, models of health are critically evaluated, and priority given to a biopsychosocial-spiritual-cultural approach to understanding health and wellbeing across the lifespan.

## SWB204 Introduction to Child and Family Services

Anti-requisites	HHB204
Credit Points	12
Campus	EXCHANGE and External
Availabilities	<b>External</b> - XCH-1, XCH-2

This unit focuses on social work and human services with children and families with an emphasis on providing support and services to parents so they are better able to identify and

meet their children's needs. It introduces you to the continuum of welfare and family support services in Australia and knowledge and skills central to effective work with children and families. You will critically analyse the application of selected social work and human service practice approaches to work across a range of service contexts for children and families. Students from education, psychology, and health related areas also find this unit useful as it provides a foundation in theories and approaches for inter-professional practice with children and families that is transferable to a wide range of professional settings.

## SWB207 Introduction to Youth Services

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

As social work and human service practitioners it is essential to have an understanding of and capacity to critique the range of ways young people are constructed in academic and popular contexts. It is also important for practitioners to have an appreciation of current policies oriented to young people and the nature of the various service delivery systems and programs in operation. This unit aims to give you a critical appreciation of the different ways 'youth' is understood in academic, policy and popular contexts, which is of

fundamental importance if policy and practice responses and choices are to be understood.

### SWB211 Casework and Case Management

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Social work and human service practitioners are expected to be familiar with critical casework processes and practice models, including understanding their strengths and limitations and implications for practice. Accordingly, this unit provides foundational knowledge and skill for practitioners who will utilise these critical tools. It is located in the second year and will provide an opportunity for you to apply key principles and theories to practice scenarios in preparation for forthcoming placements. It extends from SWB221, which examines the helping processes from a range of critical social work perspectives. The aim of this unit is to enable you to develop your understanding of critical casework and its relevance of these for practice in complex and diverse settings. The focus is on crisis, trauma and addictions.

### SWB212 Community and Place Based Practice

Anti-requisites	HHB212
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External

Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2
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Community level practice is a key social work and human services method. Various theories and approaches to 'community' and community work have been developed and used in practice. In recent years this has extended to include the need for locality oriented frames of 'space' and 'place', particularly as these apply to disadvantaged localities and tensions in various people's use of public spaces. This unit develops baseline practice skills and techniques for community-level practice underpinned by social work and human service ethics and values. Located in second year, this unit introduces you to the particular field of community work practice, building on foundational knowledge about social work and human services systems.

### SWB219 Legal and Ethical Dimensions of Social Work and Human Service Practice

Pre-requisites	SWB100 and SWB105
Anti-requisites	HHB277
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Human service and social work professionals engage with people in a wide variety of situations across a range of fields of practice. The legal

dimensions of practice range from the nature of legislative provisions to the legal accountabilities of direct practice. Practitioners often work with vulnerable and/or marginalised persons, groups and communities and need to understand the law as both context and as a dynamic resource with which they can engage. Legal and ethical considerations in practice often intersect and are usefully examined in conjunction with each other. An understanding and capacity to respond to ethical dimensions of practice situations is central to professional capability and requires you to develop literacy about key ethical approaches and concepts, and the capability to critically apply social work and human service professional Codes of Ethics.

### SWB220 Practice Theories

Anti-requisites	HHB278
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

In line with the orientation of the social work and human service courses as a whole, this unit emphasises the conceptual component of your developing personal and professional practice framework integral to working effectively with a range of services users in a range of different contexts. It is essential that you have a capacity to integrate and apply theoretical concepts to specific practice contexts, consider your own



## Units

practice frame of reference and ideological influences, and understand the implications of these for practice. This unit introduces you to the dynamic interplay between the theoretical, personal, professional and ideological influences. Additionally, this unit provides a platform for developing practice frameworks in preparation for the social work and human services field placement units.

### SWB221 Professional Practice Processes and Assessment

Anti-requisites	HHB279
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Human service and social work students must build foundational knowledge and skills in practice processes that solve social problems while serving the mission of social justice. This unit begins with a critical analysis of help and helping processes, and an exploration of diversity with reference to questions about power, privilege and oppression. Because of its importance in preparing you to undertake professional placements, the unit is strategically located in second year. Understanding and reflecting on diversity-of many kinds-is embedded in this unit.

### SWB222 Advanced Communication for Social Work and Human Services

Pre-requisites	HHB113 or SWB104 or PYB007
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Anti-requisites	HHB215, HHB282
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Developed interpersonal communication skills are the cornerstone for both personal and professional relationships. Human service and social work in a broad sense, aim to help people in their struggle for self-determination and social justice. At a fundamental level, the struggle for independence, justice and empowerment is facilitated by interpersonal processes involving the effective use of communication and conflict resolution skills. This is a skills based unit located in the second year of the Social Work degree and the third year of the Human Service degree to build upon fundamental communication skills. These culturally sensitive and diverse skills are at the core of sound practice, whether at a micro or macro level. The essential practitioner skill of a heightened sense of self is closely examined as are reflective strategies to effectively deal with and prevent vicarious trauma, burnout and enhance lifelong learning.

### SWB306 People, Community and Disability

Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Social work and human service practitioners must have the relevant professional knowledge and skills to understand the impact of disability experienced by people, families and carers. The experience of disability can universally impact on people of any age or culture at any point during life course transition. This unit provides a platform for developing foundational knowledge and skills to effectively respond to disability issues and challenge social and cultural constructions located in local, national and international community contexts. Because of its importance in preparing you for working with people, their families and carers and communities around disability, this unit is strategically located in the first year.

### SWB307 Youth Services Practice

Pre-requisites	Completion of 144 credit points or more of study
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit focuses on a wide range of practice arenas relevant to work in services for young people. Increasingly professionals working with young people or in agencies concerned with or impacting on young people require expertise about specific issues and practice responses. This expertise may be related to a particular professional role (eg policy analyst and advocate), the orientation or framework



employed by the funding program or service (eg early intervention or prevention), or particular practice approaches that respond to issues/needs that may be impacting on young people who constitute the target group (eg mental health, drug use, juvenile offending). This unit will engage students in developing a critical youth work practice framework, supported by engaging with critical youth work theories and input from youth work practitioners.

### SWB312 Global Challenges and Practice

Anti-requisites	HHB341
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit illustrates the scope of social work and human services practice by applying social justice lens range of international and regional issues through the framework of the Sustainable Development Goals. You will explore the relationship between social justice principles and values and global international issues including climate change, gender, poverty development assistance, aid and key concerns identified in the Sustainable Development Goals. The Unit considers opportunities for engagement through the use of case studies and activities that highlight key global challenges and practice.

### SWB314 Human Services Placement 2

Pre-requisites	SWB201 and SWB219 and SWB220 and SWB221 and SWH200. SWH200 can be enrolled in the same teaching period as SWB314.
Anti-requisites	SWB301
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

Human service students are required to demonstrate a social justice practice framework and proficiency in applying consolidated professional knowledge and skills in real world situations. To integrate theoretical knowledge grounded in critical theory obtained in the course, you must successfully complete two field education practicums. This final practicum of 350-hours in one human service agency builds on the experience gained in the first practicum (SWB201). By engaging with direct and/or community or policy practice under the guidance and direction of an agency supervisor you will demonstrate capability in critically applying skills, knowledge and professional attributes in accordance with the Australian Community Welfare Association's core competencies and values. Practicum tasks and responsibilities are completed under the guidance and direction of a qualified field educator.

### SWB321 Placement 1

Pre-requisites	(SWB219 or HHB277) and (SWB221 or HHB279) and (SWB222 or PYB208 or HHB282)
Anti-requisites	SWB316, SWB317
Credit Points	36
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

Social work students are required to demonstrate proficiency in applying knowledge and skills in complex real-world situations. To integrate the theoretical knowledge obtained in the course, students are required to successfully complete two field education placements of 500 hours each. This first 500 hour placement provides the opportunity to develop and demonstrate critical knowledge, skills, and professional attributes for critically oriented, safe, high quality and ethical practice in accordance with the AASW Practice Standards (2013) and Code of Ethics (2010). The unit provides students with real world opportunities to critically apply emerging knowledge and skills gained through the course. This designated unit provides a professionally supervised social work experience. Placement tasks and responsibilities are completed under the guidance and direction of a qualified field educator.

### SWB333 Participatory Community Development

Pre-requisites	Completion of 96 credit points
Credit	12

## Units

Points	
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - SEM-1

Participatory community development is a key methodology and approach to working in human services and social work, particularly when working with vulnerable and often marginalised groups across diverse settings. This unit provides a platform for developing and integrating knowledge and skills necessary for effective dialogue, group work and supporting people's organisations. The unit also provides you with an opportunity to gain an understanding of the dynamics of dialogue, groups and organisations and to acquire skills for effective engagement and intervention. Because of its importance in preparing you for professional practice with communities, this unit is strategically located in the third year.

### SWB412 Placement 2

Pre-requisites	SWB220 and SWB221 and (SWB321 or SWB317)
Anti-requisites	SWB402, SWB403, SWB408
Credit Points	36
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2, SUM

Social work students are required to demonstrate proficiency in applying knowledge and skills in complex real-world situations. The unit makes up the final

placement experience of 500 hours, building on the experience gained in the first placement. Students must successfully demonstrate skills, knowledge, and professional attributes necessary for safe, high quality and ethical practice in accordance with the AASW Practice Standards (2013) and Code of Ethics (2010). This unit provides students with the opportunity to undertake critical professional practice. Through the application of consolidated knowledge and skills gained through the course you will develop your identity as an emerging critically oriented and reflective social work practitioner. Tasks and responsibilities are completed under the guidance and direction of a social work supervisor and supported through university liaison visits and workshops.

### SWH200 Critically Reflective Practice in Organisations

Pre-requisites	SWB100 and (SWB201 or SWB321 or SWB317)
Equivalent s	SWB200
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2 <b>XCH</b> - XCH-1 <b>External</b> - XCH-2

This unit engages you in critical examination of the professional role within contemporary organisational contexts. The unit integrates whole of course theory and practice by drawing on practice experiences from

your field education placement as a stimulus for learning. The unit employs critically reflective approaches to learning and teaching about critical practice within contemporary workplaces characterised by neoliberal policies and managerialist practices. You will develop an understanding of ethical practice in organisations, informed by critical social theories, using a critical incident from your practice experience as a platform to develop your practice framework. This capstone unit links your own experiences with recent theoretical developments in professional practice for the social work and human services discipline. The unit focuses on building your organisational competence and professional confidence, as well as your commitment to critically reflective practice.

### SWH311 Mental Health and Social Work

Pre-requisites	SWB221 or HHB279
Anti-requisites	HHB340
Equivalent s	SWB311
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit critically examines mental health and mental illness within contemporary society with emphasis on anti-oppressive social work practice, human rights and social justice. Students develop introductory knowledge and

skills to build their understanding and capacity to support and advocate for individuals, families, groups and communities impacted by human distress. There is exploration of challenges associated with construction of mental health and mental illness, diagnosis and assessment that is dominated by the medical model, mental health services across the lifespan, gaps in service delivery, stigma and discrimination, disadvantaged individuals, groups and communities with specific needs, and relevant Australian legislation and policy. The importance of the community-based, consumer-led recovery model is embedded throughout the unit and students are positioned to critique and challenge existing service infrastructure with a view to critical social work practice.

**SWH400 Critical Social Policy and Advocacy**

Pre-requisites	SWB108 or SWB218 or SWB103
Anti-requisites	SWB302
Equivalent s	SWB400
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides you with a conceptual framework grounded in critical theory for exploring the philosophical, historical and critical practice dimensions of social policy and

advocacy. The unit orients you to the broad policy issues of poverty, inequity and social exclusion to make sense of the impact on different groups. The critical approach prepares you for engaging in the analysis, design, implementation and evaluation of social policy and the devising of alternatives to formulate socially just policy responses. This unit prepares you for real world policy transformatory practice by extending on knowledge from early policy units to develop analytical and advocacy skills to influence policy decisions and communicate socially just policy alternatives through policy writing, research and advocacy.

**SWH401 Social Research for Social Change**

Pre-requisites	SWB100 or HHB100
Equivalent s	SWB401
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

Social service organisations are increasingly interested in methods for evaluating and authenticating program outcomes. Furthermore, professionals in these organisations need processes and procedures to analyse and address practice problems and contribute to the evaluation and development of models for service delivery. This unit equips you with knowledge and skills to investigate models of service and practice questions and to develop

recommendations for change. A range of particular methods for developing, evaluating and improving models of social service and social care delivery will be examined including reflective practice, participatory action research, service evaluation and quality assurance processes, and the use of empirical research to inform practice. You will be able to apply methods learnt to a range of service delivery and practice contexts.

**SWH404 Complexity in Social Work and Human Services Practice**

Pre-requisites	(SWB201 or SWB321 or SWB317) and SWB219. SWB219 can be studied in the same teaching period as SWH404
Equivalent s	SWB404
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit builds your capacity to integrate your learning across the course, and to refine your critical framework for practice. You will explore complexity present in contemporary social-eco problems, such as climate change, structural disadvantage, and poverty, which shape the lives of people, communities and organisations. Social workers and human service workers are at the forefront of responding to these complex issues, and integrating complexity thinking into their practice. This unit extends on and integrates



knowledge and theories, values, ethics and different practices learnt across the course journey.

### SWH405 Critical Social Work Literature Review

Anti-requisites	HHB411
Equivalent s	SWB405
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit provides an opportunity for students to undertake a literature review on a topic negotiated with the unit coordinator. By undertaking this unit, students will develop specialised knowledge in a focused area of social work. In addition, students will develop specific expertise in the process of conducting a literature review. Please note this unit has a particular function for Bachelor of Social Work (Honours) students who will utilise this unit to conduct a literature review to inform their honours research. Honours students should discuss the topic of their literature review with their honours supervisor so that it best contributes to their honours pathway. Other students undertaking this unit should identify some topic preferences and are encouraged to discuss these with the unit coordinator prior to the commencement of semester.

### SWN002 Introduction to Social Work Practice and Contexts

Pre-requisites	SWN018. SWN018 may be studied in the same teaching period as SWN002
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This introductory unit initiates your foundational understanding of the professional discipline of social work as the beginning step in constructing your professional identity. Understanding contemporary social, economic and political contexts is fundamental knowledge for effective social work practice. Developing a critical analysis of society and its associated structural inequalities, as well as a capacity for self-awareness and reflection on one's own values and assumptions are integral for ethical social work practice. The unit is positioned strategically to allow you to locate your learning and professional aspirations within a rapidly changing and uncertain global context.

### SWN003 Community and Policy Practice

Pre-requisites	SWN018 and SWN002
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1 (Block)

The commitment by social workers to social justice in the modern welfare state is the cornerstone to creating inclusive community change efforts and fair social policy

responses. This unit provides you with opportunities to re-orient your practice by using critical theory to research and analyse 'big' policy issues of poverty, inequity and social exclusion that impact on the lives of vulnerable groups. In developing your critical approach, you will better understand the nature and construction of social problems and formulate change responses through the design, implementation and evaluation of socially just community change and social policy strategies. This unit prepares you for moving from research and analysis of social problems and key change ideas to the consideration of the potentials and challenges of community action strategies and social policy solutions.

### SWN004 Communication and Engagement in Professional Contexts

Pre-requisites	SWN018. SWN018 may be studied in the same teaching period as SWN004.
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1 (Block)

This unit compares a range of practice approaches used in individual and community work when responding to trauma, bereavement and crisis. The implications of utilising these contrasting practice approaches for counselling and community development practice will be explored in depth in relation to a range of different presenting concerns



## Units

including grief and loss, domestic violence, sexual assault, mental health issues, cultural violence and substance abuse. Gender sensitive and anti-racist practices will also be considered in responding to people experiencing grief, trauma and crisis. Application, critical reflection and evaluation of approaches to counselling practice using knowledge and skills associated with client centred, narrative (response based) and feminist approaches will be emphasised. Because the development of core practice knowledge and skills is required for professional placement, your full participation in all learning activities is expected and required.

### SWN005 Health, Wellbeing and the Human Condition

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1 (Block)

Health and wellbeing are central to living a good life. In all fields of social work practice, the health, mental health and wellbeing of our clients is a key focus. It is important for social workers to understand, advocate for, and apply a 'social lens' that integrates biological elements with the social, psychological, cultural, and spiritual dimensions of health, mental health and wellbeing. This unit addresses core knowledge and skills required to be effective social workers in the broader health context, with

consideration of issues arising at micro, meso, and macro levels. It also contains specific AASW-required mental health curriculum and assessment.

### SWN013 Professional Practice 3

Pre-requisites	SWN005 and SWN006 and SWN010 and SWN011 and SWN012
Credit Points	24
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1 (Block), SEM-2

This Professional Practice unit is the synthesis of your whole social work course education as you prepare to transition into your professional career. This unit makes up the final practicum experience of 500 hours, building on the experience gained in the first practicum. Demonstration of skills, knowledge, and professional attributes necessary for safe, high quality and ethical practice in accordance with the AASW Practice Standards and Code of Ethics is expected in order to graduate as critically reflective social workers. Tasks and responsibilities are completed under the guidance and direction of a social work supervisor and supported through university integration seminars, culminating in the development and articulation of your emerging social work practice framework.

### SWN018 Theories and Frameworks for Social Work Practice

Credit Points	12
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Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit builds literacy of a range of theories, models and perspectives relevant to critical social work practice. Power, oppression and privilege are key concepts. An historical overview will be provided to contextualise contemporary social work practices. For example, from the Charitable Organisation Society we have inherited case work, from the Settlement Movement we have incorporated neighbourhood work and community work, and from the Fabians, we considered how to use social policy to address major social problems such as poverty, unemployment and homelessness. With the emergence of alternative and critical influences, such as Marxism, feminism and anti-racism from the 1960s, increasing importance was given to environmental factors influencing the life chances of individuals. From these competing perspectives we must be able to coherently articulate our preferred perspectives with explicit reference to social justice and the AASW Code of Ethics.

### SWN019 Research for Social Change

Pre-requisites	SWN002
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

All qualified social workers need to have an appreciation

of the relevance of research for practice, particularly given the emphasis on evidence-based practice in the field. Research can provide one form of evidence, alongside other sources of knowledge, to inform practice decision-making about efficacious approaches. Research also plays a role in highlighting alternative ways of addressing individual and social needs, as well as providing a foundation for advocacy and social change. This unit builds on SWN002 and prepares you for SWN020 where you will implement the research project you design in SWN019.

**SWN020 Practice Research Project**

Pre-requisites	SWN019
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit synthesises the knowledge and skills gained across your degree, in particular your learning in SWN019 Research Skills for Social Work. Research skills are a required competency for Social Workers. There is increasing expectation regarding critical analysis of evidence informing practice, hence social workers need to demonstrate the efficacy of their practice. Social workers need to not only have an understanding of relevant social research methods but also be capable of implementing these methods to produce research outcomes of

significance. Within this unit you will design and implement a research project in a rigorous and ethical manner. This research project is a major scholarly endeavour and serves as a critical component of the capstone experience as it assesses the application of your 'whole of course' knowledge, skills and values and aligns with the completion of your final placement and your Professional Learning Plan.

**SWN021 Professional Practice 1**

Pre-requisites	SWN018 and SWN002 and SWN004
Credit Points	36
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

Demonstrating ability to apply values, knowledge and skills to work effectively with colleagues and clients is a key component of the social work degree. This first 500- hour practicum provides the opportunity to consolidate your learning from the first semester of the degree through working in real world practice settings. This is important because it allows you to develop your identity as an emerging critically reflective social work practitioner. Under the guidance and direction of a qualified field educator, you will acquire capabilities necessary for safe, high quality and ethical practice in accordance with the AASW Practice Standards and Code of Ethics. Learnings from practical experiences are will set the foundations for your final

practicum in the last semester of the degree. University integration seminars support linking theory to practice, culminating in the development and articulation of your emerging social work practice framework.

**SWN022 Professional Practice 2**

Pre-requisites	SWN021 and SWN005 and SWN024
Credit Points	36
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This Professional Practice unit is the synthesis of your whole social work course education as you prepare to transition into your professional career. This unit makes up the final practicum experience of 500 hours, building on the experience gained in the first practicum. Demonstration of skills, knowledge, and professional attributes necessary for safe, high quality and ethical practice in accordance with the AASW Practice Standards and Code of Ethics is expected in order to graduate as critically reflective social workers. Tasks and responsibilities are completed under the guidance and direction of a social work supervisor and supported through university integration seminars, culminating in the development and articulation of your emerging social work practice framework.

### SWN023 Social Work with Aboriginal and Torres Strait Islander Peoples and Communities

Pre-requisites	SWN002
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Aboriginal and Torres Strait Islander peoples and communities experience significant oppression within the Australian context and consequently are over-represented in many of the fields of practice in which social work is engaged. Social work has contributed to this oppression through its implementation of oppressive policies. For social workers to work in an anti-oppressive manner with Aboriginal and Torres Strait Islander peoples they require an in-depth understanding of colonisation and related oppressive policies and practices, social work's historical role in implementing these policies and practices, contemporary invitations to continue to oppress through practice, and an understanding of how this historical and contemporary context continues to impact on the experiences of many Aboriginal Australians and Torres Strait Islander peoples. This introductory unit provides you with the foundation for reflexive and reflective anti-oppressive practice with Aboriginal and Torres Strait Islander people; understanding how your own socio-cultural positioning, professional identity, and

organisational context may impact on your work with Aboriginal and Torres Strait Islander peoples as colleagues and clients.

### SWN024 Child, Youth and Family Practice

Pre-requisites	SWN004 and SWN018
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Social workers work with children, young people, and families in many different contexts, requiring a broad range of knowledge and skills. This unit provides you with core knowledge and skills required for working with these groups.. The unit uses a multidimensional approach in understanding and responding to the complexities of micro, meso and macro experiences. This unit uses a multidimensional approach to understanding the experiences and life course of children, young people, and families. Factors which contribute to vulnerability, such as poverty, domestic, family and community violence, and disability are explored. Skills in working with people of differing ages and family groupings are introduced. The unit builds on the communication and helping process skills developed in SWN004, and draws on the theories introduced in SWN018. Content and skills specifically intersect with mental health curricula in SWN005 and the impacts of colonisation in SWN023.

### SWN025 Critical and Ethical Practice in Organisations

Anti-requisites	SWN006, SWN008
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Ethical practice is central to the social justice and emancipatory social change values of the social work profession. Within globalised, neoliberal contexts, it is fundamental that you develop sound skills in critical analysis and critical reflection to carry out ethical practices in organisations. The unit has a focus on developing an understanding of ethical practice in organisations, informed by critical social theories, using a critical incident from practice experience as a platform to develop your practice framework. The emphasis is on learning critical reflection both as a method of practice and method of research to enable you to undertake critical social work in neoliberal contexts, and develop research skills to contribute to professional practice and scholarship.

### USB141 Building Big

Equivalent s	UDB141
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Building Big builds on the construction fundamentals



covered in the unit UXB110 Residential Construction and further develops these concepts and applies them to the industrial property, retail centres, high rise commercial and high rise residential property. The unit provides the construction and design background that defines good quality building materials, design, layout and construction. These concepts will provide the basis for the understanding of how construction type and quality are reflected in the market demand and value of these property types from a development, valuation and investment perspective.

### USB142 Residential Valuation

Anti-requisites	UDB140, USB140
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Residential Valuation is an introductory unit in the Property Economics degree and provides the foundation skills and knowledge that will be the basis for the study of future units in property areas such as valuation, property development and property market analysis.

### USB143 Money and Wealth

Anti-requisites	USB241
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Money and Wealth provides

the foundation academic skills and knowledge to understand how accounting and investment interacts with the day to day valuation and property professions and how these principles of accounting can assist in the analysis and interpretation of the financial aspects of going concern valuations and property ownership and management.

### USB144 Investment Valuation

Pre-requisites	USB140 or USB142
Anti-requisites	USB242
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Investment Valuation is an intermediate unit in the Property Economics degree. The unit builds on the preliminary property fundamentals covered in USB142 Residential Valuation, expanding those key concepts to income producing and investment grade assets. This unit develops an understanding of the various commercial market sectors and how various features of these markets impact on the value of a property asset. The valuation methodologies used to value investment grade assets are also applied. The knowledge of this unit will be further developed in USB245 Property Investment Analysis, USB247 Money and Property and USB345 Specialised Valuation.

### USB145 Property Transactions

Anti-requisites	USB246
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Property Transactions provides the foundation knowledge to understand the fundamentals of property rights and the legal rights and responsibilities for a property professional participating in property transactions. You will develop an understanding of contracts associated with buying, selling and leasing property and how to maintain best practice to avoid exposure to legal liability. In addition you will be introduced to legal structures for the delivery of property development and investment projects.

### USB240 Market Analysis

Pre-requisites	BSB113 or UDB104
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

Market Analysis builds on the knowledge and technical skills developed in the foundation property and valuation units (USB142 and USB144). You will apply demographic, economic and key urban economic theories and policies in the property market environment. Understanding property markets will assist in the creation of marketing and investment strategies to meet targeted consumer supply and demand. You will gain



knowledge and skills on how to conduct property market research, collect and analyse property data to support creative solutions and interpret the findings from a range of research publications. The knowledge of this unit will be further developed in USB245 Property Investment Analysis, USB300 Development Process and USB344 Property Project.

### USB241 Money and Wealth

Credit Points	12
Campus	null

Money and Wealth provides the foundation academic skills and knowledge to understand how accounting and investment interacts with the day to day valuation and property professions and how these principles of accounting can assist in the analysis and interpretation of the financial aspects of going concern valuations and property ownership and management.

### USB243 Property Legislation

Pre-requisites	USB242
Equivalent s	UDB241
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

A practicing property professional and property valuer needs a good understanding of several areas of property related legislation to be able to manage and avoid

risk, identify property and valuation legal issues as they arise and identify when specialised legal counsel is necessary. This unit focuses on extending and applying the theoretical knowledge obtained in Experience Property and Urban Development Law to explore how Commonwealth and State legislation is applied to property practice., with a particular focus on statutory valuation and compulsory acquisition/resumption.

### USB244 Asset Performance

Pre-requisites	Completion of 96 credit points or more of study
Equivalent s	UDB344
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Asset performance provides a good grounding in property and asset management, as it applies to the diverse real estate property sectors and to demonstrate how property asset performance can be maximised, measured and benchmarked. Efficient asset management can result in significant cost benefits to both the owner and the occupier of the property. There has been a growing property industry awareness of the need to develop reliable, accurate and professional property management systems and analysis tools to ensure that property occupation costs are minimised, and space allocations are maximised in

accordance with the short, medium and long term business goals of the organisation or company.

### USB245 Property Investment Analysis

Pre-requisites	USB144 or USB242
Equivalent s	UDB246
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit aims to provide students with an understanding of the investment markets and the role of property as an investment asset class. The unit further develops the skills and techniques required for the analysis of property investment objectives, strategies, and performance. The students will explore the concepts of return and risk, the discounted cash flow (DCF) analysis, the basics of investment decision (NPV, IRR, Financial ratios), measurement of property investment performance, the impact of financing and taxation on investment returns, portfolio theory and the role of real estate in mixed asset portfolios. This unit will help students develop the understanding and skills necessary to become successful property investment analysts and/or investors.

### USB246 Transaction Process

Credit Points	12
Campus	Gardens Point,

## Units

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Property sale, acquisition and leasing transactions are a fundamental to property development, investment and valuation activities. An understanding of the elements of these transactions and the roles and responsibilities of the various stakeholders is essential to all practicing property professionals and will enable the property professional to act responsibly to best represent their own or their client's interests and investment. The aim of the unit is to develop your understanding of property sale, acquisition and leasing transactions and the roles and responsibilities of the various stakeholders throughout the process.

### USB247 Money and Property

Pre-requisites	USB144 or USB242
Anti-requisites	USB341
Credit Points	12
Campus	Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1

Money and Property further develops your understanding of property investment and financing techniques and the place of property assets within the capital markets. It is important to understand the role and nature of property finance as it affects all aspects of property ownership,

management, use and development. Due to its distinct characteristics of each asset class, debt and equity financing plays a major role in investment decisions. As such, this unit seeks to provide an understanding and competency in property finance fundamentals.

### USB300 Property Development

Pre-requisites	192 Credit Points
Equivalent s	UDB302
Credit Points	12
Campus	External
Availabilities	<b>External</b> - XCH-2

Property Development provides understanding of property development, which is fundamental to the practice of property professionals. This unit brings together concepts gained on strategic evaluation, risk, organisational structure, planning, construction and development feasibility analysis. This unit provides an in depth look at the multi-disciplined, multi-faceted process involved in property development from site selection through to disposal of completed projects.

### USB341 Money and Property

Pre-requisites	USB245 or UDB246
Equivalent s	UDB341
Credit Points	12
Campus	null

This unit provides the analytical tools and skills necessary to understand property finance

and investment and the role of property assets within capital markets. You will explore debt and equity markets linked to property assets including: features of mortgage loans, bank lending criteria, and mortgage math; and look at the historical development of secondary mortgage markets and the process of securitization. You will analyze the key factors that drive default risk and interest rate risk on mortgages and learn the basic principles for the valuation of mortgage-backed securities. The causes and consequences of the 2008/09 global financial crisis, and the implications for both commercial and residential property finance, will be discussed. You will also study property funds and Real Estate Investment Trusts (REITs), which are the primary equity structures used for real estate and learn the legal and institutional framework of Australian REIT industry, tax issues, and REIT valuation.

### USB342 Property Software

Pre-requisites	USB245
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit is an advanced level unit that requires to draw on your prior property economics learnings to analyse and interpret the outputs of the software packages you will be learning to use as part of this

## Units

unit. The unit familiarise you with a range of property industry software used in the real world and to develop your competencies in its use, application and analysis.

### USB344 Property Project

Pre-requisites	192 Credit Points
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is the capstone unit for the Property Economics degree and draws together the theory, practice and property fundamentals that have been covered in the units studied to date. The unit is intentionally linked to previous units and current industry issues and problems. This unit provides opportunity for professional development through conduct of research projects and prepares you for transition to the professional world and/or to an Honours degree.

### USB345 Specialised Valuation

Pre-requisites	USB144 or USB242
Anti-requisites	USB343
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

Specialised Valuation is the capstone valuation unit and applies the valuation principles and procedures developed in USB142 Residential Valuation and USB144 Investment Valuation, to the more complex property classes such as rural

land and the valuation of specialist properties that are based on the profit generated from the businesses operating from these properties.

### UXB100 Design-thinking for the Built Environment

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

In this introductory unit, you will gain a big picture view of the strategies and interactions that influence the sustainable development of the built environment. Using design-thinking, you will consider the end user of built spaces and the social and cultural impacts of decisions at every stage of the project development and planning process. You will analyse problems and consider various innovative solutions. You will learn appropriate terminology and communication strategies to communicate and negotiate with diverse stakeholders including clients, design managers, architects, project managers, urban planners, construction managers and quantity surveyors and cost engineers. You will also learn how and when these roles intersect and how you can have a strategic impact on the project development and planning process.

### UXB110 Residential Construction

Equivalent s	UDB110, DAB212
Credit Points	12

Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit develops your knowledge, skills and application for residential construction management. The unit introduces current domestic construction techniques and materials that are the core of any construction process. You are taught to read plans and build a house by studying construction theory and legislation, visiting building sites, and sketching construction details. This first year unit complements UXB100 and prepares you for Integrated Construction Management and Commercial Construction Management.

### UXB111 Imagine Construction Management

Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

Imagine what your future construction management career will be like. This unit introduces you to the essential professional skills and practices you will need throughout your studies and professional career in construction, and provides a sense of identity as a construction management professional. Key concepts such as fundamentals of construction management,

## Units

occupational health and safety, professional practice, ethics and sustainability are explored.

### UXB112 Introduction to Structures

Equivalent s	UDB111
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is an introductory level unit that introduces structural and non structural materials used in the construction process. Most common types of construction engineering materials (timber, building boards, fibre composites, concrete, masonry, metals, ceramics, glass and granular materials) used to create modern structures are introduced and their basic properties, construction applications, behaviour, strength, durability, suitability, sustainability and limitations are discussed. The knowledge for which is vital for the construction of any building project. The unit also provides foundation to the design of structures through introduction to the statics at an elementary level. The unit develops strong foundation to the construction management disciplines and further studies on the design of structures.

### UXB113 Measurement for Construction

Equivalent s	UDB113
Credit	12

Points	
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit is predominantly concerned with the activities undertaken by construction cost management professionals in preparing Bills of Quantities (BQs) for construction work of a simple nature. It teaches you to how formally measure to BQ items for residential and small commercial building works in accordance with the Australian Standard Method of Measurement in the context of the tendering/procurement process. The unit also provides a basic appreciation of virtual building graphical models as they relate to integrated practice concepts used in industry, by way of the graphical representation and spatial relationships of digital building models, and an introduction to cost management/building area measurement. The unit is an integral part of the Quantity Surveying-Cost Engineering degree, in linking with foundation units in construction technology and preparing you for further advanced units in building and infrastructure measurement and construction estimating.

### UXB114 Integrated Construction

Equivalent s	UDB112
Credit Points	12
Campus	Gardens Point,

	EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is a foundation unit integrating residential/ small commercial construction processes in a collaborative digital environment by utilizing building information modelling and related technology. The ability to use building information modelling and related technology in construction processes in a collaborative digital environment involving a project team from different disciplines is important to work in the industry. This unit prepares you for UXB211 Building Services and other units.

### UXB115 Introduction to Modern Construction Business

Anti-requisites	UXH314
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit explores the role of construction firms as business entities in the construction industry. It introduces the business, social and economic environments in which construction firms operate, and the industry-specific challenges of growing and managing a socially responsible, forward thinking and profitable construction business. The ability to develop a business plan to competently guide business direction and growth is a core skill needed to navigate the dynamic and



## Units

competitive nature of construction business. Key elements of the business plan include a competent analysis of the market, identifying and engaging key stakeholders, mitigating business risks and opportunities, and build a caring and inclusive corporate culture. This is an introductory unit and the knowledge and skills developed are relevant to construction management and related majors.

### UXB120 Introduction to Heavy Engineering Sector Technology

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit introduces resource sector technology associated with on and off Shore Oil and Gas (LNG), open cut and underground mining and power generation and distribution infrastructure including processing plants/plant design and infrastructure systems. Students will also develop introductory knowledge of safety and risk management within these sectors and develop an appreciation of mineral economics. It links to the work being undertaken in units Imagine Quantity Surveying and Cost Engineering.

### UXB121 Imagine Quantity Surveying and Cost Engineering

Equivalent s	UDB216
Credit Points	12
Campus	Gardens Point

Availabilities	<b>Gardens Point</b> - SEM-2
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This unit introduces the broad scope of contemporary quantity surveying activity and cost engineering. It focuses on three broad areas of professional quantity surveying and cost engineering and in doing so, considers the similarities and differences across Quantity Surveying and Cost Engineering. Firstly, what it means to be a professional is considered including image and status, fees, codes of ethics, professional competence and continuing professional development. Secondly, ways in which professionals engage with a workplace including terms of appointment are explored. Finally, the work of quantity surveying and cost engineering takes place within a social and environmental context and the unit will relate interactions between business and environmental interests including the natural environment, environment economics and ecologically sustainable development.

### UXB130 History of the Built Environment

Equivalent s	UDB162, DYB114
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

During this unit you will examine the interactions of forces and events that act to

produce elements of the built environment, and actively explore the role played by the built environment in shaping human history through the use of historical examples from around the world. The development of your professional understanding of our built environment is based in an appreciation of the role that you will play as part of the ongoing historical processes that shape human settlement patterns. In particular it is important to actively explore the social and environmental forces involved in the evolution of the many ways that the built environment expresses itself both across time and in different locations. The aim of this unit is to explore the role played by culture, technology, and the environment in the historical development of cities and regions.

### UXB131 Planning and Design Practice

Anti-requisites	DEB101
Equivalent s	UDB161
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit will provide you with an understanding of how the environment informs the decisions and activities of built environment professionals. You will be introduced to principles, tools, and approaches for the identification, assessment and management of environmental impacts and environmental

risk. Through interaction with practitioners, you will learn about theories for environmental decision making and gain knowledge about the application of theories for environmental planning and management in practice. Lectures present environmental planning issues, policies, and methods. You will engage in dialogues on contemporary environmental dilemmas, exploring ethical and practical aspects that underpin conflict in environmental policy-making processes. Computer labs will refine the skills you acquired in site analysis units, providing you with tools to facilitate collaborative problem-solving with spatial models. This unit will aid your preparations for professional practice.

### UXB132 Urban Analysis

Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This is a foundation unit that provides opportunities for acquiring, refining and applying quantitative, qualitative and spatial skills required for analyses of cities and regions. The unit introduces techniques required to undertake thematic and emergent qualitative analyses, descriptive statistics, communication and analyses of spatial data, use of software in professional practice of urban analyses, and contemporary real-world urban analyses. Gaining skills to confidently apply these

techniques is critical for an urban planning practitioner whether working in public or private sector. The unit also helps in gaining knowledge and skills in managing collaborative projects using structured timelines and assistive technologies, reflecting on collaboration in a clear and professional manner to communicate growth in skills and competencies, and interpreting, synthesising and effectively communicating data analysis results to inform policy.

### UXB133 Urban Studies

Equivalent s	UDB164
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit introduces you to the various demographic, economic, social and physical aspects of our cities to help understand the nature of cities we live in. You will be exposed to various theoretical perspectives focusing on the growth and development of cities and their regions, with an emphasis on their spatial structure and the spatial distribution of population, land uses and economic activities within them. You will develop your knowledge and skills in understanding the growth and development of cities, using real-world examples.

### UXB134 Land Use Planning

Equivalent s	UDB163
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This is a foundation unit that provides opportunities for acquiring, refining and applying knowledge of and skills in land use planning and geographic information system in an integrated way. The unit introduces spatial analysis techniques required to undertake contemporary real-world urban analyses required for land use planning. Gaining skills to confidently apply spatial analysis techniques in land use planning is critical for an urban planning practitioner whether working in public or private sector. The unit also helps in gaining knowledge and skills in analysing substantive theoretical and practical concepts involved in land use planning, evaluating data and applying regulatory frameworks to inform land use decision-making, communicating land use planning concepts both visually and in writing, and proposing solutions to complex land use problems.

### UXB135 Negotiation and Conflict Resolution

Equivalent s	UDB369, UXB232
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

Conflict, whether explicit or hidden, underlies all decisions,

such that development of conflict management and negotiation skills is essential for those tasked with shaping the built environment. In this unit, you will acquire skills in effective communication, analysis of disputes and creative problem-solving through active participation in role-playing and reflective activities and intense investigation of real world conflicts that arise through the development of land. Learning to think about and respond to conflict in a rational manner will prepare you for group work within your studies and into professional practice. This unit is placed within the first year of the urban and regional planning course to ensure that students build negotiation and conflict resolution skills in advance of engaging in work placements. Stakeholder Engagement and Planning Law units undertaken in the second year of the course build on this unit.

**UXB210 Commercial Construction**

Pre-requisites	UXB110 or UDB110
Equivalent s	UDB210, DAB311
Credit Points	12
Campus	EXCHANGE, Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is a fundamental construction management unit that provides you with extensive theoretical knowledge to understand

concepts, principles, and construction techniques and procedures to commercial construction. It critically evaluate projects in terms of procurement, constructability, construction methodology, planning, scheduling techniques and site organisation. The ability to manage and supervise the construction process of a cross section construction types such as low rise residential apartment buildings and commercial and industrial buildings is an essential requirement for construction management professionals. The knowledge and skills developed in this unit are relevant to both construction management and quantity surveying and cost engineering and build upon earlier units in residential and integrated construction, building services, preparing you for further advanced units in design for structures and high-rise construction management.

**UXB211 Building Services**

Equivalent s	UDB215, DAB312
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This foundational construction management unit focuses on fire, mechanical and electrical services in preparation for further advanced units in Commercial & High-rise Construction and Services and Heavy Engineering

Measurement. It introduces fire detection, suppression and control; building hydraulic services including water supply, hot and cold water reticulation, stormwater, and sanitary waste disposal systems; types of ventilation; air-conditioning systems and heating and installation procedures; electrical transformers, mains, sub-mains, switchboards, protection devices, power and lighting systems, data, communication, and security systems; systems monitoring; and energy management and efficiency. You will learn how to interpret building services drawings; evaluate services systems; apply calculation methods to critically analyze building services elements and propose solutions to related problems.

**UXB212 Design for Structures**

Pre-requisites	UXB112 or UDB111
Equivalent s	UDB211
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This is an intermediate level unit addressing the basic principles of structural engineering applicable to basic structure. Quantitative and qualitative techniques are used as the basis for learning structural analysis. Construction Managers must have the ability to analyse engineering

components and have a sound understanding of how a structure achieves structural stability through load paths. Furthermore, Construction Managers are required to interpret engineering designs and convert the designer's intent and components specified, into a project. This demands proper understanding of structural actions and basic design and analysis of simple structures to ensure economy and safety. This unit introduces these concepts and builds upon knowledge of materials from UXB112 Introduction to Structures. It develops the learning skills to manage increasingly complex projects in later units.

**UXB213 Advanced Measurement for Construction**

Pre-requisites	UXB113 or UDB113
Equivalent s	UDB212
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Measurement is a core skill and attribute among building and infrastructure professionals, particularly important in relation to the production of descriptive and quantified documents within the design cost management process for the purposes of tendering, estimating and construction cost management practices within the construction and infrastructure sectors. This unit develops a

deeper appreciation of the measurement of more complex work sections and trades and the development and application of suitable and accurate construction cost management documents in a concise and systematic manner. More advanced strategies will be explored with virtual building graphical models as they relate to integrated practice concepts used in industry. This unit builds on the measurement attributes developed in the first year studies and prepares you for further advanced units in Services & Heavy Engineering Measurement, construction estimating and other Cost management areas.

**UXB220 Services and Heavy Engineering Measurement**

Pre-requisites	UXB213 or UDB212
Equivalent s	UDB315
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit develops deeper knowledge, skills and application of the measurement of more complex areas of services and heavy engineering including building services (hydraulics, drainage, mechanical and electrical) and heavy engineering works within the resources and infrastructure sectors. It builds on units previously undertaken in the earlier years of the course such as the Measurement of Construction, Heavy Engineering Sector

Technology and Building services.

**UXB230 Site Planning**

Pre-requisites	UXB131 or DEB101 or UDB161
Equivalent s	UDB265
Credit Points	12
Campus	Gardens Point and External
Availabiliti es	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1

The objective of this unit is for you to learn, practice and apply site planning processes, techniques and skills on a selected project site. Topics include information retrieval, site appraisal and analysis techniques, constructive critique, and presentation skills.

**UXB231 Stakeholder Engagement**

Pre-requisites	(UXB133 or UXB134 or UDB163 or ENB274 or EGB274) and 96 credit points of study completed
Equivalent s	UDB266
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is a core planning unit that will address the theory, principles and methods for effective stakeholder engagement in planning processes. It introduces when and how to use different engagement methods to address planning conflicts and gain important practical experience in stakeholder



engagement.

### UXB233 Planning Law

Pre-requisites	96 Credit Points of study
Equivalent s	UDB267
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1

You will be provided with the opportunity to develop an understanding of the basic political, policy, and legislation essential for planning professionals, whether they work in the public or the private sector, and the capacity to apply this understanding to basic development assessment related problems. Your capacity to understand the law as it relates to the regulation of development and the planning of infrastructure is integral to being a built environment professional. Your grounding in the legal framework surrounding planning and development is an important aspect of professional development, particularly with respect to employment that requires skills related to development assessment, and urban policy development.

### UXB234 Transport Planning

Pre-requisites	Completion of 96 credit points of study
Equivalent s	UXB332
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-2

This unit introduces you to

transport systems in selected cities around the world, facilitating investigation into schemes and policies for promoting sustainable transport. The unit also assists you to integrate transport modelling theory with a set of analytical approaches which are frequently used in transport planning practice, including revealed and stated preference approaches. You will learn to design data collection instruments, analyse transport-related data, and communicate results effectively.

### UXB301 Professional Practice

Pre-requisites	Completion of 96cp in current course
Credit Points	12
Campus	Gardens Point
Availabiliti es	<b>Gardens Point</b> - SEM-1, SEM-2

Professionals need technical and generic skills, as well as real world knowledge, to thrive in contemporary professional workplaces. Much of your course focuses on the development of your technical skills and understanding of your field. This unit, generally undertaken in the penultimate or final year of your course, requires you to undertake a self-sourced work placement or engage in ongoing professional work experience to consolidate your course-based learning. In tandem with or following such experience, students enrol in this unit to refine their reflective and communicative skills, formulating effective statements of their experience suitable for inclusion in job applications. Assessments in

this unit require you to critically analyse, report and reflect upon your professional practice experience, considering issues and governance in your chosen field and determining a professional development plan to help guide your career.

### UXB330 Urban Design

Pre-requisites	192cp of completed study
Equivalent s	UDB368, DAB202 - DAB202 explores content specific to the Design course, therefore credit will not be granted for DAB202 based on completion of UXB330
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabiliti es	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

In this unit you will study the dimensions of urban design and learn techniques in urban design and public space analysis to produce informed urban design strategies that respond to the social, economic, environmental and political context of contemporary Australian cities. Urban designers work with a variety of public and private stakeholders and confront a range of issues that impact urban development outcomes. An understanding of the influences on urban design decisions is necessary to prepare you to work in this context.

### UXH300 Research Methods for the Future Built Environment

Pre-requisites	Completion of 192 credit points of study
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## Units

Equivalent s	UDB301
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit will provide you with an overview of research theory, philosophy, methodology and future-oriented applications. It will guide you in the creative, holistic mindset that underlies successful innovation in scholarship and to explore how critical and innovative thinking can improve the research process to make us more innovative problem solvers. Research skills and knowledge is becoming increasingly important nowadays with the built environment professions needing to stand up to new and different challenges triggered by rapidly changing socio-economic, environmental, cultural, political, and technological/digital trends. This is a capstone unit and the knowledge and skills developed in this unit are relevant to all built environment majors. You will apply the critical and innovative thinking skills that you have developed in this unit to your own research questions, and further consolidate and carry forward this approach to your capstone project in UXH400-1 and UXH400-2.

### UXH310 High-rise Construction

Pre-requisites	UXB210 or UDB210
Equivalent s	UDB310
Credit Points	12
Campus	Gardens Point

Availabilities	<b>Gardens Point</b> - SEM-1
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This unit covers the construction of high-rise buildings – generally buildings above 12 storeys high. The major differences from other buildings lie in the impact of increased height on design and construction processes, with structural systems, services and safety being the most significant. The topics covered include: •%emsp;demolition; •%emsp;temporary services; •%emsp;deep excavations and foundations; •%emsp;retention and shoring systems; •%emsp;general engineering of structural components; •%emsp;multilevel formwork systems; •%emsp;selection of construction methods and equipment; •%emsp;interaction of building components, systems and services; •%emsp;common building faults and failures and rectification; •%emsp;external cladding systems; •%emsp;general cost planning relevant for high rise construction. This unit builds upon the principles and theory learnt in Commercial Construction, Designing Structures, and Building Services.

### UXH311 Contract Administration

Pre-requisites	LWS012 or UDB102 or EN40MJR-CVCOENG or EN01SMJ-CONSTRU or EN01SMJ-STRUENG
Equivalent s	UDB312
Credit Points	12
Campus	Gardens Point, EXCHANGE and External

Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2
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This unit develops knowledge, skills and application in the administration of construction type contracts which represents one of the core applications for construction managers, quantity surveyors and cost engineers. To gain an appreciation of the commercial implications of contract administration you will study administrative implications for both parties to the contract. It links to the work previously undertaken in the earlier years of the course such as Introduction to Law and Commercial Construction and prepares you for the final semester projects.

### UXH312 Construction Legislation

Pre-requisites	(LWS012 or USB145) and (UXB210 or USB141)
Equivalent s	UDB314, UXB312
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit introduces the Australian statutory requirements, building laws and legal frameworks that regulate building works and construction activities to provide a broad understanding of how the mandatory technical requirements dictate the selection of the materials, construction elements, facilities and services in buildings. It articulates the potential risks and issues associated with

non-conformance and non-compliance and their impact on project cost, time, and quality. The ability to identify, assess and resolve issues of non-compliance in relation to the application of National Construction Code (NCC), relevant building act, Australian Standards and associated legislative frameworks is critically important to achieve the minimum necessary performance requirements of buildings in relation to health, safety, amenity and sustainability. The knowledge and skills developed in this unit are relevant to building professional practice in all areas of the built environment.

### UXH315 Construction Estimating

Pre-requisites	UXB113 or UDB113
Anti-requisites	UDB213, UXB214
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

A third year construction management unit focusing on construction cost quantification techniques linking to previous years' basic work and understanding. It includes an introduction to the interrelationship between professions in estimating and the techniques available to quantify cost; definition of the fundamental elements of cost and the methods of evaluating labour, materials, and equipment; assessing base estimates for major trades; assessment of offers from sub-

contractors and implications for the tendering process; first principles estimating; review of an estimate; subsequent negotiations and application of estimating to variations and profit monitoring; outcome performance indicators; and introduction to current industry practice, tools, and technology.

### UXH321 Cost Planning and Controls

Pre-requisites	UXB114 or UDB112
Equivalent s	UDB316
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-2

This unit applies the fundamental principles of cost management including design and construction cost planning (pre-construction) and project controls (during construction), including important techniques in managing project cost in the context of working closely in multidisciplinary teams. It covers cost management in both building and non-building sectors (for example, civil engineering and resource sectors).

### UXH331 Environmental Planning

Pre-requisites	(UXB230 or UDB265) or (ENB274 or EGB274 or DLB600 or DAB525)
Equivalent s	UDB370
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b>

- XCH-1, XCH-2

This unit increases your understanding of environmental analysis and planning issues, policies, and methods, aiming to prepare you for incorporation of environmental objectives and constraints in professional practice. In this unit you will engage in dialogues on contemporary environmental dilemmas, exploring ethical and practical aspects which underpin conflict. You will further refine skills acquired in site analysis units by learning to create and modify spatial models to facilitate collaborative problem-solving. These skills will aid in preparations for final year planning studio units as well as professional practice.

### UXH400 Project - Part A

Pre-requisites	288 cp of completed study and UXH300. UXH300 may only be studied in the same teaching period as UXH400-1 with approval from the Unit Coordinator.
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

UXH00-1 Project - Part A and UXH00-2 Project - Part B are a 24 credit point capstone sequence for the Bachelor of Urban Development (Honours) course. These units draw together knowledge that you have accumulated in the previous six semesters of the course, and prepare you for your transition from university to the professional world or into postgraduate research study.



## Units

In this unit (Part A), you will identify a problem or issue of relevance to your field and prepare a project proposal. In Part B you will complete your proposed project.

### UXH400 Project - Part B

Pre-requisites	UXH400-1
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1, SEM-2

Project 1 - Part A and Project 1 Part B are the capstone research units for the Bachelor of Urban Development (Honours) degree that draw together the theory, practice and the urban development fundamental discipline knowledge that have been covered in the coursework studied in the previous six semesters of the program. Students are required to identify a research related issue or problem and apply their learning to carry out a comprehensive, independent research based project or study which is designed to extend and broaden their understanding of the chosen issue. The purpose of these units is to prepare students for their transition to the professional world. You will be expected to demonstrate leadership/initiative, ethical and professional behaviour in this unit.

### UXH410 Strategic Construction Management

Pre-requisites	UXH310 or UDB310 or Admission to EN55
Equivalent	UDB410

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Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This fourth year unit in the Construction Management (CM) course builds on the basic and intermediate knowledge, skills and understanding already gained in earlier units of the course.

The unit is set within the real-world scenario of a medium-sized construction company that is planning to locate into a new and emerging sector of the Australian construction market and also trying to improve business growth and profitability. The learning in this unit is provided by study and practice using real-world case-studies and tools and techniques, some within a computer-based setting, that simulate the challenges, problems, issues and solutions that students will face in CM practice in the workplace.

### UXH411 Programming and Scheduling

Pre-requisites	(UXB210 or UDB211) and (UXB213 or UDB212) or Admission to EN55
Equivalent	UDB313
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This unit develops your knowledge, skills and resource planning techniques in the process of time management.

Controlling time and resources is an essential task in construction project management. This unit provides students an understanding in time management and real world practical skill sets in preparing project programs. This unit occurs in the final year of your course as it consolidates skills you have developed in the area of construction and project management.

### UXH420 Risk Management in the Energy and Resources Sectors

Pre-requisites	(UXB120 and UXH321) or UDB316
Credit Points	12
Campus	Gardens Point
Availabilities	<b>Gardens Point</b> - SEM-1

This fourth year unit in the Quantity Surveying and Cost Engineering course builds on the basic knowledge, skills and understanding already gained in UXB120 and UXH321. The unit is set within the real world scenario of the Heavy Engineering/ Capital intensive/Resources sectors, and relates to facilities management and procurement within the Engineering and Construction Management cost controls (capital expenditure/project controls) and procurement areas. It links to work previously undertaken in Introduction to Heavy Engineering Sector Technology, Cost Planning & Controls and Contract Administration and provides opportunities to undertake further research within the final



year capstone projects. The learning in this unit is provided by study and practice using real world case-studies and tools and techniques, some within a computer-based setting, that simulate the challenges, problems, issues and solutions that students will face in the QS & CE practice in the workplace.

### UXH430 Planning Theory and Ethics

Pre-requisites	192 Credit Points of completed study
Equivalents	UDB473
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This is a foundational theory and ethics unit that prepares students for planning practice and the dilemmas they will face as a professional. The substantive and procedural theories that inform how and why we plan provides a bases to justify planning in private and public practice. An appreciation of diverse views and disciplinary insights that are reflected in alternative theories of planning assists students to be able to articulate their own personal philosophy of planning and the importance of ethical behaviour and codes in professional practice.

### UXH431 Urban Planning Practice

Pre-requisites	UXB231 or UDB266
Equivalent	UDB471

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Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

Urban planners collaborate within project teams to find and implement solutions to complex contemporary issues. In this unit, we will simulate a planning consultancy with a local government client to provide strategic directions to guide the future development of a specific geographic area. You will work in small groups to prepare a proposal or a strategic planning consultancy and develop a strategic plan, relying upon a set of staged steps and support from teaching staff and industry partners. As final year urban and regional planning students, you have developed the technical and communicative skills required to undertake this work throughout your course and professional practice placements but will need to invest significant time and collaborate effectively to produce high-quality deliverables.

### UXH432 Community Planning

Pre-requisites	(UXB231 or UDB266) and 192cp of completed study
Equivalents	UDB472
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit provides opportunities for acquiring, refining and applying knowledge of and skills in community planning. The unit introduces planning techniques and urban theory applicable to communities that define successful community planning initiatives. Gaining skills to confidently apply community planning techniques in urban planning is critical for a planning practitioner whether working in public or private sector. This unit discusses principles of community planning, the relationships of community planning to community development, issues of power and participation in the planning processes, and the linkages and tensions between local and professional knowledge in planning and policymaking. The unit also helps in gaining knowledge and skills in understanding key community planning theories and concepts, and in applying methods and analysis to identify and respond to complex community issues.

### UXH433 Regional Planning

Pre-requisites	192 Credit Points of completed study
Equivalents	UDB475
Credit Points	12
Campus	Gardens Point, EXCHANGE and External
Availabilities	<b>Gardens Point</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

You will learn to focus and apply material from a wide range of disciplines and locations to understand and

develop current regional and metropolitan policy and apply the knowledge of policy formulation and skills of analysis and synthesis to real world problem-solving at a scale which is larger than a single local government.

### XNB148 Foundations in Nutrition Practice

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit will support the development of your professional identity as a nutrition professional and assist you in exploring your understanding of 'self' and your relationship with food, health and wellness. You will be introduced to the discipline specific skills, competencies and attributes required for evidenced based practice in nutrition and dietetics. The unit will introduce you to the nutrition profession and potential career paths and employability skills and attributes, with themes and tools expanded later in your course. The unit will lay foundational skills in professionalism, academic literacy, statistics, communication and cultural competence to support your success in the demonstration of learning outcomes in advanced units in your course including your competence as a reflexive scientist and health professional.

### XNB149 Nutrition Communication

Pre-requisites	XNB151 and XNB148
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

One of the core competencies for nutritionists and dietitians is to be able to translate and communicate complex, scientific concepts into practical everyday advice for a variety of audiences. This requires an understanding of learning and health behaviour change theory as well as the various channels for communication. This unit will develop your understanding and skills in communicating evidence-based nutrition information to a variety of audiences taking into consideration literacy, learning styles and other contextual factors. The aim of this unit is to develop your communication skills and basic theoretical perspectives to design and evaluate effective nutrition communication strategies for individuals, groups and populations. For dietetic students, counselling skills will be further developed in the third year of your program.

### XNB150 Food Citizenship

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is an introductory unit that explores food as part of global, community and personal systems and will

facilitate your development of food literacy. You will explore the complexities and fragility of food systems, and the social responsibilities of equitable access for all, to be an effective global citizen, communicator, advocate and leader for positive change for individuals, groups, communities and populations both now and in the future. For those working in the nutrition sciences it provides a basis on which to build your understanding of food systems and your role in shaping access to these systems. The concepts in this unit will form the basis of a systems approach that will continue to be built throughout your degree. For other professionals and individuals it will enable you to develop a deeper understanding of the food you eat, where it is from and how you can influence food supply and distribution as an informed citizen.

### XNB151 Food and Nutrition

Equivalents	PUB201
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

Nutrition forms the focus of many health initiatives. Reducing the burden of poor nutrition has the potential to produce major change in the health status of Australians. This introductory unit provides you with foundation skills and knowledge of food and nutrition systems, food constituents, energy balance, changing

nutritional requirements throughout the life course, and the application of dietary assessment methodologies and food selection guides to maintain and improve health at the individual and population level. In this unit you will develop your skills to critique common food fads and myths in nutrition, as well as introductory skills in reflection and foundations for inter-professional practice. The skills in searching and appraising scientific literature, which are introduced in this unit, are critical to establishing your academic writing and research literacy skills to the expected tertiary level.

### XNB173 Foundational Practice in Exercise Science

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This introductory unit explores the scope of practice of an exercise scientist, sports scientist and clinical exercise physiologist and how these relate to other professions. It also introduces the professional skill competencies essential to practice. You will envision potential career pathways, develop the skills and competencies required for practice and begin to develop essential communication skills for both academic and professional context. This unit also explores how research informs evidence based practice. The foundation understanding and basic skill development will provide the

basis for learning more advanced knowledge and competencies as the course progresses.

### XNB174 Principles of Coaching and Instructional Practice

Anti-requisites	XNB295
Credit Points	12
Campus	EXCHANGE, Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This introductory unit provides foundation skills and knowledge in coaching and skill acquisition that can be used when designing and delivering learning environments for individuals and groups. The capability to design and implement learning opportunities using appropriate verbal information and activity design concepts is a key competency in the sport and exercise science domains. Discipline studies in subsequent units are aimed at further expanding your knowledge and understanding of skill acquisition principles and how those principles can be applied in real world settings.

### XNB175 Exercise Psychology

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Students moving towards the exercise and health professions need to appreciate the impact people's psychology

can have on their well-being and ability to regularly engage in physical activity. This unit introduces you to a range of theories and models of exercise behaviour, and psychological factors that influence participation in physical activity. It also examines the relationship between physical activity and psychological well-being, and provides you with basic knowledge and skills for helping increase people's physical activity levels. This unit prepares you for and complements study to be undertaken in the 3rd year Sport Psychology unit.

### XNB176 Physical Activity and Health

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

As the prevalence of many chronic diseases is increasing in Australia, prevention of these diseases is a major health priority of Australian state and territory governments. This unit promotes understanding, measurement and promotion of physical activity for improved health outcomes, with a focus on individual, community and population level health determinants. Awareness of health status, factors influencing health and their impact, is an essential foundation for future work of health professionals. This important prospective work will provide the rationale and knowledge for the importance

of maintaining and promoting a physically active lifestyle.

### XNB177 Sport and Exercise Across the Lifespan

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This introductory unit which focuses on the impact of development and aging on exercise and sport participation across the lifespan, beginning with childhood and continuing with each major life stage through to old age. You will explore the factors influencing growth, development of fundamental motor development, influence of growth and development on exercise participation, the contribution of exercise to health, bone health, body composition and the importance of exercise for healthy aging.

### XNB188 Skill Acquisition for Teachers

Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

It is important for movement educators to fully grasp the ramifications of their learning designs in health, physical education and school sports settings. To do this a comprehensive understanding of contemporary motor learning theory and practice is crucial. The disciplinary content that underpins this unit is central to quality practice in the teaching

and coaching of movement skills. The knowledge gained will support the design not only of lessons but also extra-curriculum sessions to develop skilled performance. The aim of the unit is to provide you with fundamental knowledge required to assess, design and deliver programmes to children to improve skilled performance.

### XNB198 Sport and Exercise Science for Teachers 1

Anti-requisites	XNB298
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit introduces the concepts of growth and maturation and examines how these two important processes influence children's immediate and long-term responses to exercise and training and learning and performance of motor skills. The unit will emphasise the importance of individual differences in young people across various growth phases and patterns.

### XNB250 Food Chemistry and Technology

Pre-requisites	XNB151 and XNB150 and CZB190 (this unit is available ONLY in courses where listed as a core unit)
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit is in the mid stage of your course and builds on your

skills and knowledge of food, nutrition, chemistry and professional communication in year one. The unit exposes you to aspects of food science and technology including the composition of food and its behaviour during processing, food product development, food selection and evaluation and food spoilage and preservation. Laboratory based workshops enable students to develop practical skills in food preparation and use an experimental approach to develop understanding of the scientific principles that govern the changes occurring during food preparation. This unit prepares you for units later in your course that require an ability to apply practical aspects of food and food preparation as part of interventions to prevent or solve nutrition problems.

### XNB251 Nutrition Science

Pre-requisites	(LSB308 or LQB381) and LQB388 and XNB148 and XNB151 and XNB255
Co-requisites	LQB481
Equivalent s	PUB405
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Nutrition Science investigates the biochemistry and physiology of the major macro and micronutrients that are important to human health. This unit also discusses the impacts on human health, food sources, dietary intakerequirements and status assessment methods for these



nutrients. You will estimate dietary intake of these nutrients in human subjects, and you will review the scientific literature related to these nutrients, which you will review and discuss in a literature review. This unit integrates nutrition knowledge with the science of biochemistry and physiology, and knowledge of statistics developed in XNB255. It provides the foundation on which further studies of nutrition and dietetics can be built, and develops life-long learning skills required for nutrition and dietetics professionals.

**XNB252 Food and Nutrition Across the Lifecycle**

Pre-requisites	(XNB148 and (XNB150 or CWB103) and XNB151 and XNB250 and XNB255) or CSB441
Equivalent s	PUB648
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit fits within the suite of units designed to give an overall coverage of basic and complex nutrition principles for all age groups and introduces nutrition related chronic disease. It focuses on food intake and promotion of diet-related health across the lifecycle in more depth than previously covered in first year and underpins primary and secondary prevention of chronic disease for individuals, groups and populations. The

unit focuses on nutrition requirements and practical food based advice for each lifecycle stage beginning with pre-conception and continuing with each major life stage through to old age. It takes into consideration universal nutrition recommendations as well as selected and indicated social and cultural populations and settings, such as schools; and food patterns such as vegetarianism. It introduces population health approaches which will be further explored in XNH350 Community and Public Health Nutrition.

**XNB255 Nutritional Epidemiology**

Pre-requisites	XNB148 and (XNB150 or CWB103) and XNB151 and 24 credit points of introductory biosciences units from: (CZB190, LQB182, LQB281, LQB185, LSB142)
Equivalent s	XNH355
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Research studies generate the knowledge of food and nutrition used in professional practice, and this knowledge is continuously evolving. The ability to understand how new knowledge is generated is an essential skill that nutrition and dietetics professionals require throughout their career. Nutrition epidemiology and research skills are essential competencies for both Nutrition Science and Dietetics professionals. In this unit you will therefore develop an

understanding of the methods for collection of diet and nutrition-related data and the statistical techniques that are used to draw conclusions from the data collected.

**XNB271 Motor Control**

Pre-requisites	LSB131 or LSB231
Credit Points	12
Campus	EXCHANGE, Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit is designed to develop a basic understanding of the ways in which humans control movement and acquire skill. A focus of the unit will be on the neurological and sensory systems as they relate to the control of movement.

**XNB272 Biomechanics**

Pre-requisites	LSB131
Equivalent s	HMB272
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit is designed to develop a basic understanding of the ways in which human movement is analysed from a biomechanical perspective, and to develop the skills necessary to complete simple analyses of human motion. Knowledge of basic biomechanical concepts is essential for all health related

professionals. The aim of this unit is to understand the biomechanical principles of human movement, measure and analysis human movement and apply the biomechanical principles to optimising human movement.

### XNB273 Exercise Physiology

Pre-requisites	LSB231
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

This unit provides the knowledge and skills required of an exercise professional to understand and assess the metabolic, cardiovascular, pulmonary, and neuromuscular responses to acute and chronic exercise. Over the course of this unit, you will develop an understanding of the physiological mechanisms for exercise performance that inform concepts of exercise prescription and programming delivered later in the course. The content and techniques covered in this unit are equally applicable for those students considering careers as exercise science, sports science, and clinical exercise physiology professionals.

### XNB274 Functional Anatomy

Pre-requisites	LSB131
Equivalent s	HMB274
Credit Points	12
Campus	Kelvin Grove, EXCHANGE

Availabilities	and External <b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2
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This unit builds upon basic structural knowledge provided in LSB131 Anatomy to develop an understanding of the functional significance of these structures. The underlying theme is to explore the relationship between structure and function with particular reference to human movement.

### XNB277 Exercise and Sports Nutrition

Pre-requisites	XNB172 or HMB172 or XNB151 or PUB201
Equivalent s	HMB277
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-1 <b>External</b> - XCH-1, XCH-2

The successful application of exercise and sports nutrition knowledge in a professional and ethical manner requires a thorough understanding of the principles of, and the interaction between, nutrition and physical activity. This unit introduces you to basic and advanced sports nutrition principles and to their application within the sport, exercise and physical activity environment. It also provides a basic introduction to exercise physiology, building on previous introductory physiology. This unit provides you with opportunities to build, practice and provide evidence of your analysis and problem-

solving skills for nutrition and exercise sciences.

### XNB278 Skill Acquisition

Pre-requisites	XNB174
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit has a focus on skill acquisition for the sport and exercise domains. It is important for movement practitioners to fully grasp the ramifications of their learning designs in physical activity settings. To do this, a comprehensive understanding of contemporary skill acquisition theory and practice is crucial. The disciplinary content that underpins this unit is central in the design of quality practice activities in the clinical, teaching, and sport domains associated with human movement. The aim of the unit is to provide you with fundamental knowledge required to design programs to improve skilled performance.

### XNB280 Exercise Conditioning

Pre-requisites	XNB273
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

The prescription and programming of exercise are essential competencies of any exercise and sport scientists. This unit focuses on exercise programming and delivery to improve aerobic and anaerobic capacity in general populations

## Units

through to athletic populations, and complements the resistance training unit which focuses on improving strength.

### XNB282 Resistance Training

Pre-requisites	XNB274 or HMB274
Equivalent s	HMB282
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabiliti es	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit will develop theoretical understanding and practical skills in strength and conditioning for general fitness. A combination of theoretical knowledge and practical skills is required to enable the safe and effective prescription of appropriate exercise. This unit is designed to introduce you to theoretical concepts, apply them to practical situations and develop basic skills and competencies for implementation and prescription of strength and conditioning for general fitness. You will build on prior knowledge of functional anatomy and physiology to develop understanding of the acute physiological stresses and chronic adaptations to resistance training.

### XNB296 Physical Activity Learning Design

Anti-requisites	XNB294
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b>

es - SEM-1

From a physical education teaching perspective, it is important for you to develop a comprehensive knowledge, understanding and appreciation of how students effectively learn motor skills. This unit allows you the opportunity to develop and apply this knowledge and understanding to design and deliver learning environments within a physical education class to effectively meet the skill acquisition and motivational needs of students.

### XNB299 Curriculum, Pedagogy and Assessment 1: Health and Physical Education

Pre-requisites	EUB107
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-2

Teachers of Health and Physical Education need a range of understandings and skills to be effective practitioners. This unit provides you with the opportunity to develop a range of understandings and competencies for interpreting and managing the Health and Physical Education environment for teaching and learning. It assists you in developing competencies needed for developing learning experiences, conceptualising lesson plans and making informed pedagogical decisions. It promotes the development of confidence and competence in class

management skills, and facilitating the use of post-lesson reflection and evaluation. The personal exploration offered in the unit provides you with the opportunity to clarify your own thinking regarding the motives and role of Health and Physical Education as a medium for learning. The unit is an important component of your preparation for the first professional experience.

### XNB345 Advanced Nutrition Metabolism

Pre-requisites	XNB251 and XNB252 and XNB255 and LQB481 and (LQB488 or LSB250). XNB255 can be undertaken in the same teaching period as XNB345.
Credit Points	12
Campus	Kelvin Grove
Availabiliti es	<b>Kelvin Grove</b> - SEM-1

Global population changes have seen continued increases in the prevalence of chronic disease and ageing, with individuals living longer in the presence of disease. Nutritional requirements change over the life-course, while dietary intake and nutritional status often play a major role in both the aetiology and management of chronic diseases and health conditions. Therefore, there is a need for future nutritional professionals to have a good understanding of physiology and complex metabolic pathways, and how they alter across the life course and in the presence of disease. This unit provides students with knowledge around advanced physiology and nutritional

metabolism, enabling the application of foundational knowledge developed in earlier units in more complex health issues and contexts. Students will also develop an understanding of emerging topics in the field of nutrition and metabolism such as nutrigenomics and the gut microbiome.

### XNB346 Nutrition Therapy Counselling and Practice 1

Pre-requisites	XNB148 and XNB149 and XNB250 and XNB251 and XNB252 and LQB481 and LQB488
Co-requisites	XNB345
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Medical nutrition therapy explores the role of the dietitian in individual case management settings. You will be introduced to the theory and practical application of evidence-based nutritional care across a number of clinical conditions. The unit will focus on application of the nutrition care process (assessment, diagnosis, intervention, monitoring and evaluation) across a range of social, cultural and religious contexts, underpinning further development of medical nutrition therapy and the management of client centred nutrition care for individuals and small groups.

### XNB347 Medical Nutrition Therapy Counselling and Practice 2

Pre-requisites	(XNB346 or XNB351) and completion of 240cp including all core units
Co-requisites	(XNH348 or XNB354) and XNH356
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit extends your application of the nutrition care process and further develops your clinical reasoning skills. This unit is essential preparation for professional dietetic practice and is designed to enable you to develop your communication, counselling and practice skills to underpin client-centred dietetic consultations and interventions; as well as professional interactions across all domains of practice. The development of communication skills will assist with effective communication with clients, stakeholders, and other professionals, and enable you to translate technical information into practical advice tailored to individuals/groups. Counselling and negotiation skills will enable you to develop rapport with clients and stakeholders and negotiate client centred care underpinned by the latest evidence. This unit is required for you to demonstrate readiness for placement and you need to pass this unit before you can proceed to professional placement.

### XNB370 Performance Analysis

Pre-requisites	(XNB271 or HMB271) and (XNB272 or HMB272) and (XNB273 or HMB273)
Equivalent s	HMB347
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is designed to integrate knowledge from the core areas of exercise science (exercise physiology, biomechanics, motor control and functional anatomy) and apply them to analysing sports performance. An ever-increasing range of quantitative information about human performance is available, including training and workload data, individual motion and kinematics, competition results. Extracting key information from this data to support decision-making is an increasingly important process, whether in optimising training, talent identification, or tracking performance in sport; informing clinical and rehabilitation decisions following injury, or in more specialised settings in exercise and movement science research. A key component will be utilising available technology to collect the data, analyse the data and make sense of the data to the athletes and coaches.

### XNB371 Motor Control and Learning 2

Pre-requisites	XNB271 or HMB271
Equivalent s	HMB371
Credit Points	12



## Units

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This is an advanced unit which provides an in-depth view of theories and concepts in motor learning and control - how we control actions in both everyday and skilled behaviours, and how this capability is acquired. This course provides a multidisciplinary perspective, drawing on research from psychology, neuroscience, biomechanics, robotics, neural networks and medicine. Included in the unit will be the effects on the capacity for movement of changes in the nervous system (resulting from development, aging, disease or injury). The unit is organised around major themes of Postural Stability, Visuomotor Control and Proprioception. These themes will be explored from perspectives of movement disorders, sensorimotor integration, perception and action, cognitive neuroscience as well as clinical applications.

### XNB375 Sport Psychology

Pre-requisites	XNB175
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

A key aspect of sport science is the role psychology plays in optimal levels of performance. This unit introduces psychological principles underpinning sport performance and the common tasks and decision-making

processes involved in the applied work of a sport psychologist. This unit builds upon the foundational first year unit, XNB175 Exercise Psychology.

### XNB378 Sports Injury Prevention and Rehabilitation

Pre-requisites	XNB272 and XNB273 and XNB274
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

The role of exercise in preventing and treating athletic injuries is well accepted. Well-designed exercise/training programs must address the known risk factors for injury and recurrent injury. This requires an applied understanding of assessment, prescription and education based on evidence based practice and sport science reasoning. This advanced unit synthesises your previous knowledge of anatomy, biomechanics, exercise physiology and exercise prescription and builds on this by systematically considering a range of athlete specific concepts and case studies as seen in professional practice and applying to the sports science setting.

### XNB379 Strength and Conditioning

Pre-requisites	XNB280 and XNB282
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit will allow you to develop your understanding of and practical skills in strength and conditioning for improving sports performance. Practitioners in this field require 1) coaching skills in advanced resistance training, conditioning and skill development techniques; 2) the capacity to plan medium to long term athlete development programs that enhance performance and minimise injury risk, and 3) an understanding of conventional practices in sports conditioning and the limits to their evidence base. In addition, strength and conditioning coaches need to understand the role of technology in the monitoring of athlete performance and signs and symptoms of overtraining and to understand the interdisciplinary nature of their field.

### XNB380 Cardiorespiratory, Metabolic and Renal Disorders

Pre-requisites	(XNB381 and XNB280 (XN51 & XN52 students)) or (XNB271 and XNB272 and XNB273 and XNB274 (XN54 students)). XNB381 may be enrolled in the same semester as XNB380.
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is a clinical unit that develops key clinical knowledge required for exercise physiology practice. This unit specifically focuses on the cardiorespiratory, metabolic and renal disorders, including their epidemiology, aetiology, pathophysiology,

clinical course, diagnostic and assessment procedures, and treatments. By identifying the causes of each disorder, along with their epidemiological characteristics, the underlying mechanisms that affect movement capacity, and approaches taken to diagnose, assess and treat these disorders, the unit aims to develop your knowledge of these disorders so that you can recognise how they affect and respond to movement, exercise and activity. This unit links to XNH386 Clinical Skills for Exercise Physiologists, where practical assessment skills relevant to the disease states covered in this unit, are taught.

### XNB381 Musculoskeletal, Neurological and Occupational Disorders

Pre-requisites	CSB520, XNB272, XNB273 and XNB274 (XN51 and XN52 students) or XNB271, XNB272, XNB273 and XNB274 (XN54 students)
Credit Points	12
Campus	Kelvin Grove, EXCHANGE and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-1, XCH-2

This unit is a clinical unit that develops key clinical knowledge required for exercise physiology practice. This unit specifically focuses on the neurological, occupational and musculoskeletal disorders, including their epidemiology, aetiology, pathophysiology, clinical course, diagnostic and assessment procedures, and treatments. By identifying the

causes of each disorder, along with their epidemiological characteristics, the underlying mechanisms that affect movement capacity, and approaches taken to diagnose, assess and treat these disorders, the unit aims to develop your knowledge of these disorders so that you can recognise how they affect and respond to movement, exercise and activity. This unit links to XNH386 Clinical Skills for Exercise Physiologists, where practical assessment skills relevant to the disease states covered in this unit, are taught.

### XNB383 Sports Physiology

Pre-requisites	XNB273
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit will build upon the knowledge and skills you have gained from studying Exercise Physiology (XNB273) and Physiology (LSB231). You will integrate and apply this exercise physiology knowledge to sports physiology including performance in differing environmental stressors (e.g., temperature and altitude); the role of recovery, sleep and travel on performance; and ergogenic aids. In addition you will develop your ability to discuss, interpret, critically analyse topical issues in sports physiology and present testing reports to athletes and coaches. By successfully completing this unit you will be able to demonstrate a range of important skills including critical

thinking, team work, organisation skills, planning, experimental design, time-management, problem-solving, oral presentation skills and professional communication skills. This unit has a very strong practical focus and you will investigate physiological problems independently and as a member of a team.

### XNB384 Oncology and Mental Health Disorders

Pre-requisites	CSB520 and XNB280. CSB520 can enrolled in the same teaching period as XNB384
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This clinical unit explores the scope of practice for a clinical exercise physiologist within the domains of cancer and mental health. It provides an understanding of the disease states and develops the exercise physiology professional competencies essential to practice within these domains. You will commence the development of your client consultation skills that will be further developed in XNH386 Clinical Skills for Exercise Physiologists.

### XNB387 Clinical Exercise Physiology Practicum A

Pre-requisites	XNB280 and XNB282
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

Adhering to policies mandated

by ESSA, this unit provides you with an opportunity to undertake a **minimum of 140 hours** at an external sport and/or exercise science practicum site. The focus of this practicum is health or performance amelioration and not *the treatment and/or management of a clinical condition or injury*. Engaging in this unit will expose you to the scope of practice of an Exercise Scientist. This unit is the first of three *WIL* opportunities you will engage in to fulfill the practicum requirements necessary to be an AEP. Practicum units are distinctive from other course offerings in that there is a deal of preparation needed and a number of formal requirements that **must** be completed in order to allow you to complete your placement. Practicum expectations and obligations are detailed in the *Unit Information Document* available on the SES Community Blackboard site.

### XNB390 Teaching Primary HPE

Equivalent s	HMB300
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Primary specialist teachers need knowledge and understanding of how to integrate Health and physical education within the other key learning areas. This unit provides you with the opportunity to experience and learn the connection between physical activity and health and

its role in meeting the developmental needs of children. Additionally, you will participate in a range of learning experiences appropriate to the developmental needs of children and acquire the skills necessary to safely deliver student learning in an open environment. Topics include principles of the health and physical education years 1-10 syllabus; motor skill development and ability related expectations for teaching HPE; planning for quality instruction and linking physical activity with health; planning and teaching HPE; classroom management and safety issues.

### XNB396 Child and Adolescent Health

Equivalent s	HMB333
Credit Points	12
Campus	Kelvin Grove and External
Availabilities	<b>Kelvin Grove</b> - SEM-2 <b>External</b> - XCH-2

The dynamic health status of children and adolescents is influenced by a range of health determinants. Knowledge of health issues and the underlying factors involved may be beneficial for any person required to work with children and adolescents, including teachers and health professionals. Understanding factors that impact on the health and wellbeing of children and adolescents is necessary for facilitating the holistic development of children

and adolescents. You will be encouraged to explore health issues from a contextualised position, for the purpose of developing greater awareness of measures that can be undertaken to promote the health and wellbeing of children and adolescents.

### XNB397 Administration of School Sport

Equivalent s	HMB337
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Within a school, teachers have various roles that exist beyond the classroom, one being the administration of intra and interschool sport. School sports administration is a demanding role requiring many diverse talents. Successful organisation and administration of school sport requires skill in event organisation and promotion, human and physical resource management, risk management, policy development, budgeting, fundraising, meeting procedures and legal responsibilities. It is therefore essential that preservice teachers interested in school sport develop understanding and skills in these areas.

### XNB399 Curriculum, Pedagogy and Assessment 2: Health and Physical Education

Pre-requisites	XNB299 or XNB291
Credit Points	12
Campus	Kelvin Grove



## Units

Availability	<b>Kelvin Grove</b> - SEM-2
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This unit extends the principles of professional practice established in the prerequisite Health and Physical Education curriculum unit and will further encourage you to develop a critically reflective approach to teaching. You will make independent judgments about curriculum by focusing on the application of the Senior Physical Education Syllabus (QCAA, 2019). The unit will also encourage you to explore current issues and emerging and future trends in Health and Physical Education, to reflect on your attitudes towards them, and to clarify your commitment and degree of openness to innovation and change in your teaching careers.

### XNB444 Clinical Practice in Nutrition and Dietetics - Medical Nutrition Therapy (Ambulatory)

Pre-requisites	XNH448-1 and XNH448-2 and completion of 288 credit points including XNH350, XNB346, XNB347, XNH348 and XNH356. XNH448-1 and XNH448-2 can be undertaken in the same teaching period as XNB444.
Credit Points	12
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - SEM-1, SEM-2

You will undertake a five week Clinical Practice in Medical Nutrition Therapy work integrated learning placement to critically apply the theory of Medical Nutrition Therapy within practical clinical settings. The placement is designed for your exposure to a range of

cases in the ambulatory setting. The purpose of this work integrated learning unit is to demonstrate your competence and safety to practice as a dietitian in Australia.

### XNB445 Clinical Practice in Nutrition and Dietetics - Medical Nutrition Therapy (Acute)

Pre-requisites	XNH448-1 and XNH448-2 and completion of 288 credit points including XNH350, XNB346, XNB347, XNH348 and XNH356. XNH448-1 and XNH448-2 can be undertaken in the same teaching period as XNB445.
Credit Points	12
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - SEM-1, SEM-2

You will undertake a five week Clinical Practice in Medical Nutrition Therapy work integrated learning placement to critically apply the theory of Medical Nutrition Therapy within practical clinical settings. The placement is designed for your exposure to a range of cases in the acute setting. The purpose of this work integrated learning unit is to demonstrate your competence and safety to practice as a dietitian in Australia.

### XNB446 Clinical Practice in Nutrition and Dietetics - Community and Public Health Nutrition

Pre-requisites	XNH448-1 and XNH488-2 and completion of 288 credit points including XNH350, XNB346, XNB347, XNH348 and XNH356. XNH448-1 and XNH448-2 can be undertaken in the same teaching period as XNB446.
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Credit Points	12
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - SEM-1, SEM-2

You will undertake a five week placement in Community and Public Health Nutrition to critically apply theoretical perspectives to a real world environment. The principles of planning, implementing and evaluating nutrition education sessions, knowledge of food and nutrition policy and the impact it has on food supply will be supported by your program planning skills. Experiencing working in multi-disciplinary teams in community programs, you will encounter first-hand how your professional practice interlocks with other health services. The purpose of this work integrated learning unit is to demonstrate your competence and safety to practice as a dietitian in Australia.

### XNB447 Clinical Practice in Nutrition and Dietetics - Foodservice Management

Pre-requisites	XNH448-1 and XNH488-2 and completion of 288 credit points including XNH350, XNB346, XNB347, XNH348 and XNH356. XNH448-1 and XNH448-2 can be undertaken in the same teaching period as XNB447.
Credit Points	12
Campus	Kelvin Grove
Availability	<b>Kelvin Grove</b> - SEM-1, SEM-2

Practice in the area of foodservice management is vital to integrate knowledge of standards, food legislation and regulations theory with clinical



practice. Dietetic professionals manage foodservices or components of foodservices to provide safe and nutritious foods for diverse groups, and this unit provides specific issues in real-life food and nutrition service settings to consolidate your skills and competence in this area. The unit expectations meet the Dietitians Association of Australia minimum practice requirements.

### XNB453 Professional Practice in Nutrition

Pre-requisites	LQB481 and (LQB488 or LSB250) and (XNB255 or XNH355) and (XNB350 or XNH350 or PUB509) and (XNB251 or PUB405) and XNB252 and XNB345 and completion of 240cp including all core units
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This unit is the capstone unit of your course and captures the work that you have learned across your degree. To develop effective nutrition programs/strategies, you must apply appropriate theories, real-world food and nutrition knowledge, attitudes and beliefs and issues of different community groups. You will potentially have opportunity to work with community programs that interlock with other health services. Program planning underpins the community nutrition placement and this unit applies your program planning skills to a nutrition related project. Note: Students may only enrol in this unit in

Semester 1 with Course Coordinator permission.

### XNB470 Sport and Exercise Science Practicum 1

Pre-requisites	XNB280 and XNB282
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

As a practising exercise or sport scientist and clinical exercise physiologist it is essential to consolidate professional skills and practice in preparation for entry into the workforce. This unit provides an opportunity for you to integrate and practise skills in real world settings. Additionally, it fulfils a major component of the practicum requirements that must be successfully completed to be an Exercise Scientist as outlined by Exercise and Sports Science Australia (ESSA). The focus of Practicum A is experience working with healthy clients. All work integrated learning opportunities will be through QUT approved placement sites, under the supervision of appropriately qualified supervisors. This is the first of two work integrated learning opportunities. Dependent on site approval and student intention, it is possible for a student to undertake both their Semester 1 (XNB470) and Semester 2 (XNB472) practicums at the same placement site.

### XNB472 Sport and Exercise Science Practicum 2

Pre-requisites	XNB470
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1, SEM-2

This unit is the second practicum unit that enables you to build on your initial learning opportunities and continue to consolidate your learning within the work integrated learning environment. In this practicum, you will be working with healthy clients. This unit also fulfils a major component of the practicum requirements that must be successfully completed to be an Exercise Scientist as outlined by Exercise and Sports Science Australia (ESSA). This is the second of two work integrated learning opportunities. The second placement works towards consolidating your knowledge and skills of the profession.

### XNB483 Clinical Exercise Physiology Business Practice

Pre-requisites	XNH481 and XNH482 and XNB489. XNB489 can be enrolled in the same teaching period as XNB483
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Exercise Physiologists need the skills and knowledge to operate within or apply entrepreneur skills to develop a new business. The unit will give a fundamental overview of the critical areas involved in starting, running or managing

an exercise physiology practice, with a particular focus on inter-disciplinary approaches to business ideas that service the multi-faceted needs of chronic diseased populations. The unit identifies the legal, ethical, and professional frameworks that guide practice. This unit is in the final year of your course and integrates with your clinical placements.

**XNB488 Clinical Exercise Physiology Practicum B**

Pre-requisites	(XNB387 or XNB470) and (XNH481 or XNB481) and (XNH482 or XNB482). (XNH481 or XNB481) and (XNH482 or XNB482) can be enrolled in the same teaching period as XNB488
Equivalent s	XNB484
Credit Points	24
Campus	Kelvin Grove
Availabili es	<b>Kelvin Grove</b> - SEM-1, SEM-2

Adhering to policies mandated by ESSA, this unit provides you with an opportunity to undertake a **minimum of 180 hours** at an external clinical exercise physiology site. The focus of this practicum is around the *design, delivery and evaluation of safe and effective exercise interventions for people with acute, sub-acute or chronic medical conditions, injuries or disabilities*. This unit is the second of three *WIL* opportunities you will engage in to fulfill the practicum requirements necessary to be an Accredited Exercise Physiologist. Practicum units are distinctive from other course offerings in that there is

a deal of preparation needed and a number of formal requirements that **must** be completed in order to allow you to complete your placement. Practicum expectations and obligations are detailed in the *Unit Information Document* available on the CEP Community Blackboard site.

**XNB489 Clinical Exercise Physiology Practicum C**

Pre-requisites	(XNB387 or XNB470) and (XNH481 or XNB481) and (XNH482 or XNB482). XNH481 and XNH482 may be enrolled in the same study period as XNB489.
Equivalent s	XNB485
Credit Points	24
Campus	Kelvin Grove
Availabili es	<b>Kelvin Grove</b> - SEM-1, SEM-2

Adhering to policies mandated by ESSA, this unit provides you with an opportunity to undertake a **minimum of 180 hours** at an external clinical exercise physiology site. The focus of this practicum is around the *design, delivery and evaluation of safe and effective exercise interventions for people with acute, sub-acute or chronic medical conditions, injuries or disabilities*. This unit is the second of three *WIL* opportunities you will engage in to fulfill the practicum requirements necessary to be an Accredited Exercise Physiologist. Practicum units are distinctive from other course offerings in that there is a deal of preparation needed and a number of formal requirements that **must** be completed in order to allow you

to complete your placement. Practicum expectations and obligations are detailed in the *Unit Information Document* available on the CEP Community Blackboard site.

**XNB490 Clinical Exercise Physiology Practicum Honours**

Pre-requisites	XNB488 or XNB489
Credit Points	12
Campus	Kelvin Grove
Availabili es	<b>Kelvin Grove</b> - SEM-1, SEM-2

Adhering to policies mandated by ESSA, this unit provides you with an opportunity to undertake a **minimum of 180 hours** at an external clinical exercise physiology site. The focus of this practicum is around the *design, delivery and evaluation of safe and effective exercise interventions for people with acute, sub-acute or chronic medical conditions, injuries or disabilities*. This unit is the second of three *WIL* opportunities you will engage in to fulfill the practicum requirements necessary to be an Accredited Exercise Physiologist. Practicum units are distinctive from other course offerings in that there is a deal of preparation needed and a number of formal requirements that **must** be completed in order to allow you to complete your placement. Practicum expectations and obligations are detailed in the *Unit Information Document* available on the CEP Community Blackboard site.

### XNH279 Evidence Based Practice in Exercise Science

Pre-requisites	XNB173
Equivalent s	XNB276
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

On completion of this unit you will have a fundamental understanding of the research process and how research informs the practice of exercise professionals. The skills you will develop will include the ability to critically evaluate research literature and interpret qualitative and quantitative data in the field of exercise science. This unit provides an introduction to the research process and basic analytical methods commonly used in this field to design evidence-based practice. This is a crucial part of the professional role of an exercise scientist, exercise physiologists and other sport, physical activity and exercise specialists. The development of research skills in this unit provides the basis for students undertaking future studies in exercise research.

### XNH348 Medical Nutrition Therapy Counselling and Practice 3

Pre-requisites	XNB346 and completion of 240cp including all core units
Co-requisites	XNB347 and XNH356
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit follows on from XNB346 (pre-requisite) and is run concurrently with XNB347 (co-requisite). These units will extend your application of the nutrition care process and further develop your clinical reasoning skills to prioritise nutrition care in increasingly complex clinical cases. Through the development of your written and verbal communication skills, this unit will enable you to translate technical information into practical advice to patients and communicate this with members of a multidisciplinary team. The opportunity to experience some practice based activity will assist you in familiarising yourself with the nature and operation of clinical and healthcare settings which may include hospitals and nursing homes, private practice, foodservice and community public health facilities.

### XNH350 Community and Public Health Nutrition

Pre-requisites	XNB252, XNB255, XNB151, XNB148 and (XNB150 or CWB103)
Equivalent s	PUB509, XNB350
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

This unit is in the intermediate stage of your course and builds on the work you have undertaken in introductory food and nutrition, food citizenship, nutrition epidemiology, nutrition across the life cycle and nutrition science. This unit

provides you with opportunities to develop your competencies in the area of community and public health nutrition, in particular around program planning and evaluation and the application of nutrition for communities and populations. Completion of this unit is essential in preparation for work integrated learning in the area of community and public health nutrition. The unit builds and provides practice in research, synthesis, and problem solving. In addition, you continue your development as a professional.

### XNH356 Contemporary Management and Practice of Food and Nutrition Services

Pre-requisites	XNB148 and XNB149 and XNB250 and XNB252 and XNB346
Co-requisites	XNB347 and XNH348
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is in the intermediate stage of your course and builds on studies in nutrition, food chemistry and technology and medical nutrition therapy. For nutrition and dietetics professionals, an understanding of nutrition and foodservices, their organisation and management are integral to advocating for improved health outcomes for individuals, groups and populations. This unit develops your practical knowledge and skills in foodservice management, contemporary management principles, and



systems approaches for high quality effective food and nutrition services. Your foodservice management knowledge and skills will be further extended in your Work Integrated Learning units in the final year of the nutrition and dietetic program.

### XNH386 Clinical Skills for Exercise Physiologists

Pre-requisites	XNB280 and XNB380 and XNB381 and XNB384. XNB380 and XNB381 can be enrolled in same teaching period as XNB386
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This unit is a clinical skills unit that develops the key clinical and practical skills required for exercise physiology practice. Specifically, the unit teaches and assesses core skill competencies to conduct an effective client consultation including health and fitness assessment, analysis of results to inform the development of evidence based exercise programs which meet the client's needs and goals, and professional communication skills. Also included are skills based on delivering effective client education to assist with chronic disease or injury rehabilitation management. The skills developed in this unit link to the disease states covered in XNB380 and XNB381.

### XNH448 Leadership in Nutrition and Dietetics Practice

Pre-requisites	XNB444 and XNB445 and XNB446 and XNB447 and
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	XNH448-2 and completion of 288cp including XNH350, XNB346, XNB347, XNH348 and XNH356. XNB444, XNB445, XNB446, and XNB447 and XNH448-2 can be undertaken in the same teaching period as XNH448-1.
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

Leadership, advocacy and entrepreneurship are key requirements for competent professional practice. This is true across all domains of clinical dietetic practice, individual dietetic case management, foodservice management, community and public health nutrition. This capstone unit provides you with opportunities to reflect on your whole of course experience, and to develop your career plans.

### XNH448 Leadership in Nutrition and Dietetics Practice

Pre-requisites	XNB444 and XNB445 and XNB446 and XNB447 and XNH448-1 and completion of 288cp including XNH350, XNB346, XNB347, XNH348 and XNH356. XNB444, XNB445, XNB446, XNB447 and XNH448-1 can be undertaken in the same teaching period as XNH448-2.
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

Leadership, advocacy and entrepreneurship are key requirements for competent professional practice. This is true across all domains of clinical dietetic practice,

individual dietetic case management, foodservice management, community and public health nutrition. This capstone unit provides you an opportunity to reflect on your whole of course experience, and develop your career plans.

### XNH480 Clinical Exercise Physiology Professional Practice

Pre-requisites	XNH481 and XNH482 and XNB488 and XNB489. XNB488 and XNB489 can be enrolled in the same teaching period as XNH480
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-2

This capstone unit is a final year unit that will draw together your exercise physiology learning from your entire course. This unit enables you to integrate and synthesise your knowledge and skills, as well as drawing on your work integrated learning experience to demonstrate your readiness to practice in the exercise physiology profession. It provides an opportunity for you and the University to reflect and endorse your readiness to practice in the exercise physiology profession.

### XNH481 Clinical Exercise for Cardiorespiratory, Renal and Metabolic Disorders

Pre-requisites	(XNB380 and XNH386 and XNB387) or (XNB380 and XNB470)
Co-requisites	XNH482
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b>



The role of exercise for both treatment and secondary prevention in individuals with cardiorespiratory, renal and metabolic disorders is well accepted. Well designed programs of treatment require assessment, prescription and education based on clinical practical skills and clinical reasoning. This advanced unit converges and builds on your previous knowledge of exercise prescription and cardiorespiratory, renal and metabolic pathophysiology by systematically considering a range of disease-specific concepts and case studies as seen in professional practice, and applying to the clinical practice setting.

### **XNH482 Clinical Exercise for Musculoskeletal and Neurological Disorders**

Pre-requisites	(XNB381 and XNH386 and XNB387) or (XNB381 and XNB470)
Co-requisites	XNH481
Credit Points	12
Campus	Kelvin Grove
Availabilities	<b>Kelvin Grove</b> - SEM-1

The role of exercise for both treatment and secondary prevention in individuals with neurological and musculoskeletal disorders is well accepted. Well designed programs of treatment require assessment, prescription and education based on clinical practical skills and clinical reasoning. This advanced unit converges and builds on your previous knowledge of exercise

prescription and neurological and musculoskeletal pathophysiology by systematically considering a range of disease-specific concepts and case studies as seen in professional practice, and applying to the clinical practice setting.

### **XNQ632 Healthy Ageing**

Credit Points	12
Campus	Online
Availabilities	<b>Online</b> - SES4

This unit aims to develop knowledge, skills and attributes for health care professionals to be able to promote positive ageing and improve the health and quality of life of the older person. The unit focuses on current multidisciplinary models of healthy aging, with emphasis given to the roles of exercise and nutrition in disease prevention and rehabilitation as well as social health determinants. The content is framed around evidence-based knowledge and practices, and is delivered in such a way as to reinforce the importance of interdisciplinary teams in clinical practice and to explore present and emerging uses of technology and health data.