

Health and Science Schools

Electronic Postgraduate Handbook 2015

University of Western Sydney

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Information contained in this electronic handbook is correct at the time of production (March 2015), unless otherwise noted.

CRICOS Provider Code 00917K

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About the Health and Science Schools Electronic Postgraduate Handbook

Sessions and dates

There are two main sessions in 2015: Autumn and Spring. Weeks shown in the dateline refer to the session weeks for these main sessions.

The dateline is available at:

http://www.uws.edu.au/currentstudents/current_students/dates/2015_academic_year_dateline.

Unit outlines

Brief outlines of all UWS postgraduate units listed in the course section are given in the second half of this electronic handbook.

The unit outlines give a brief overview of each unit. For some units this information is not available. Please check the UWS website for more recent information. For more information – details of textbooks, assessment methods, tutorial, group work and practical requirements – contact the unit coordinator.

More information on unit offerings can be found at: http://handbook.uws.edu.au/hbook/UNIT_SEARCH.ASP.

Unit not listed?

If the unit you are looking for is not in the alphabetical units section, consult your course coordinator for details or check the unit search web page for updated details on all units offered in 2015 at:

http://handbook.uws.edu.au/hbook/UNIT_SEARCH.ASP.

Prerequisites, co-requisites and assumed knowledge

Students wishing to enrol in a unit for which they do not have the prerequisites or assumed knowledge are advised to discuss their proposed enrolment with an academic adviser.

Where it is necessary to limit the number of students who can enrol in a unit through shortage of space, equipment, library resources, and so on, or to meet safety requirements, preference will be given to students who have completed the unit recommended sequence in the course.

Academic credit

In most courses, academic credit will be granted for previous studies. For example, UWS has a number of agreements with TAFE to grant credit for successfully completed TAFE studies. Seek advice about credit prior to, or at enrolment.

How to use this electronic book

The first part of this electronic book contains information about current postgraduate courses offered by the Schools of Computing, Engineering & Mathematics, Medicine, Nursing and Midwifery, and Science & Health. The next part contains details on current postgraduate unit sets in these courses, and the final part has details of all units within the courses.

The courses are arranged mainly alphabetically. If you know the course code, but not the name, consult the COURSE CODE INDEX.

The units are arranged alphabetically. If you know the code, but not the name, consult the UNIT CODE INDEX at the back of the electronic book.

Check website for updates

Every effort is taken to ensure that the information contained in this electronic book is correct at time of production. The latest information on course and unit offerings can be found at:

<http://handbook.uws.edu.au/hbook/>

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SCHOOL OF MEDICINE

Master of Surgery in Advanced Gynaecological Surgery

4690.1

This course is available to Advanced Trainees in Obstetrics and Gynaecology who are undertaking a Fellowship in Minimally Invasive Gynaecological Surgery Sydney West Advanced Pelvic Surgery (SWAPS) Unit based at Blacktown Hospital. Students will undertake a program of theoretical and practical activities that will result in their graduation with advanced skills in laparoscopic pelvic surgery. The course will be undertaken while working at SWAPS and supervised by staff at Blacktown Hospital.

Study Mode

Two years part-time.

Location

Campus	Attendance	Mode
Campbelltown Campus	Part Time	External

Accreditation

While this program does not require accreditation the clinical component is accredited for advanced trainees in Obstetrics and Gynaecology by the RANZCOG (The Royal Australian and New Zealand College of Obstetricians and Gynaecologists). RANZCOG supports the program.

Admission

All students must be advanced Obstetric & Gynaecology trainees undertaking a Fellowship in Minimally Invasive Gynaecological Surgery at Sydney West Advanced Pelvic Surgery Unit or other accredited site.

Admission to this course is by invitation after appointment to the fellowship position in the hospital or other accredited site.

Special Requirements

All students must be registered medical practitioners undertaking a Fellowship in Minimally Invasive Gynaecological Surgery at SWAPS.

Course Structure

Each student will undertake eight units of study. Two units will be practicum and the student will undertake six of eight additional units.

The practicum units are

400993.2	Clinical Minimally Invasive Gynaecological Surgery 1
401057.2	Clinical Minimally Invasive Gynaecological Surgery 2

The additional units are

400996.1	Power Modalities
400995.2	Port Entry
400994.2	Laparoscopic Hysterectomy

401061.1	Pelvic Anatomy
401059.1	Gynaecological Surgery Ergonomics
401062.1	Pelvic Floor Function and Dysfunction
401058.1	Endometriosis
401060.1	Laparoscopic Adnexal Surgery

Graduate Certificate in Allergic Diseases

4689.2

This course is designed for medical practitioners, particularly general practitioners and general paediatricians, who want to improve their care of patients with allergic diseases. Students must be registered medical practitioners. It combines an introduction to the scientific basis of allergic diseases and clinical aspects of allergy. Students will complete an online scientific program and attend a regional specialist Immunology Clinic, over a total period of two years.

Units may be revised or replaced to ensure students are provided with up to date curriculum throughout their studies, and this may result in a new course version. Refer to the Check My Course Progress page in MySR for the most up to date information for your course.

Study Mode

Two years part-time.

Location

Campus	Attendance	Mode
Campbelltown Campus	Part Time	External

Admission

Applicants for this course must be qualified and registered medical practitioners (doctors).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Special Requirements

Students must be registered medical practitioners, in clinical practice, and be able to access a regional specialist Immunology/Allergy clinic.

Course Structure

Qualification for this award requires the successful completion of 40 credit points including the units listed in the recommended sequence below.

Note: Students are required to enrol in the units for both 1H and 2H sessions

Part-time (Start year intake)

Year 1

401063.1	Allergic Sciences
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Year 2

401064.1 Clinical Allergy

SCHOOL OF NURSING AND MIDWIFERY

Master of Child and Family Health (Karitane)

4713.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

The Master of Child and Family Health (Karitane) aims to provide Registered Nurses and Registered Midwives with theoretical knowledge and associated skills that prepare them to work autonomously and across a variety of clinical settings with children and families. Graduates will be able to apply advanced nursing practice, concepts and analysis and lead nursing practice to promote optimal health outcomes for children and families. This will involve among other things, design, implementation and evaluation of advanced clinical nursing care systems, analysis and synthesis of nursing concepts leading to a basis for advanced nursing practice and the facilitation of change. Opportunities will be provided for students to undertake in-depth study into aspects of child and family health relevant to their specific areas of practice.

Study Mode

Three years part-time

Location

Campus	Attendance	Mode
Hawkesbury Campus	Part Time	Multi Modal

Inherent requirements

There are inherent requirements for this course that you must meet in order to complete your course and graduate. Make sure you read and understand the requirements for this course online. Inherent requirements for this course can be viewed via the following link.

Admission

Candidature for admission to the Master of Child & Family Health (Karitane) is based on the following requirements:

Registered Nurse or Midwife (currently registered to practice with the Australian Health Practitioner Regulation Agency - Nursing and Midwifery). Any other type of registration (non-practicing, limited, or student) is not acceptable for this course

And

Completion of an undergraduate degree in health-related sciences (AQF Level 7 or equivalent), such as health science, human science, midwifery, naturopathy, nursing, nutrition, psychology

And

One year full-time equivalent work experience as a registered nurse or registered midwife within the last five years.

Applicants seeking admission on the basis of work experience MUST support their application with a statement of service for all work experience listed on the application.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 120 credit points including the units listed below

400971.1	Child & Family Health: Professional Practice and Frameworks
400972.2	Child & Family Health Practice: Supporting Growth and Development
400830.3	Clinical Practice: Infant and Child Nutrition and Feeding
400831.2	Healthy Families and Communities
400832.1	Partnership in Practice
400833.3	Perinatal Mental Health
401168.1	Evidence Based Health Care
401082.1	Cultural and Social Diversity in Health Care

And two elective units

*See list of recommended elective units below

Choose one of the following

401083.1	Capstone Experience in Health Care
401084.1	Research Project in Health Care

Or

Choose both units below

401086.1	Writing for Publication
401085.1	Scholarship for Practice Change in Health Care

Recommended elective units

Note: Students undertaking 401084 Research Project in Health must first complete 401167 Applied Research in Health Care and 400975 Ethics in Health Research.

400834.1	Advanced practice: Infant and Child feeding and Nutrition
400835.1	Infant Mental Health
401167.1	Applied Research in Health Care
400975.1	Ethics in Health Research

Graduate Diploma in Child and Family Health (Karitane)

4714.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

The Graduate Diploma in Child & Family Health (Karitane) aims to provide Registered Nurses and Registered Midwives with theoretical knowledge and associated skills that prepare them to work autonomously and across a variety of clinical settings with children and families. Graduates will be able to apply advanced nursing practice, concepts and analysis and lead nursing practice to promote optimal health outcomes for children and families. Students who successfully complete this course may transfer into the Master of Child and Family Health (Karitane).

Study Mode

Two years part-time.

Location

Campus	Attendance	Mode
Hawkesbury Campus	Part Time	Multi Modal

Inherent requirements

There are inherent requirements for this course that you must meet in order to complete your course and graduate. Make sure you read and understand the requirements for this course online. Inherent requirements for this course can be viewed via the following link.

Admission

Candidature for admission to the Graduate Diploma in Child & Family Health (Karitane) is based on the following requirements:

Registered Nurse or Midwife (currently registered to practice with the Australian Health Practitioner Regulation Agency - Nursing and Midwifery). Any other type of registration (non-practicing, limited, or student) is not acceptable for this course

And

Completion of an undergraduate degree (AQF Level 7 or equivalent), in any discipline

And

One year full-time equivalent work experience as a registered nurse or registered midwife within the last five years.

Applicants seeking admission on the basis of work experience MUST support their application with a statement of service for all work experience listed on the application.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying

directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed below

Recommended Sequence

400971.1	Child & Family Health: Professional Practice and Frameworks
400972.2	Child & Family Health Practice: Supporting Growth and Development
400830.3	Clinical Practice: Infant and Child Nutrition and Feeding
400831.2	Healthy Families and Communities
400832.1	Partnership in Practice
400833.3	Perinatal Mental Health
401168.1	Evidence Based Health Care

And one elective

Graduate Certificate in Child and Family Health (Karitane)

4715.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

The Graduate Certificate in Child & Family Health (Karitane) aims to provide Registered Nurses and Registered Midwives with theoretical knowledge and associated skills that prepare them to work autonomously and across a variety of clinical settings with children and families. Graduates will be able to apply advanced nursing concepts and analysis to promote optimal health outcomes for children and families. Students who successfully complete this course may transfer into the Graduate Diploma in Child and Family Health (Karitane).

Study Mode

One year part-time.

Location

Campus	Attendance	Mode
Hawkesbury Campus	Part Time	Multi Modal

Inherent requirements

There are inherent requirements for this course that you must meet in order to complete your course and graduate. Make sure you read and understand the requirements for this course online. Inherent requirements for this course can be viewed via the following link.

Admission

Candidature for admission to the Graduate Certificate in Child & Family Health (Karitane) is based on the following requirements:

Registered Nurse or Midwife (currently registered to practice with the Australian Health Practitioner Regulation Agency - Nursing and Midwifery). Any other type of registration (non-practicing, limited, or student) is not acceptable for this course

And

One year full-time equivalent work experience as a registered nurse or registered midwife within the last five years.

Applicants seeking admission on the basis of work experience MUST support their application with a statement of service for all work experience listed on the application.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 40 credit points including the units listed in the recommended sequence below.

- 400971.1** Child & Family Health: Professional Practice and Frameworks
- 400972.2** Child & Family Health Practice: Supporting Growth and Development
- 400830.3** Clinical Practice: Infant and Child Nutrition and Feeding
- 400831.2** Healthy Families and Communities

Master of Mental Health Nursing

4719.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

This course provides students with the theoretical knowledge and critical thinking skills to prepare them for advanced practice in mental health nursing, across a range of health care settings. Graduates will be able to apply advanced practice, concepts and analysis in mental health nursing to promote optimal health outcomes for clients with mental illness. Opportunities will be provided for students to undertake in-depth study into aspects of mental health and mental illness relevant to their specific area of practice.

Study Mode

One and a half years full-time or three years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External

Inherent requirements

There are inherent requirements for this course that you must meet in order to complete your course and graduate. Make sure you read and understand the requirements for this course online.

Admission

All applicants must meet the following criteria to be eligible for entry:

Registered Nurse or Midwife (currently registered to practice with the Australian Health Practitioner Regulation Agency - Nursing and Midwifery). Any other type of registration (non-practicing, limited, or student) is not acceptable for this course

And

Completion of an undergraduate degree in health-related sciences (AQF Level 7 or equivalent), such as health science, human science, midwifery, naturopathy, nursing, nutrition, psychology

Or

Completion of a Graduate Diploma in Mental Health Nursing (AQF Level 8 or equivalent)

And

One year full-time equivalent work experience as a registered nurse or registered midwife within the last five years.

Applicants seeking admission on the basis of work experience must support their application with a statement of service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 120 credit points including the units listed below.

- 400217.3** Mental Health Assessment and Application
- 400218.2** Mental Health Nursing Practice 1

400219.3	Mental Health Nursing Practice 2
400220.2	Contemporary Professional Practice in Mental Health Nursing
401168.1	Evidence Based Health Care
401139.1	Clinical Supervision in Health Care
400957.3	Biological Considerations in Mental Health and Mental Illness for Advanced Practice
400858.3	Psychopharmacology for Advanced Practice Mental Health Nurses

And two elective units

Choose one of the following

401083.1	Capstone Experience in Health Care
401084.1	Research Project in Health Care

OR

Choose both units below

401085.1	Scholarship for Practice Change in Health Care
401086.1	Writing for Publication

Graduate Diploma in Mental Health Nursing

4720.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

The course aims to produce a graduate who can practise mental health nursing skilfully and within ethical and legal boundaries, and who can think abstractly and critically. The course encourages critical examination of issues such as mental health nursing knowledge, the evidence-based perspective of practice, the measurement of outcomes and the consumer movement. Issues include learning how to use the self therapeutically, relationships with clients, understanding the experience of people who have mental illnesses, disorders and crises. Students who successfully complete this course may transfer into the Master of Mental Health Nursing.

Study Mode

One year full-time or two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External

Inherent requirements

There are inherent requirements for this course that you must meet in order to complete your course and graduate. Make sure you read and understand the requirements for this course online.

Admission

All applicants must meet the following criteria to be eligible for entry:

Registered Nurse or Midwife (currently registered to practice with the Australian Health Practitioner Regulation Agency - Nursing and Midwifery)

And

Completion of an undergraduate degree (AQF Level 7 or equivalent), in any discipline

Or

Completion of a Graduate Certificate in Mental Health Nursing (AQF Level 8 or equivalent)

And

One year full-time equivalent work experience as a registered nurse or registered midwife within the last five years.

Applicants seeking admission on the basis of work experience must support their application with a statement of service for all work experience listed on the application.

One year full-time equivalent work experience as a registered nurse or registered midwife within the last five years

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed below.

400217.3	Mental Health Assessment and Application
400218.2	Mental Health Nursing Practice 1
400219.3	Mental Health Nursing Practice 2
400220.2	Contemporary Professional Practice in Mental Health Nursing
401168.1	Evidence Based Health Care
401139.1	Clinical Supervision in Health Care
400957.3	Biological Considerations in Mental Health and Mental Illness for Advanced Practice

And one elective unit

Graduate Certificate in Mental Health Nursing

4721.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

The aim of this course is for a graduate to possess necessary knowledge and clinical skills to practice mental health nursing skilfully and within ethical and legal boundaries, and who can think abstractly and critically. The course encourages critical examination of current issues in mental health within national strategic directions for mental health care. Students gain understandings of how to use the self therapeutically, and the experiences of people who have mental illnesses, disorders and crises. Students who successfully complete this course may transfer into the Graduate Diploma in Mental Health Nursing.

Study Mode

Six months full-time or one year part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External

Inherent requirements

There are inherent requirements for this course that you must meet in order to complete your course and graduate. Make sure you read and understand the requirements for this course online.

Admission

All applicants must meet the following criteria to be eligible for entry:

Registered Nurse or Registered Midwife (currently registered with the Australian Health Practitioner Regulation Agency - Nursing and Midwifery), or eligibility for same

And

One year full-time equivalent work experience as a registered nurse or registered midwife within the last five years OR current and continuing employment as a registered nurse in a mental health setting.

Applicants seeking admission on the basis of work experience must support their application with a statement of service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 40 credit points including the units listed below.

400217.3	Mental Health Assessment and Application
400218.2	Mental Health Nursing Practice 1
400219.3	Mental Health Nursing Practice 2
400220.2	Contemporary Professional Practice in Mental Health Nursing

Master of Mental Health Nursing (Nurse Practitioner)

4673.3

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

Units may be revised or replaced to ensure students are provided with up to date curriculum throughout their studies, and this may result in a new course version. Refer to the Check My Course Progress page in MySR for the most up to date information for your course.

Nurse Practitioners are expected to be clinical leaders who work autonomously from a sound evidence base, instigate diagnostic investigations, prescribe medication within an approved formulary, and refer judiciously. Students of this course undertake units of study that will prepare them for the role of Nurse Practitioner in the specialist area of mental health. This study program incorporates areas of advanced health assessment, clinical leadership, evidence-based nursing, diagnostic skills, therapeutic management, psychopharmacology, evaluation and collaboration in care. Students also have the opportunity to complete specialist electives to suit their particular practice setting.

Study Mode

Four years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	External

Accreditation

The Master of Mental Health Nursing (Nurse Practitioner) was initially accredited by the Nursing and Midwifery Board of Australia (NMBA). From 1st July 2010 the approval, recognition and accreditation of courses has been transferred to the Australian Nursing and Midwifery Accreditation Council (ANMAC). Course accreditation can be checked on their website. [Http://www.nursingmidwiferyboard.gov.au/Accreditation.aspx](http://www.nursingmidwiferyboard.gov.au/Accreditation.aspx)

Inherent requirements

There are inherent requirements for this course that you must meet in order to complete your course and graduate. Make sure you read and understand the requirements for this course online.

Admission

All applicants must meet the following criteria to be eligible for entry:

- Registered Nurse (currently registered with the Australian Health Practitioner Regulation Agency - Nursing and Midwifery) and
- An undergraduate degree in Nursing or Health Science (Nursing) or minimum of five years full-time equivalent work experience in mental health nursing and graduate certificate in mental health nursing and
- three years full-time equivalent work experience as a registered nurse, of which 12 months full-time equivalent is in an advanced clinical role in mental health

Successful applicants will need to arrange the following:

- Submission to the University of evidence of current clinical practice in an advanced clinical role in mental health, confirmed via 2 referee reports and
- Access to complete clinical experience in a mental health setting (as approved by the School or Nursing and Midwifery) and
- Contract with a University approved primary supervisor/mentor/assessor (PSMA) to meet the requirements of the course.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 160 credit points which include the units listed in the recommended sequence below. Students may exit with a Master of Mental Health Nursing on completion of the relevant units.

Recommended Sequence

Year 1

Autumn session

- 400220.2** Contemporary Professional Practice in Mental Health Nursing
- 401168.1** Evidence Based Health Care

Spring session

- 400235.2** Leadership in Clinical Practice

And one elective (for Nurse Practitioner role development)

Year 2

Autumn session

- 400238.3** Policy, Power and Politics in Health Care Provision

And one elective (for Nurse Practitioner role development)

Spring session

- 400777.3** Leadership for Quality and Safety in Health Care
- 400957.3** Biological Considerations in Mental Health and Mental Illness for Advanced Practice

Students may exit with the Graduate Diploma in Nursing Leadership (Mental Health) at this point.

Year 3

Autumn session

- 400228.3** Assessment for Advanced Practice Mental Health Nurses

And one elective (for Speciality Mental Health)

Spring session

- 400858.3** Psychopharmacology for Advanced Practice Mental Health Nurses

And one elective (for Speciality Mental Health)

Year 4

Autumn session

- 400859.2** Advanced Mental Health Nursing Clinical Practice 1

Spring session

- 400860.2** Advanced Mental Health Nursing Clinical Practice 2

Graduate Diploma in Nursing Leadership (Mental Health) (exit only)

4734.1

This is an exit course only. Applicants apply to 4673 Master of Mental Health Nursing (Nurse Practitioner) and exit with the Graduate Diploma in Nursing Leadership (Mental Health) award.

Study Mode

Two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	External

Course Structure

Qualification for this award requires the successful completion of 80 credit points which include the units listed in the recommended sequence below.

Recommended Sequence**Year 1****Autumn session**

400220.2	Contemporary Professional Practice in Mental Health Nursing
401168.1	Evidence Based Health Care

Spring session

400235.2	Leadership in Clinical Practice
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And one elective (for Nurse Practitioner role development)

Year 2**Autumn session**

400238.3	Policy, Power and Politics in Health Care Provision
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And one elective (for Nurse Practitioner role development)

Spring session

400777.3	Leadership for Quality and Safety in Health Care
400957.3	Biological Considerations in Mental Health and Mental Illness for Advanced Practice

Graduate Diploma in Midwifery**4697.1**

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

The Graduate Diploma in Midwifery is a course for registered nurses wishing to pursue a career in Midwifery. The course combines theory and practice with an emphasis on the art and science of midwifery, health promotion, communication skills, evidenced based practice and models of midwifery care within a primary health care approach. To be eligible for this course students are required to obtain a 12 month position of employment as a midwifery student in an affiliated NSW Health Local Health District hospital. The course will be offered over 15 months with the students completing the last unit in Quarter 1 of the second year.

Study Mode

Fifteen months full-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal

Accreditation

The Graduate Diploma in Midwifery is accredited by Australian Health Practitioner's Regulation Agency (AHPRA) on recommendation by the Australian Nursing and Midwifery Accreditation Council (ANMAC).

Admission

1. Registered Nurse (currently registered with the Australian Health Practitioner Regulation Agency – Nursing and Midwifery)

2. A clinical placement is required to be secured in an approved maternity hospital. The student is responsible for the application and securing of a position as a midwifery student in one of the approved hospitals. Recruitment of student midwives occurs during July through a centralised online process

Applicants for clinical placements must be a registered nurse at the time of attending the interview.

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Course Structure

Qualification for this award requires the successful completion of 100 credit points including the units listed in the recommended sequence below.

Recommended Sequence**Year 1****Summer B**

401087.1	Midwifery as a Profession
401088.1	Bioscience for Midwifery Practice

Autumn session

401089.1	Childbirth in the Australian Context
401090.1	Midwifery Practice 1

Spring session

401091.1	Complex Care
401092.1	Essentials of Best Practice in Midwifery
401093.1	Midwifery Practice 2

Year 2**Quarter 1**

401094.1	Midwifery Practice 3
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Master of Nursing

4722.1

This version of the course is available to new and continuing students. Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in the course was 2015 or later.

The aim of the Master of Nursing is to provide Registered Nurses with the theoretical knowledge and critical thinking skills to prepare them for advanced practice in the clinical setting. Students will be able to align their career goals with one of a number of professional pathways. Specialisations available include clinical leadership, clinical teaching, aged care, primary health care or research studies. Opportunities will be provided for students in their final sessions of study to synthesise and apply advanced nursing concepts through a capstone experience or research project relevant to their professional goals.

Study Mode

One and a half years full-time or three years part-time.

Location

Campus	Attendance	Mode
Hong Kong Baptist University	Part Time	Internal
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Inherent requirements

There are inherent requirements for this course that you must meet in order to complete your course and graduate. Make sure you read and understand the requirements for this course online.

Admission

Candidature for admission to the Master of Nursing and the various specialisations are detailed below:

Registered Nurse (currently registered with the Australian Health Practitioner Regulation Agency – Nursing and Midwifery), or eligibility for same, or certificate of registration of nursing, within the last five years, in their own country. Any other type of registration (non-practicing, limited, or student) is not acceptable for this course

And

Completion of an undergraduate degree in health-related sciences (AQF Level 7 or equivalent), in health science, human science, midwifery, naturopathy, nursing, nutrition, psychology

Or

Completion of a Graduate Diploma in Nursing (AQF Level 8 or equivalent)

And

One year full-time equivalent work experience as a registered nurse or registered midwife within the last five years

Applicants seeking admission on the basis of work experience MUST support their application with a statement of service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Students may complete the Master of Nursing (no specialisation) below or may enrol in and complete one of the listed Specialisations.

Master of Nursing (no specialisation)

Qualification for this award requires the successful completion of 120 credit points including the units listed below.

Students must complete the following units

401082.1	Cultural and Social Diversity in Health Care
400774.2	Perspectives on Nursing
401168.1	Evidence Based Health Care
400235.2	Leadership in Clinical Practice
400412.3	Primary Health Care and its Applications
400238.3	Policy, Power and Politics in Health Care Provision
400210.2	Health Promotion and the Nurse

And three electives

Choose one of

401083.1	Capstone Experience in Health Care
401084.1	Research Project in Health Care

Or Choose two of

401085.1	Scholarship for Practice Change in Health Care
401086.1	Writing for Publication

Specialisations

ST4014.1	Clinical Leadership
ST4015.1	Clinical Teaching
ST4016.1	Aged Care
ST4017.1	Primary Health Care
ST4018.1	Research Studies

Graduate Diploma in Nursing

4723.1

The aim of the Graduate Diploma in Nursing is to provide Registered Nurses with the theoretical knowledge and critical thinking skills to prepare them for advanced practice in the clinical setting. Graduates will be able to synthesise and apply advanced nursing concepts in order to lead nursing practice and optimise health outcomes. Students who successfully complete this course may transfer into the Master of Nursing.

Study Mode

One year full time or two years part-time.

Location

Campus	Attendance	Mode
Hong Kong Baptist University	Part Time	Internal
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External

Admission

Candidature for admission to the Graduate Diploma in Nursing is based on the following requirements

Registered Nurse (currently registered to practice with the Australian Health Practitioner Regulation Agency – Nursing and Midwifery), or eligibility for same, or certificate of registration of nursing, within the last five years, in their own country

And

Completion of an undergraduate degree (AQF Level 7 or equivalent), in any discipline

And

One year FTE professional work experience as a registered nurse within the last five years.

Applicants seeking admission on the basis of work experience MUST support their application with a statement of service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Students may complete the Graduate Diploma in Nursing (no specialisation) below or may enrol in and complete one of the listed Specialisations.

Qualification for this award requires the successful completion of 80 credit points including the units listed below.

401082.1	Cultural and Social Diversity in Health Care
400774.2	Perspectives on Nursing
401168.1	Evidence Based Health Care
400235.2	Leadership in Clinical Practice
400412.3	Primary Health Care and its Applications
400238.3	Policy, Power and Politics in Health Care Provision

And two electives

Specialisations

ST4019.1	Clinical Leadership
ST4020.1	Clinical Teaching
ST4021.1	Aged Care
ST4022.1	Primary Health Care
ST4023.1	Research Studies

Graduate Certificate in Nursing

4724.1

The aim of the Graduate Certificate in Nursing is to provide Registered Nurses with the theoretical knowledge and associated skills to prepare them for autonomous practice in clinical settings. Graduates will be able to synthesise and apply advanced nursing concepts in order to lead nursing practice and optimise health outcomes. Students who successfully complete this course may transfer to the Graduate Diploma in Nursing.

Study Mode

Six months full time or one year part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External

Admission

Candidature for admission to the Graduate Certificate in Nursing is based on the following requirements:

Registered Nurse (currently registered with the Australian Health Practitioner Regulation Agency – Nursing and Midwifery), or eligibility for same, or certificate of registration of nursing, within the last five years, in their own country

And

One year full-time equivalent work experience as a registered nurse within the last five years.

Applicants seeking admission on the basis of work experience MUST support their application with a statement of service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the

Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 40 credit points including the units listed below.

401082.1	Cultural and Social Diversity in Health Care
400774.2	Perspectives on Nursing
401168.1	Evidence Based Health Care
400235.2	Leadership in Clinical Practice

Master of Nursing (Professional Studies)

4735.1

This course commences in Spring 2015.

The aim of the Master of Nursing (Professional Studies) is to provide students who hold an undergraduate nursing degree with the theoretical knowledge and critical thinking skills to enhance their practice in the contemporary clinical setting. Opportunities will be provided for students in their final sessions of this qualification to synthesise and apply advanced nursing concepts through clinical placements as part of their capstone experience.

Study Mode

Two years full time, or four years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Admission

Candidature for admission to the Master of Nursing (Professional Studies) is based on admission requirements detailed below:

Completion of an undergraduate degree in nursing (AQF Level 7 or equivalent).

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying

directly to UWS should also use the information provided on the UAC website.

International applicants must apply directly to the University of Western Sydney via UWS International.

International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Course Structure

Qualification for this award requires the successful completion of 160 credit points including the units listed below.

401082.1	Cultural and Social Diversity in Health Care
400412.3	Primary Health Care and its Applications
400241.3	Supporting Aged Communities

And one elective

Students may exit with the Graduate Certificate in Nursing (Professional Studies) at this point.

400773.3	Mental Health for Communities
401168.1	Evidence Based Health Care
400210.2	Health Promotion and the Nurse

And one elective

Students may exit with the Graduate Diploma in Nursing (Professional Studies) at this point.

400235.2	Leadership in Clinical Practice
400238.3	Policy, Power and Politics in Health Care Provision
400774.2	Perspectives on Nursing
400777.3	Leadership for Quality and Safety in Health Care

And two electives

Capstone Unit (20 credit points)

401083.1	Capstone Experience in Health Care
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Graduate Diploma in Nursing (Professional Studies) (exit only)

4736.1

This is an exit course only. Applicants apply to 4735 Master of Nursing (Professional Studies) and exit with the Graduate Diploma in Nursing (Professional Studies) award.

Study Mode

One year full time or two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External

Campus	Attendance	Mode
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed below.

401082.1	Cultural and Social Diversity in Health Care
400412.3	Primary Health Care and its Applications
400241.3	Supporting Aged Communities
400773.3	Mental Health for Communities
401168.1	Evidence Based Health Care
400210.2	Health Promotion and the Nurse

And two electives

Graduate Certificate in Nursing (Professional Studies) (exit only)

4737.1

This is an exit course only. Applicants apply to 4735 Master of Nursing (Professional Studies) and exit with the Graduate Certificate in Nursing (Professional Studies) award.

Study Mode

Six months full time or one year part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Course Structure

Qualification for this award requires the successful completion of 40 credit points including the units listed below.

401082.1	Cultural and Social Diversity in Health Care
400412.3	Primary Health Care and its Applications
400241.3	Supporting Aged Communities

And one elective

Master of Primary Health Care

4694.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

This course aims to provide the opportunity for health, and other professionals with primary health care responsibilities to gain knowledge and understanding of primary health care that will enable leadership in this field. The course provides a focus on the knowledge and behaviour required to be a primary health care provider in a changing community environment. Opportunities will be provided for students to undertake in-depth study into aspects of primary health care that are relevant to their specific areas of work/practice.

Study Mode

One and a half years full-time or three years part-time.

Location

Campus	Attendance	Mode
Hawkesbury Campus	Full Time	External
Hawkesbury Campus	Part Time	External
Hong Kong Baptist University	Part Time	Internal

Inherent requirements

There are inherent requirements for this course that you must meet in order to complete your course and graduate. Make sure you read and understand the requirements for this course online.

Admission

Candidature for admission to the Master of Primary Health Care is based on the following requirements:

Completion of an undergraduate degree in health-related sciences (AQF Level 7 or equivalent), such as medicine, dentistry, pharmacy, pathology, optometry, nutrition, human science, naturopathy, complementary medicine, nursing, psychology, health science, sports science or physiotherapy.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 120 credit points, including the units listed in the recommended sequence below.

400412.3	Primary Health Care and its Applications
401082.1	Cultural and Social Diversity in Health Care
400836.1	Health Promotion: A Primary Health Care Approach
400856.1	Approaches to Epidemiology
400838.1	Supporting Individuals and Communities in Crisis

- 400773.3** Mental Health for Communities
400837.3 Health and Socio-political Issues in Aged Care
400414.2 Leadership and Change
400839.1 Collaborative Inquiry for Primary Health Care Action

And one elective

Choose one of the following

- 401083.1** Capstone Experience in Health Care
401084.1 Research Project in Health Care

Or

Choose both units below

- 401085.1** Scholarship for Practice Change in Health Care
401086.1 Writing for Publication

Graduate Diploma in Primary Health Care

4695.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

This course aims to provide the opportunity for health, and other professionals with primary health care responsibilities to gain knowledge and understanding of primary health care that will enable leadership in this field. The course provides a focus on the knowledge and behaviour required to be a primary health care provider in a changing community environment. Key knowledge areas include primary health care principles and application, health promotion, and strategies to support individuals and communities. Students who successfully complete this course may transfer into the Master of Primary Health Care.

Study Mode

One year full-time or two years part-time.

Location

Campus	Attendance	Mode
Hawkesbury Campus	Full Time	External
Hawkesbury Campus	Part Time	External
Hong Kong Baptist University	Part Time	Internal

Inherent requirements

There are inherent requirements for this course that you must meet in order to complete your course and graduate. Make sure you read and understand the requirements for this course online.

Admission

Candidature for admission to the Graduate Diploma in Primary Health Care is based on the following requirements:

Completion of an undergraduate degree (AQF Level 7 or equivalent) in any discipline

And

3 years FTE professional work experience in the health sector.

Applicants seeking admission on the basis of work experience MUST support their application with a statement of service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 80 credit points, including the units listed in the recommended sequence below.

- 400412.3** Primary Health Care and its Applications
401082.1 Cultural and Social Diversity in Health Care
400836.1 Health Promotion: A Primary Health Care Approach
400856.1 Approaches to Epidemiology
400838.1 Supporting Individuals and Communities in Crisis
400773.3 Mental Health for Communities
400837.3 Health and Socio-political Issues in Aged Care

And one elective

Graduate Certificate in Primary Health Care

4696.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

This course aims to provide the opportunity for health, and other professionals with primary health care responsibilities to gain knowledge and understanding of primary health care that will enable leadership in this field. The course provides a focus on the knowledge and behaviour required to be a primary health care provider in a changing community environment. Key knowledge areas include primary health care principles and application and health promotion. Students who successfully complete this course may transfer into the Graduate Diploma in Primary Health Care.

Study Mode

Six months full-time or one year part-time.

Location

Campus	Attendance Mode	
Hawkesbury Campus	Full Time	External
Hawkesbury Campus	Part Time	External
Hong Kong Baptist University	Part Time	Internal

Admission

Candidature for admission to the Graduate Certificate in Primary Health Care is based on the following requirements:

Completion of a professional qualification in health (> AQF Level 6 or equivalent), such as an Advanced Diploma or higher qualification in a discipline such as medicine, dentistry, pharmacy, pathology, optometry, nutrition, human science, naturopathy, complementary medicine, nursing, psychology, health science, sports science or physiotherapy. and

3 years FTE professional work experience in the health sector.

Applicants seeking admission on the basis of work experience must support their application with a statement of service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 40 credit points, including the units listed in the recommended sequence below.

400412.3	Primary Health Care and its Applications
401082.1	Cultural and Social Diversity in Health Care
400836.1	Health Promotion: A Primary Health Care Approach
400856.1	Approaches to Epidemiology

Specialisations

Postgraduate Specialisation - Clinical Leadership

ST4014.1

The Clinical Leadership specialisation provides students with an opportunity for clinical nurse leaders (nurse clinicians, nurse managers) and aspiring nurse leaders to gain formal education in contemporary clinical leadership to support them to facilitate nursing excellence within the clinical practice environment. Graduates who complete the Clinical Leadership specialisation will be prepared to take on clinical leadership roles such as clinical nurse specialist and clinical nurse consultant.

Location

Campus	Mode
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 120 credit points including the units listed below.

401082.1	Cultural and Social Diversity in Health Care
400774.2	Perspectives on Nursing
401168.1	Evidence Based Health Care
400238.3	Policy, Power and Politics in Health Care Provision
400235.2	Leadership in Clinical Practice
400846.3	Building Organisational Capacity in Health Care
400777.3	Leadership for Quality and Safety in Health Care

And three electives

Choose one of

401083.1	Capstone Experience in Health Care
401084.1	Research Project in Health Care

or choose two of

401085.1	Scholarship for Practice Change in Health Care
401086.1	Writing for Publication

Postgraduate Specialisation - Clinical Teaching

ST4015.1

The Clinical Teaching specialisation provides students with an opportunity to gain formal education in clinical teaching to either enhance their existing teaching experience or provide skill development in this area. Graduates who complete the Clinical Teaching specialisation will be prepared to take on a leadership role in clinical teaching in the roles such as clinical nurse educator, nurse educator, clinical nurse specialist and undergraduate placement facilitator.

Location

Campus	Mode
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 120 credit points including the units listed below.

401082.1	Cultural and Social Diversity in Health Care
400774.2	Perspectives on Nursing
401168.1	Evidence Based Health Care
400238.3	Policy, Power and Politics in Health Care Provision
400235.2	Leadership in Clinical Practice
400973.1	Clinical Teaching and Professional Development
400974.1	Clinical Teaching for Learning

And three electives

Choose one of

401083.1	Capstone Experience in Health Care
401084.1	Research Project in Health Care

or choose two of

401085.1	Scholarship for Practice Change in Health Care
401086.1	Writing for Publication

Postgraduate Specialisation - Aged Care

ST4016.1

The Aged Care specialisation provides students with an opportunity to gain formal education in contemporary aged care to either enhance their existing clinical experience or provide skill development to facilitate nursing excellence in the provision of quality aged care. Graduates who complete this specialisation in Aged Care will be prepared to take on a leadership role in nursing within aged care services.

Location

Campus	Mode
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 120 credit points including the units listed below.

401082.1	Cultural and Social Diversity in Health Care
400774.2	Perspectives on Nursing
401168.1	Evidence Based Health Care
400235.2	Leadership in Clinical Practice
400837.3	Health and Socio-political Issues in Aged Care
400846.3	Building Organisational Capacity in Health Care
400241.3	Supporting Aged Communities

And three electives

Choose one of

401083.1	Capstone Experience in Health Care
401084.1	Research Project in Health Care

or choose two of

401085.1	Scholarship for Practice Change in Health Care
401086.1	Writing for Publication

Postgraduate Specialisation - Primary Health Care**ST4017.1**

The Primary Health Care specialisation provides students with an opportunity to gain formal education in primary health care to support them to develop an holistic approach to health care within an integrated, dynamic and complex health system. Graduates of the Primary Health Care specialisation will be prepared to take on leadership roles in health care settings that promote health such as community health services, schools and medical centres.

Location

Campus	Mode
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 120 credit points including the units listed below.

401082.1	Cultural and Social Diversity in Health Care
400774.2	Perspectives on Nursing
401168.1	Evidence Based Health Care

400238.3	Policy, Power and Politics in Health Care Provision
400412.3	Primary Health Care and its Applications
400836.1	Health Promotion: A Primary Health Care Approach
400856.1	Approaches to Epidemiology

And three electives

Choose one of

401083.1	Capstone Experience in Health Care
401084.1	Research Project in Health Care

or choose two of

401085.1	Scholarship for Practice Change in Health Care
401086.1	Writing for Publication

Postgraduate Specialisation - Research Studies**ST4018.1**

The Research Studies specialisation provides students with foundation level research training that will support them to increase their involvement in research within the clinical setting or seek admission to a research higher degree. Graduates who complete the Research Studies specialisation will be prepared to function as an active member of a research team or seek admission to a higher degree research program.

Location

Campus	Mode
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 120 credit points including the units listed below.

401082.1	Cultural and Social Diversity in Health Care
400774.2	Perspectives on Nursing
400235.2	Leadership in Clinical Practice
400238.3	Policy, Power and Politics in Health Care Provision
401168.1	Evidence Based Health Care
401167.1	Applied Research in Health Care
400975.1	Ethics in Health Research
401084.1	Research Project in Health Care

And three electives

Postgraduate Specialisation - Clinical Leadership

ST4019.1

The Clinical Leadership specialisation provides students with an opportunity for clinical nurse leaders (nurse clinicians, nurse managers) and aspiring nurse leaders to gain formal education in contemporary clinical leadership to support them to facilitate nursing excellence within the clinical practice environment. Graduates who complete the Clinical Leadership specialisation will be prepared to take on clinical leadership roles such as clinical nurse specialist and clinical nurse consultant.

Location

Campus	Mode
Hong Kong	Internal
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed below.

Specialist Core

400235.2	Leadership in Clinical Practice
400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400846.3	Building Organisational Capacity in Health Care

Core

401082.1	Cultural and Social Diversity in Health Care
400774.2	Perspectives on Nursing
401168.1	Evidence Based Health Care

And one elective

Postgraduate Specialisation - Clinical Teaching

ST4020.1

The Clinical Teaching specialisation provides students with an opportunity to gain formal education in clinical teaching to either enhance their existing teaching experience or provide skill development in this area. Graduates who complete the Clinical Teaching specialisation will be prepared to take on a leadership role in clinical teaching in the roles such as clinical nurse educator, nurse educator, clinical nurse specialist and undergraduate placement facilitator.

Location

Campus	Mode
Hong Kong	Internal
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed below.

Specialist Core

400973.1	Clinical Teaching and Professional Development
400974.1	Clinical Teaching for Learning
400774.2	Perspectives on Nursing
401168.1	Evidence Based Health Care

Core

401082.1	Cultural and Social Diversity in Health Care
400238.3	Policy, Power and Politics in Health Care Provision
400235.2	Leadership in Clinical Practice

And one elective

Postgraduate Specialisation - Aged Care

ST4021.1

The Aged Care specialisation provides students with an opportunity to gain formal education in contemporary aged care to either enhance their existing clinical experience or provide skill development to facilitate nursing excellence in the provision of quality aged care. Graduates who complete this specialisation in Aged Care will be prepared to take on a leadership role in nursing within aged care services.

Location

Campus	Mode
Hong Kong	External
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed below.

Specialist Core

400837.3	Health and Socio-political Issues in Aged Care
400241.3	Supporting Aged Communities
400846.3	Building Organisational Capacity in Health Care

401085.1 Scholarship for Practice Change in Health Care

Core

401082.1 Cultural and Social Diversity in Health Care
401168.1 Evidence Based Health Care
400774.2 Perspectives on Nursing
400235.2 Leadership in Clinical Practice

Postgraduate Specialisation - Primary Health Care

ST4022.1

The Primary Health Care specialisation provides students with an opportunity to gain formal education in primary health care to support them to develop an holistic approach to health care within an integrated, dynamic and complex health system. Graduates of the Primary Health Care specialisation will be prepared to take on leadership roles in health care settings that promote health such as community health services, schools and medical centres.

Location

Campus	Mode
Hong Kong	Internal
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed below.

Specialist Core

400238.3 Policy, Power and Politics in Health Care Provision
400412.3 Primary Health Care and its Applications
400836.1 Health Promotion: A Primary Health Care Approach
400856.1 Approaches to Epidemiology

Core

401082.1 Cultural and Social Diversity in Health Care
401168.1 Evidence Based Health Care
400774.2 Perspectives on Nursing

And one elective

Postgraduate Specialisation - Research Studies

ST4023.1

The Research Studies specialisation provides students with foundation level research training that will support them to

increase their involvement in research within the clinical setting or seek admission to a research higher degree. Graduates who complete the Research Studies specialisation will be prepared to function as an active member of a research team or seek admission to a higher degree research program.

Location

Campus	Mode
Hong Kong	Internal
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed below.

Specialist Core

401168.1 Evidence Based Health Care
401167.1 Applied Research in Health Care
400975.1 Ethics in Health Research
401085.1 Scholarship for Practice Change in Health Care

Core

401082.1 Cultural and Social Diversity in Health Care
400774.2 Perspectives on Nursing
400235.2 Leadership in Clinical Practice

And one elective

SCHOOL OF COMPUTING, ENGINEERING AND MATHEMATICS

Master of Advanced Networking

3722.1

This online Masters course consists of a Postgraduate Diploma in Advanced Networking and a Masters dissertation. The postgraduate diploma consists of four professional vocational units, which include the Cisco Certified Network Professional (CCNP) materials. It will provide students with the knowledge, understanding, and skills needed to install, configure and maintain local and wide area networks. Students will be provided with hands-on experience of configuring networks using online tools. The final dissertation draws together the knowledge and skills in a research-based project. Professionals in IT and related fields will benefit from the completion of a dissertation, helping them to develop the skills required for systematically addressing problems in their own organisations. The Masters is also relevant as a basis for further studies at doctoral level or for students working professionally requiring knowledge and experience of advanced networking and research methods.

Study Mode

Three years part-time.

Location

Campus Attendance Mode

Online Full Time Multi Modal

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree in computing, information systems, information and communication technology or software engineering

Or

Seven plus years full time equivalent work experience in computer networking or communication technology.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

A significant part of this course is based on Cisco Certified Networking Professional (CCNP) curricula. Applicants will need an understanding of the principals covered in the Cisco Certified Networking Associate (CCNA) course before enrolment. In addition, to obtain CCNP certification a successful pass grade in BOTH CCNP and CCNA certification examinations are required.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English

proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Recommended Sequence

Part-Time

Year 1

Autumn session

301065.1 Advanced Routing

Spring session

301066.1 Multilayer Switching

At this point, students may exit with a Graduate Certificate in Advanced Networking

Year 2

Autumn session

301067.1 Optimising Networks

Spring session

301068.1 Network Security

At this point, students may exit with a Graduate Diploma in Advanced Networking

Year 3

The Year 3 structure will display as soon as available

Graduate Diploma in Advanced Networking

3723.1

As a Cisco Academy, UWS can offer students the opportunity to study the Cisco Certified Network Professional (CCNP) programme using the latest CCNP curriculum. The Graduate Diploma course will provide students with the knowledge, understanding, and skills needed to install, configure and maintain local and wide area networks. Students will be provided with hands-on experience of configuring networks using online tools. On completion of this diploma students will be able to go on and gain the industry recognised certification by taking the CCNP examinations.

Simultaneously, course materials, assessment and tutorial support provided will enable students to broaden their understanding beyond the Cisco domain and to gain a recognised postgraduate diploma. Students may continue their studies and pursue a research project to gain a Master of Advanced Networking.

Study Mode

Two years part-time.

Location**Campus Attendance Mode**

Online Full Time Multi Modal

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree or associate diploma in computing, information systems, information and communication technology or software engineering

Or

Five plus years full time equivalent work experience in computer networking or communication technology.

Course Structure**Recommended Sequence****Part-Time****Year 1****Autumn session****301065.1** Advanced Routing**Spring session****301066.1** Multilayer Switching**At this point, students may exit with a Graduate Certificate in Advanced Networking****Year 2****Autumn session****301067.1** Optimising Networks**Spring session****301068.1** Network Security**Graduate Certificate in Advanced Networking****3724.1**

As a Cisco Academy, UWS can offer students the opportunity to study the Cisco Certified Network Professional (CCNP) programme using the latest CCNP curriculum. The Graduate Certificate course will provide students with the knowledge and understanding of advanced routing and network security. Students will be provided with hands-on experience of configuring networks using online tools. On completion of this graduate certificate students will be able to go on and gain the industry recognised certification by taking the CCNP examinations. Students may also choose to continue their studies and

pursue two more units to gain a Graduate Diploma in Advanced Networking that will enable them to gain the industry recognised certification that will enable them to gain the industry recognised certification.

Study Mode

One year part-time.

Location**Campus Attendance Mode**

Online Full Time Multi Modal

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree or associate diploma in computing, information systems, information and communication technology or software engineering

OR

Three plus years full time equivalent work experience in computer networking or communication technology.

Course Structure**Recommended Sequence****Part-Time****Year 1****Autumn session****301065.1** Advanced Routing**Spring session****301066.1** Multilayer Switching**Master of Bushfire Protection****3708.1**

This three year part-time distance learning course provides students with an understanding of the behaviour and danger of bushfires. Students will gain the knowledge of the relevant planning provisions, building regulations, standards and emergency management arrangements for bushfire protection. Graduates will be able to conduct risk assessments, provide advice on developments in bushfire prone areas and develop alternative engineering design solutions. Graduates will also acquire the skill to independently conduct research to address contemporary issues faced by the building industry in bush fire prone areas.

Although most units in the course do not have compulsory attendance to workshops, there are a few exceptions where attendance and presentations are required.

Students can fast-track by completing additional units per session to complete the course earlier.

Study Mode

Three years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	External

Accreditation

Accreditation by Fire Protection Association Australia is currently being sought.

Admission

Applicants must have an undergraduate degree, or higher, in bushfire protection, engineering, land surveying, building, building surveying, construction, planning, urban studies, architecture, landscape architecture, physical sciences, environmental studies, natural resource management, emergency management, land-use planning, local government or public sector management.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 160 credit points as per the recommended sequence below.

Recommended Sequence**Year 1****Summer A session**

300708.3	Planning and Development Control
200500.2	Bushfire Fighting

Autumn session

200457.3	Bushfire Behaviour
300947.1	Building Regulations

Spring session

200458.2	Building in Bushfire Prone Areas
301049.1	Planning for Bushfire Prone Areas

Students may exit at this point with a Graduate Certificate in Bushfire Protection**Year 2****Summer A session**

301002.1	Specialised Software Applications
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Autumn session

300948.1	Fire Technology and Engineering Principles
301005.1	Professional Practice and Communication

Q3 session

301050.1	Disaster and Emergency Management (PG)
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Spring session

200459.2	Emergency Management for Bushfire Prone Areas
200499.3	Alternative Solutions for Bushfire Prone Areas

Students may exit at this point with a Graduate Diploma in Bushfire Protection**Year 3****Autumn session**

300597.3	Master Project 1
301004.1	Research Preparation in Post Graduate Studies

Spring session

300598.4	Master Project 2
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And one elective

Graduate Diploma in Bushfire Protection**3709.1**

This two year part-time distance learning course provides students with a comprehensive understanding of the behaviour and danger of bushfires in relation to local vegetation, land management and weather conditions. Students will gain the knowledge of emergency management and bushfire fighting techniques. Graduates will be able to provide advice on developments in bushfire prone areas, assess building designs against both the deemed-to-satisfy and performance requirements of the planning provisions, building code and standards. The course is a recognised qualification for accreditation with the relevant professional body.

Although most units in the course do not have compulsory attendance to workshops, there are a few exceptions where attendance and presentations are required.

Students may be able to fast track by completing additional units per semester to complete the course. This course also sets a pathway for further learning at the Master level.

Study Mode

Two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	External

Accreditation

The course is recognised by Fire Protection Association Australia as a qualification for accreditation under the Bushfire Planning and Design scheme.

Admission

Applicants must have an undergraduate degree, or higher, in bushfire protection, engineering, land surveying, building, building surveying, construction, planning, urban studies, architecture, landscape architecture, physical sciences, environmental studies, natural resource management, emergency management, land-use planning, local government or public sector management;

Or

An AQF Diploma or higher in the bushfire protection, engineering, land surveying, building, building surveying, construction, planning, urban studies, architecture, landscape architecture, physical sciences, environmental studies, natural resource management, emergency management, land-use planning, local government or public sector management PLUS 4 years professional and/or voluntary work experience in the relevant fields in industry, local government, or state fire services.

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 120 credit points as per the recommended sequence below.

Recommended Sequence**Year 1****Summer A session**

300708.3	Planning and Development Control
200500.2	Bushfire Fighting

Autumn session

200457.3	Bushfire Behaviour
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300947.1	Building Regulations
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Spring session

200458.2	Building in Bushfire Prone Areas
301049.1	Planning for Bushfire Prone Areas

Students may exit at this point with a Graduate Certificate in Bushfire Protection**Year 2****Summer A session**

301002.1	Specialised Software Applications
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Autumn session

300948.1	Fire Technology and Engineering Principles
301005.1	Professional Practice and Communication

Q3 session

301050.1	Disaster and Emergency Management (PG)
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Spring session

200459.2	Emergency Management for Bushfire Prone Areas
200499.3	Alternative Solutions for Bushfire Prone Areas

Graduate Certificate in Bushfire Protection**3710.1**

This one year part-time distance learning course aims to provide professionals with a comprehensive understanding of the behaviour and danger of bushfires in relation to local vegetation, land management and weather conditions. Students will gain the knowledge of the relevant planning and building regulations, standards and fire fighting. Graduates will be able to provide advice on developments in bushfire prone areas, assess building designs against the deemed-to-satisfy provisions of the building code and standards. The course is a recognised qualification for accreditation with the relevant professional body.

Although most units in the course do not have compulsory attendance to workshops, there are a few exceptions where attendance and presentations are required.

This course sets a pathway for further learning at Graduate Diploma and Masters levels.

Study Mode

One year part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	External

Accreditation

The course is recognised by Fire Protection Association Australia as a qualification for professional accreditation under the Bushfire Planning and Design scheme.

Admission

Applicants must have an undergraduate degree or higher, in bushfire protection, engineering, land surveying, building, building surveying, construction, planning, urban studies, architecture, landscape architecture, physical sciences, environmental studies, natural resource management, emergency management, land-use planning, local government or public sector management;

Or

A Diploma or higher in in bushfire protection, engineering, land surveying, building, building surveying, construction, planning, urban studies, architecture, landscape architecture, physical sciences, environmental studies, natural resource management, emergency management, land-use planning, local government or public sector management PLUS 2 years professional and/or voluntary work experience in the relevant fields in industry, local government or state fire services;

Or

A Certificate III or higher (AQF 3 or higher) in in bushfire protection, engineering, land surveying, building, building surveying, construction, planning, urban studies, architecture, landscape architecture, physical sciences, environmental studies, natural resource management, emergency management, land-use planning, local government or public sector management or public safety (firefighting) PLUS at least 5 years professional and/or voluntary work experience in the relevant fields in industry, local government or state fire services.

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 60 credit points as per the recommended sequence below.

Recommended Sequence**Year 1****Summer A session**

300708.3 Planning and Development Control
200500.2 Bushfire Fighting

Autumn session

200457.3 Bushfire Behaviour
300947.1 Building Regulations

Spring session

200458.2 Building in Bushfire Prone Areas
301049.1 Planning for Bushfire Prone Areas

Master of Building Surveying**3703.1**

This three year part-time distance learning course aims to provide students with the special knowledge and skills to assess, evaluate and recommend building solutions. It is relevant to professionals certifying alternative solutions under the performance based building code and other relevant standards and guidelines. The course enables students to understand performance requirements, basic fire safety technology and engineering principles, building access and sustainability and other issues related to building surveying practice. The graduates will also acquire the skill to independently appraise the literature and conduct research to address building surveying contemporary issues faced by the building industry.

Although most units in the course do not have compulsory attendance to workshops, there are a few exceptions where attendance and presentations are required.

Students can fast-track by completing additional units per session to complete the course earlier.

Study Mode

Three years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	External

Accreditation

The course is recognised by NSW Building Professionals Board (BPB). Full accreditation with Australian Institute of Building Surveyors (AIBS) is being sought.

Admission

Applicants must have an undergraduate degree or higher, in engineering, building, building surveying, construction, planning, bushfire protection or architecture.

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills

Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 160 credit points as per the recommended sequence below.

Recommended Sequence

Year 1

Summer A session

300708.3 Planning and Development Control
300713.2 Building Engineering

Autumn session

300948.1 Fire Technology and Engineering Principles
300947.1 Building Regulations

Spring session

300711.3 Building Fire Services
300717.3 Egress and Risk Assessment

Students may exit at this point with a Graduate Certificate in Building Surveying

Year 2

Summer A session

301002.1 Specialised Software Applications

Autumn session

300716.2 Building Studies
301005.1 Professional Practice and Communication

Q3 session

301050.1 Disaster and Emergency Management (PG)

Spring session

300718.2 Fire Engineering Design and Assessment
200458.2 Building in Bushfire Prone Areas

Students may exit at this point with a Graduate Diploma in Building Surveying

Year 3

Autumn session

300597.3 Master Project 1
301004.1 Research Preparation in Post Graduate Studies

Spring session

300598.4 Master Project 2

And one elective unit

Graduate Diploma in Building Surveying

3704.1

This two year part-time distance learning course aims to provide students with the special knowledge and skills to assess, evaluate and recommend building solutions. It is relevant to professionals certifying alternative solutions under the performance based building code and other relevant standards and guidelines. The course enables students to understand performance requirements, basic fire technology and engineering principles, building access and sustainability and other issues related to building surveying practice.

Although most units in the course do not have compulsory attendance to workshops, there are a few exceptions where attendance and presentations are required.

Students can fast-track by completing additional units per session to complete the course earlier. This course sets a pathway for further learning at the advanced Master level

Study Mode

Two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	External

Accreditation

The course is recognised by NSW Building Professionals Board (BPB). Full accreditation with Australian Institute of Building Surveyors (AIBS) is being sought.

Admission

Applicants must have an undergraduate degree, or higher, in engineering, building, building surveying, construction, planning, bushfire protection or architecture;

Or

A Diploma or higher, in engineering, building, building surveying, construction, planning, bushfire protection or architecture PLUS at least 4 years professional work experience in the relevant fields in the building industry or local government.

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 120 credit points as per the recommended sequence below.

Recommended Sequence

Year 1

Summer A session

300708.3 Planning and Development Control
300713.2 Building Engineering

Autumn session

300948.1 Fire Technology and Engineering Principles
300947.1 Building Regulations

Spring session

300711.3 Building Fire Services
300717.3 Egress and Risk Assessment

Students may exit at this point with a Graduate Certificate in Building Surveying

Year 2

Summer A session

301002.1 Specialised Software Applications

Autumn session

300716.2 Building Studies
301005.1 Professional Practice and Communication

Q3 session

301050.1 Disaster and Emergency Management (PG)

Spring session

300718.2 Fire Engineering Design and Assessment
200458.2 Building in Bushfire Prone Areas

Graduate Certificate in Building Surveying (Exit Only)

3712.1

This course is an exit point only for students undertaking 3703 Master of Building Surveying or 3704 Graduate Diploma in Building Surveying.

Study Mode

One year part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	External

Admission

The Graduate Certificate in Building Surveying will not be offered to commencing students. It will be made available only as an exit point for Master of Building Surveying and Graduate Diploma in Building Surveying students.

Course Structure

Students may choose to exit the Master of Building Surveying or Graduate Diploma in Building Surveying after completing 60 credit points as per the recommended sequence below.

Recommended Sequence

Year 1

Summer A session

300708.3 Planning and Development Control
300713.2 Building Engineering

Autumn session

300948.1 Fire Technology and Engineering Principles
300947.1 Building Regulations

Spring session

300711.3 Building Fire Services
300717.3 Egress and Risk Assessment

Master of Computing

3713.1

The online Master of Computing allows students to undertake an independent research-based project, backed up with a wide range of industry relevant units. Designed for those with a bachelors' degree in computing or a related discipline, or who have extensive industrial experience in this area, this qualification brings together theory and practice and allows students to draw on their own background and experience. With the aim of developing a professional approach to the study and application of computing this qualification incorporates study and transferable skills applicable to employment and continuing professional development.

Study Mode

Three years part-time.

Location

Campus Attendance Mode

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree in computing, information systems, information and communication technology or software engineering and not more than one fail grade in the degree.
Or

Seven years full time equivalent work experience in computing, information systems, information and communication technology or software engineering.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Recommended Sequence

Part-Time

Year 1

Autumn session

301051.1 Systems Project Management

Spring session

301052.1 Digital Forensics

At this point, students may exit with a Graduate Certificate in Computing

Year 2

Autumn session

301053.1 Strategy for Technological Innovation

Spring session

301054.1 Thinking Strategically: Systems Tools for Managing Change

At this point, students may exit with a Graduate Diploma in Computing

Year 3

The Year 3 structure will display as soon as available

Graduate Diploma in Computing

3714.1

The Graduate Diploma in Computing offers an advanced-level knowledge of computing. Designed for those with a bachelor's degree in computing or a related discipline, or

who have relevant industrial experience in this area and have demonstrated they can study at postgraduate level, the Graduate Diploma in Computing brings together theory and practice and allows students to draw on their own background and experience. Students will have an opportunity to study a range of units in project management, digital forensics, technical innovation and strategic thinking. On successful completion of the Graduate Diploma in Computing students could choose to go on to study for the Master of Computing.

Study Mode

Two years part-time.

Location

Campus Attendance Mode

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree in computing, information systems, information and communication technology or software engineering and not more than one fail grade in the degree.

Or

Five years full time equivalent work experience in computing, information systems, information and communication technology or software engineering

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Recommended Sequence

Part-Time

Year 1

Autumn session

301051.1 Systems Project Management

Spring session

301052.1 Digital Forensics

At this point, students may exit with a Graduate Certificate in Computing**Year 2****Autumn session****301053.1** Strategy for Technological Innovation**Spring session****301054.1** Thinking Strategically: Systems Tools for Managing Change**Graduate Certificate in Computing**

3715.1

Designed to support students continuing professional development and provide evidence of an ability to study at postgraduate level, this certificate enables students to develop knowledge and skills and the professional attitude to the application of those skills. This graduate certificate initially focuses on project management from initiation, through to planning, scheduling, execution, handover and review. The second unit, Digital Forensics examines how to conduct investigations to correctly gather, analyse and present digital evidence to both business and legal audiences. Students may also choose to continue their studies and pursue two more units in technical innovation and strategic thinking to gain a Graduate Diploma in Computing.

The Graduate Certificate is a valuable qualification, recognised by industry and frequently attracting students sponsored by their employers. For those with appropriate industry experience but lacking a bachelor's degree in computing it can be used to demonstrate the ability to study at postgraduate level and give access to the Graduate Diploma and Master of Computing degree qualifications.

Study Mode

One year part-time.

Location**Campus Attendance Mode**

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree in computing, information systems, information and communication technology or software engineering and not more than one fail grade in the degree.

Or

Five years full time equivalent work experience in computing, information systems, information and communication technology or software engineering

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure**Recommended Sequence****Part-Time****Year 1****Autumn session****301051.1** Systems Project Management**Spring session****301052.1** Digital Forensics**Master of Engineering**

3693.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

The Master of Engineering has been designed to meet Engineers Australia professional accreditation requirements. It enables professionals in Engineering and recent graduates to adapt to a dynamically developing and changing technological environment through the upgrading of their skills and knowledge. The course provides students with training opportunities to foster a culture of life-long learning. Graduates of the course will have a firm foundation to further build their skills as their specialised professional field evolves. Advanced standing may be granted for relevant prior studies.

Study Mode

Two years full-time or four years part-time.

Location**Campus Attendance Mode**

Penrith Campus Full Time Internal

Penrith Campus Part Time Internal

Accreditation

Accreditation by Engineers Australia is being sought.

Admission

Applicants must have successfully completed a recognised four year undergraduate degree, or higher, in engineering

in one of the specialisations, e.g. Civil, Environmental, Mechatronic, Mechanical, Electrical, Telecommunication.

Additional Information:

Advanced standing may be granted for relevant prior studies for students who have successfully completed an Engineers Australia accredited four year Bachelor of Engineering program.

Students who have successfully completed a recognised three year undergraduate degree in Science or four year Bachelor of Engineering in a different specialisation or equivalent qualifications must undertake and complete specified non-award undergraduate engineering units with approval of the Director of Academic Program before articulation to the Master of Engineering.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admission Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre (UAC) website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 160 credit points including the units listed below.

Students must complete 8 core units, 5 specialised alternates from chosen area of specialisation and 3 x 10 credit point electives.

Core Units

301002.1	Specialised Software Applications
300597.3	Master Project 1
300598.4	Master Project 2
301003.1	Sustainable Systems
301004.1	Research Preparation in Post Graduate Studies
301005.1	Professional Practice and Communication
301006.1	Advanced Engineering Project 1
301007.1	Advanced Engineering Project 2

Specialisations

All students must enrol in a Specialisation before enrolling in their units

ST3027.1	Civil
ST3028.1	Electrical
ST3029.1	Environmental
ST3030.1	Mechanical
ST3031.1	Mechatronic
ST3032.1	Telecommunication

Recommended Sequence

In 2015, units may not be offered in their recommended sequence. Students will need to seek Academic advice.

Year 1

Autumn session

301005.1	Professional Practice and Communication
301003.1	Sustainable Systems

Specialised Alternate 1 or Elective 1
Specialised Alternate 2 or Elective 2

Spring session

301004.1	Research Preparation in Post Graduate Studies
301006.1	Advanced Engineering Project 1

Elective 1 or Specialised Alternate 1
Elective 2 or Specialised Alternate 2

Year 2

Autumn session

300597.3	Master Project 1
301007.1	Advanced Engineering Project 2

Specialised Alternate 3 or Elective 3
Specialised Alternate 4

Spring session

300598.4	Master Project 2
301002.1	Specialised Software Applications

Elective 3 or Specialised Alternate 3
Specialised Alternate 5

Specialist alternate offering is subject to sufficient student demand and may not be offered annually.

Students must also complete (as a condition for EA accreditation) a 12-week industrial experience training program:

301027.1	Industrial Experience (PG)
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Graduate Diploma in Engineering (exit only)

3694.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

This is an exit award only. Students may choose to exit the Master of Engineering after completing 120 Credit Points with the degree of Graduate Diploma in Engineering.

The Graduate Diploma in Engineering provides an opportunity to professionals in Engineering and recent graduates to adapt to a dynamically developing and

changing technological environment through the upgrading of their skills and knowledge. The course provides students with opportunities to foster a culture of life-long learning. Graduates of the course will have a foundation to maintain their skills as their specialised professional field evolves.

Study Mode

One and a half years full time or three years part-time.

Location

Campus	Attendance	Mode
Penrith Campus	Full Time	Internal
Penrith Campus	Part Time	Internal

Admission

Graduate Diploma in Engineering will not be offered to commencing students. It will be made available only as an exit point for Master of Engineering students.

Course Structure

The Graduate Diploma is a 120 credit point degree and is an exit award only from the Master of Engineering. Students may exit with the Graduate Diploma on completion of six core units, four specialised alternates from chosen area of specialisation and two x 10 credit point electives.

Core Units

301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
301003.1	Sustainable Systems
301002.1	Specialised Software Applications
301006.1	Advanced Engineering Project 1
301007.1	Advanced Engineering Project 2

Specialisation offered:

All students must enrol in a Specialisation before enrolling in their units

ST3027.1	Civil
ST3028.1	Electrical
ST3029.1	Environmental
ST3030.1	Mechanical
ST3031.1	Mechatronic
ST3032.1	Telecommunication

Graduate Certificate in Engineering

3695.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course is 2015 or later.

The Graduate Certificate in Engineering enhances the specialist training of students at a postgraduate level and enables them to adapt to a dynamically developing and changing technological environment. The course also prepares students, especially those coming from a non-

Australian learning background, for higher level postgraduate training.

Study Mode

One year full time or two years part-time.

Location

Campus	Attendance	Mode
Penrith Campus	Full Time	Internal
Penrith Campus	Part Time	Internal

Admission

Applicants must have successfully completed an Engineers Australia accredited three year undergraduate degree in Engineering Science or a recognised four year undergraduate degree in Engineering in one of the specialisations, e.g. Civil, Environmental, Mechatronic, Mechanical, Electrical, Telecommunication.

Additional Information:

Advanced standing may be granted for relevant prior studies for students who have successfully completed an Engineers Australia accredited four year Bachelor of Engineering program.

Those who have successfully completed a recognised three year undergraduate degree in Science or four year Bachelor of Engineering in another specialisation or equivalent qualifications must undertake and complete specified non-award undergraduate engineering units with approval of the Director of Academic Program before articulation to the Graduate Certificate in Engineering.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admission Centre (UAC).

International applicants must apply directly to the University of Western Sydney via UWS International.

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Details of minimum English proficiency requirements and acceptable proof can be found on the Universities Admissions Centre (UAC) website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 80 credit points including the units listed below.

Students must complete four core units and four specialised alternates from chosen area of specialisation.

Core Units

301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
301003.1	Sustainable Systems
301006.1	Advanced Engineering Project 1

Specialisations

All students must enrol in a Specialisation before enrolling in their units

ST3027.1	Civil
ST3028.1	Electrical
ST3029.1	Environmental
ST3030.1	Mechanical
ST3031.1	Mechatronic
ST3032.1	Telecommunication

Master of Fire Safety Engineering

3705.1

This three year part-time distance learning course aims to provide professionals with the special skills and knowledge to develop, assess and evaluate fire safety engineering solutions for built environment. The course covers fire safety science and engineering principles. It is relevant to professionals developing alternative solutions using the fire engineering guidelines to meet the objectives and performance requirements of building regulations. Graduates will also acquire the skill to independently appraise the literature and address fire safety engineering issues faced by the building industry.

Although most units in the course do not have compulsory attendance to workshops, there are a few exceptions where attendance and presentations are required.

Students can fast-track by completing additional units per semester to complete the course earlier. The course is a recognised qualification for professionals seeking accreditation as a Fire Safety Engineer.

Study Mode

Three years part-time.

Location

Campus	Attendance Mode
Parramatta Campus	Part Time External

Admission

Applicants must have an undergraduate degree, or higher, in engineering, building, construction, building surveying, bushfire protection, architecture or physical sciences.

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 160 credit points as per the recommended sequence below.

Recommended Sequence

Year 1

Summer A session

301048.1	Fire Engineering Science
300713.2	Building Engineering

Autumn session

300947.1	Building Regulations
300709.2	Fire Engineering 1 (Fire Dynamics)

Spring session

300717.3	Egress and Risk Assessment
300711.3	Building Fire Services

Students may exit at this point with a Graduate Certificate in Fire Safety Engineering

Year 2

Summer A session

301002.1	Specialised Software Applications
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Autumn session

300710.2	Fire Engineering 2 (Fire Models)
301005.1	Professional Practice and Communication

Q3 session

301050.1	Disaster and Emergency Management (PG)
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Spring session

200458.2	Building in Bushfire Prone Areas
300718.2	Fire Engineering Design and Assessment

Students may exit at this point with a Graduate Diploma in Fire Safety Engineering

Year 3

Autumn session

300597.3	Master Project 1
301004.1	Research Preparation in Post Graduate Studies

Spring session

300598.4	Master Project 2
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And one elective

Graduate Diploma in Fire Safety Engineering

3706.1

This two year part-time distance learning course aims to provide professionals with the special skills and knowledge to develop, assess and evaluate fire safety engineering solutions for built environment. The course covers fire safety science and engineering principles. It is relevant to professionals developing alternative solutions using the fire engineering guidelines to meet the objectives and performance requirements of building regulations.

Although most units in the course do not have compulsory attendance to workshops, there are a few exceptions where attendance and presentations are required.

Students can fast-track by completing additional units per semester to complete the course earlier. The course is a recognised qualification for professionals seeking accreditation as a Fire Safety Engineer.

Study Mode

Two years part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	External

Admission

Applicants must have an undergraduate degree, or higher, in engineering, building, construction, building surveying, bushfire protection, architecture or physical sciences;

Or

A Diploma or higher in engineering, building, construction, building surveying, bushfire protection, architecture or physical sciences plus four years professional and/or voluntary work experience in the relevant fields in the building industry, local government or state fire services.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Course Structure

Qualification for this award requires the successful completion of 120 credit points as per the recommended sequence below.

Recommended Sequence

Year 1

Summer A session

301048.1	Fire Engineering Science
300713.2	Building Engineering

Autumn session

300947.1	Building Regulations
300709.2	Fire Engineering 1 (Fire Dynamics)

Spring session

300717.3	Egress and Risk Assessment
300711.3	Building Fire Services

Students may exit at this point with a Graduate Certificate in Fire Safety Engineering

Year 2

Summer A session

301002.1	Specialised Software Applications
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Autumn session

300710.2	Fire Engineering 2 (Fire Models)
301005.1	Professional Practice and Communication

Q3 session

301050.1	Disaster and Emergency Management (PG)
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Spring session

200458.2	Building in Bushfire Prone Areas
300718.2	Fire Engineering Design and Assessment

Graduate Certificate in Fire Safety Engineering

3707.1

This one year part-time distance learning course aims to provide professionals with the special skills and knowledge to develop, assess and evaluate fire safety engineering solutions for built environment. The course delivers the fundamentals of fire safety science and engineering principles. It introduces the performance based build regulatory framework under which fire safety engineering is practiced. The active building fire services, human response to fires and the concept of risk are also covered. The course is relevant to professionals assessing alternative solutions to meet the objectives and performance requirements of building regulations. The

course sets a pathway to advanced qualification at the Graduate Diploma level.

Study Mode

One year part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Part Time	External

Admission

Applicants must have an undergraduate degree, or higher, in engineering, building, construction, building surveying, bushfire protection, architecture or physical sciences;

Or

A Diploma or higher in engineering, building, construction, building surveying, bushfire protection, architecture or physical sciences plus two years professional and/or voluntary work experience in the relevant fields in the building industry, local government or state fire services.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 60 credit points as per the recommended sequence below.

Recommended Sequence

Year 1

Summer A session

301048.1	Fire Engineering Science
300713.2	Building Engineering

Autumn session

300947.1	Building Regulations
300709.2	Fire Engineering 1 (Fire Dynamics)

Spring session

300717.3	Egress and Risk Assessment
300711.3	Building Fire Services

Master of Information and Communications Technology

3699.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course was 2015 or later.

Master of Information and Communications Technology (MICT) sets the foundation for students to advance their careers in Information and Communications Technology and/or continue further learning in this discipline. Students will be required to complete a work experience component in addition to a number of core and elective units. Students may also chose to complete a specialisation out of the available specialisations for this course. This course is focused on getting students engaged in enquiry-based learning to acquire knowledge in established theories and recent state-of-the-art developments. Students are also expected develop skills in problem solving and research practice and apply those skills in a professional and ethical framework to develop themselves as lifelong learners.

Study Mode

Two years full-time or one and a half years full time depending upon entry qualifications (see Pathways listed under Course Structure below) or the equivalent part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Accreditation

The Master of Information and Communications Technology is accredited with the Australian Computer Society (ACS) at Professional level.

Admission

Minimum admission requirements to this course are:

A Bachelor qualification in any discipline

Or

A Diploma in ICT/Computing/IS fields and five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming; networking; database design and development; systems analysis and design; and project management.

Additional Information

The course length and structure varies based on the student's previous study background and level, and work experience. Students should refer to the relevant Pathway listed under Course Structure below.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

International applicants must apply directly to the University of Western Sydney via UWS International.

International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

The course length and structure varies based on the student's previous study background and level, and work experience.

Students are categorised into three Pathways based on their previous study background and work experience as indicated below and course structure and length is set accordingly. See individual links for detailed course structure.

Pathway A - Two years

Students who have been admitted with non-Computing, non-ICT or non-Information Systems with Bachelor Qualifications are eligible to complete the two year Pathway below.

A3003.1 Master of Information and Communications Technology Pathway A - 2 years

Pathway B - One and a half years

Students who have been admitted with non-Computing, non-ICT or non-Information Systems with Honours or Masters Qualifications are eligible to complete the one and a half year Pathway below.

A3004.1 Master of Information and Communications Technology Pathway B - 1.5 years

Pathway C - One and a half years

Students who have been admitted with Computing, ICT or Information Systems with Bachelor OR with Honours or Masters Qualifications are eligible to complete the one a half year Pathway below.

A3005.1 Master of Information and Communications Technology Pathway C - 1.5 years

Additional Completion Requirements

Students must complete a four week full-time or part-time equivalent industry placement as a Work Integrated Learning (WIL) component and must enrol in the ICT Practicum unit to receive recognition for WIL.

301047.1 ICT Practicum

Students may also complete one of the listed Specialisations below.

ST3007.1 Networking
ST3033.1 Distributed Computing
ST3034.1 Management
ST3035.1 Web and Mobile Computing
ST3036.1 Health Informatics

Master of Information and Communications Technology (Advanced)

3698.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course was 2015 or later.

Master of Information and Communications Technology (Advanced) course is for students seeking to progress their knowledge in Information and Communications Technology (ICT) discipline. This course is designed to provide in-depth knowledge in a range of theories and state-of-the-art developments in ICT. Students will be required to complete a work experience component and a specialisation, in addition to a number of core and elective units. The course aims to develop students with knowledge and skills required in problem solving and research practice and provide opportunities to apply those skills and knowledge in a professional and ethical framework to develop themselves as lifelong learners.

Study Mode

Two and a half years full-time or two years full time depending upon entry qualifications (see Pathways listed under Course Structure below) or the equivalent part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Accreditation

The Master of Information and Communications Technology (Advanced) is accredited with the Australian Computer Society (ACS) at Professional level.

Admission

Minimum admission requirements to this course are:

A Bachelor qualification in any discipline

Or

A Diploma in ICT/Computing/IS fields and five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming; networking; database design and development; systems analysis and design; and project management.

Additional Information

The course length and structure varies based on the student's previous study background and level, and work experience. Students should refer to the relevant Pathway listed under Course Structure below.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

International applicants must apply directly to the University of Western Sydney via UWS International.

International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Course Structure

The course length and structure varies based on the student's previous study background and level, and work experience.

Students are categorised into three Pathways based on their previous study background and work experience as indicated below and course structure and length is set accordingly. See individual links for detailed course structure.

Pathway A - Two and a half years

Students who have been admitted with non-Computing, non-ICT or non-Information Systems with Bachelor Qualifications are eligible to complete the two and a half year Pathway below.

A3000.1 Master of Information and Communications Technology (Advanced) Pathway A - 2.5 years

Pathway B - Two years

Students who have been admitted with non-Computing, non-ICT or non-Information Systems with Honours or Masters Qualifications are eligible to complete the two year Pathway below.

A3001.1 Master of Information and Communications Technology (Advanced) Pathway B - 2 years

Pathway C - Two years

Students who have been admitted with Computing, ICT or Information Systems with Bachelor OR with Honours or

Masters Qualifications are eligible to complete the two year Pathway below.

A3002.1 Master of Information and Communications Technology (Advanced) Pathway C - 2 years

Additional Completion Requirements

Students must complete a four week full-time or part-time equivalent industry placement as a Work Integrated Learning (WIL) component and must enrol in the ICT Practicum unit to receive recognition for WIL.

301047.1 ICT Practicum

Students must also complete one of the listed Specialisations below.

ST3007.1 Networking
ST3033.1 Distributed Computing
ST3034.1 Management
ST3035.1 Web and Mobile Computing
ST3036.1 Health Informatics

Graduate Diploma in Information and Communications Technology

3700.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course was 2015 or later.

Graduate Diploma in Information and Communications Technology (Grad Dip in ICT) is designed for students from both computing and non-computing backgrounds, to enable them to create pathways into higher studies in Information and Communications Technology and/or commencing a career in ICT. This course is aimed at allowing students to gain knowledge in state of the art developments in the ICT field, apply that knowledge in a professional and ethical framework and develop themselves as lifelong learners.

Study Mode

One and a half years full-time or one year full time depending upon entry qualifications (see Pathways listed under Course Structure below) or the equivalent part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Admission

Minimum admission requirements to this course are:

A Bachelor qualification in any discipline

Or

A Diploma in ICT/Computing/IS fields and five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming; networking; database

design and development; systems analysis and design; and project management.

Additional Information

The course length and structure varies based on the student's previous study background and level, and work experience. Students should refer to the relevant Pathway listed under Course Structure below.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

International applicants must apply directly to the University of Western Sydney via UWS International.

International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

The course length and structure varies based on the student's previous study background and level, and work experience.

Students are categorised into three Pathways based on their previous study background and work experience as indicated below and course structure and length is set accordingly. See individual links for detailed course structure.

Pathway A - One and a half years

Students who have non-Computing, non-ICT or non-Information Systems with Bachelor qualifications are eligible to complete the one and a half year Pathway below.

A3006.1 Graduate Diploma in Information and Communications Technology
Pathway A - 1.5 years

Pathway B - One year

Students who have non-Computing, non-ICT or non-Information Systems with Honours or Masters qualifications are eligible to complete the one year Pathway below.

A3007.1 Graduate Diploma in Information and Communications Technology
Pathway B - 1 year

Pathway C - One year

Students who have Computing, ICT or Information Systems with Bachelor OR with Honours or Masters qualifications are eligible to complete the one year Pathway below.

A3008.1 Graduate Diploma in Information and Communications Technology
Pathway C - 1 year

Graduate Certificate in Information and Communications Technology

3701.1

Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in this course was 2015 or later.

Graduate Certificate in Information and Communications Technology (Grad Cert in ICT) is designed for students from both computing and non-computing backgrounds. This course empowers students from computing background to enhance and update their knowledge in core concepts related to Information and Communications Technology domain to further progress their careers. Students from non-computing backgrounds can develop knowledge and skills in core topics related to ICT creating a pathway to higher studies in ICT and/or commencing a career in ICT.

Study Mode

One year full-time or six months full time depending upon entry qualifications (see Pathways listed under Course Structure below) or the equivalent part-time.

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal

Admission

Minimum admission requirements to this course are:

A Bachelor qualification in any discipline

Or

A Diploma in ICT/Computing/IS fields and five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming; networking; database design and development; systems analysis and design; and project management.

Additional Information

The course length and structure varies based on the student's previous study background and level, and work experience. Students should refer to the relevant Pathway listed under Course Structure below.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

International applicants must apply directly to the University of Western Sydney via UWS International.

International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

The course length and structure varies based on the student's previous study background and level, and work experience.

Students are categorised into three Pathways based on their previous study background and work experience as indicated below and course structure and length is set accordingly. See individual links for detailed course structure.

Pathway A - One year

Students who have non-Computing, non-ICT or non-Information Systems with Bachelor qualifications are eligible to complete the one year Pathway below.

A3009.1 Graduate Certificate in Information and Communications Technology Pathway A - 1 year

Pathway B - Six months

Students who have non-Computing, non-ICT or non-Information Systems with Honours or Masters qualifications are eligible to complete the six month Pathway below.

A3010.1 Graduate Certificate in Information and Communications Technology Pathway B - 0.5 year

Pathway C - Six months

Students who have Computing, ICT or Information Systems with Bachelor OR with Honours or Masters qualifications are eligible to complete the six month Pathway below.

A3011.1 Graduate Certificate in Information and Communications Technology Pathway C - 0.5 year

Master of Mathematics

3716.1

The online Master of Mathematics course has been designed for students who want to continue their mathematics studies by delving more deeply into particular aspects of pure and applied mathematics. The units may well be of interest to mathematically inclined scientists and engineers as well as to mathematicians.

Study Mode

Three years part-time.

Location

Campus Attendance Mode

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree or higher in mathematics (not statistics), pure mathematics or applied mathematics.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Recommended Sequence

Year 1

Autumn session

301057.1 Calculus of Variations and Advanced Calculus

Spring session

301058.1 Non-linear Ordinary Differential Equations

At this point, students may exit with a Graduate Certificate in Mathematics

Year 2

Autumn session

301059.1 Applied Complex Variables

Spring session

301060.1 Approximation Theory

At this point, students may exit with a Graduate Diploma in Mathematics**Year 3**

The Year 3 structure will display as soon as available

Graduate Diploma in Mathematics

3717.1

The Graduate Diploma course has been designed for students who want to continue their mathematics studies by delving more deeply into particular aspects of applied mathematics. The modules may well be of interest to mathematically inclined scientists and engineers as well as to mathematicians. Students may continue their studies and pursue a research project to gain a Master of Mathematics.

Study Mode

Two years part-time.

Location**Campus Attendance Mode**

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree or higher in mathematics (not statistics), pure mathematics or applied mathematics.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure**Recommended Sequence****Year 1****Autumn session**

301057.1 Calculus of Variations and Advanced Calculus

Spring session

301058.1 Non-linear Ordinary Differential Equations

At this point, students may exit with a Graduate Certificate in Mathematics**Year 2****Autumn session**

301059.1 Applied Complex Variables

Spring session

301060.1 Approximation Theory

Graduate Certificate in Mathematics

3718.1

The Graduate Certificate in Mathematics is awarded on successful completion of two units of postgraduate mathematics study in calculus and number theory. The Graduate Certificate course is a valuable qualification in itself or it can be the first qualification in a programme of mathematics study leading to a Graduate Diploma or a Master of Mathematics. The modules offered may well be of interest to mathematically inclined scientists and engineers, as well as to mathematicians. Students may choose to continue their studies and pursue two more units to gain a Graduate Diploma in Mathematics.

Study Mode

1 year part-time.

Location**Campus Attendance Mode**

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree or higher in mathematics (not statistics), pure mathematics or applied mathematics.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Recommended Sequence

Year 1

Autumn session

301057.1 Calculus of Variations and Advanced Calculus

Spring session

301058.1 Non-linear Ordinary Differential Equations

Master of Science in Systems Thinking in Practice

3719.1

This Master of Science course looks at the way people think and approach a task or situation. Every person brings with them their own perspective, which means that people see things in different ways. The discipline of systems thinking in practice will provide the tools to challenge approaches to complex situations; to consider the roles other people play; to assess how all the different components within that situation are related; and to provide the skills to think more holistically and to work more collaboratively to avoid systemic failures. This MSc course provides students with the opportunity to carry out an investigation into an aspect of systems thinking that is of personal or professional interest or conduct a more academic in-depth research project. It will also develop students' capacity to plan, organise and carry out an extended independent study at masters level.

Study Mode

Three years part-time.

Location

Campus Attendance Mode

Online Full Time Multi Modal

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree in computing, information systems, information and communication technology or software engineering and not more than one fail grade in the degree.
Or

An undergraduate degree in business and two years full time equivalent work experience in computing, information systems, information and communication technology or software engineering.
Or

Seven years full time equivalent work experience in computing, information systems, information and communication technology or software engineering.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Recommended Sequence

Part-time

Year 1

Autumn session

301051.1 Systems Project Management

Spring session

301063.1 Software Development

At this point, students may exit with a Graduate Certificate in Science in Systems Thinking

Year 2

Autumn session

301054.1 Thinking Strategically: Systems Tools for Managing Change

Spring session

301064.1 Managing Systemic Change: Inquiry, Action and Interaction

At this point, students may exit with a Graduate Diploma in Science in Systems Thinking

Year 3

The Year 3 structure will display as soon as available

Graduate Diploma in Science in Systems Thinking in Practice

3720.1

This Graduate Diploma course develops the students' abilities to tackle complex, messy situations associated with the management of technology related projects and in particular management of software development. It

provides the tools to challenge the standard approaches to complex problems; to consider the roles other people play; to assess how all the different components within that situation are related. It provides students with the skills to think more holistically and to work more collaboratively to avoid systemic failures. The discipline of systems thinking in practice will provide you with the tools and skills to take a more holistic view of situations and to work collaboratively to tackle problems and move towards effective solutions. Students may continue their studies and pursue a research project to gain a Master of Science in Systems Thinking in Practice.

Study Mode

Two years part-time.

Location

Campus Attendance Mode

Online Full Time Multi Modal

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree in computing, information systems, information and communication technology or software engineering and not more than one fail grade in the degree.

Or

An undergraduate degree in business and two years full time equivalent work experience in computing, information systems, information and communication technology or software engineering.

Or

Five years full time equivalent work experience in computing, information systems, information and communication technology or software engineering

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Recommended Sequence

Part-time

Year 1

Autumn session

301051.1 Systems Project Management

Spring session

301063.1 Software Development

At this point, students may exit with a Graduate Certificate in Science in Systems Thinking

Year 2

Autumn session

301054.1 Thinking Strategically: Systems Tools for Managing Change

Spring session

301064.1 Managing Systemic Change: Inquiry, Action and Interaction

Graduate Certificate in Science in Systems Thinking in Practice

3721.1

The first unit of the Graduate Certificate in Systems Thinking in Practice focuses on technology related project management from initiation, through to planning, scheduling, execution, handover and review. Software Development the second compulsory unit shifts the emphasis to analysis and synthesis that students require to develop fit-for-purpose software in an organisational context. Students may also choose to continue their studies and pursue two more units in strategic thinking and management change to gain a Graduate Diploma in Systems Thinking in Practice.

Study Mode

One year part-time.

Location

Campus Attendance Mode

Online Full Time Multi Modal

Online Part Time Multi Modal

Admission

Applicants must have successfully completed an undergraduate degree in computing, information systems, information and communication technology or software engineering and not more than one fail grade in the degree.

Or

An undergraduate degree in business and two years full time equivalent work experience in computing, information systems, information and communication technology or software engineering.

Or

Five years full time equivalent work experience in computing, information systems, information and communication technology or software engineering

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Recommended Sequence

Part-time

Year 1

Autumn session

301051.1 Systems Project Management

Spring session

301063.1 Software Development

Specialisations

Postgraduate Admission Pathway - Master of Information and Communications Technology (Advanced) Pathway A - 2.5 years

A3000.1

Students with Non-Computing/non-ICT/non-IS with Bachelor Qualifications must have a Minimum of three year undergraduate degree in any discipline or Approved diploma course in ICT/Computing/IS fields and minimum of five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming, networking; database design and development, systems analysis and design, and project management.

Specialisation Structure

Students must be enrolled in the Master of Information and Communications Technology (Advanced) to complete this specialisation.

Qualification for this award requires the successful completion of 200 credit points including the units listed below plus 120 hours (full time or part-time equivalent) of work experience component.

Core Units

300695.2	Network Technologies
301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
300694.2	Advanced Topics in ICT
300693.3	Web Technologies
301046.1	Big Data (PG)
300260.2	IT Project Management
300597.3	Master Project 1
300598.4	Master Project 2

And students in Pathways A and B must also complete the additional three core units.

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
301045.2	Advanced Topics in User System Interaction

Students must also enrol in the ICT Practicum unit to receive recognition for Work Integrated Learning.

301047.1	ICT Practicum
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And four units from Foundation, Specialised or Multi-disciplinary unit lists in addition to those completed for a Specialisation.

All students must also complete one of the listed Specialisations below. Note: Units for the Specialisations are all included in the Foundation, Specialised or Multi-disciplinary unit lists.

ST3007.1	Networking
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ST3033.1	Distributed Computing
ST3034.1	Management
ST3035.1	Web and Mobile Computing
ST3036.1	Health Informatics

Full Time - Start Year Intake

Year 1

Autumn session

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
301005.1	Professional Practice and Communication

Spring session

301004.1	Research Preparation in Post Graduate Studies
300694.2	Advanced Topics in ICT
300693.3	Web Technologies

And one unit from Foundation, Specialised or Multi-disciplinary unit lists.

Year 2

Autumn session

301045.2	Advanced Topics in User System Interaction
301046.1	Big Data (PG)
300260.2	IT Project Management
300597.3	Master Project 1

Spring session

300598.4	Master Project 2
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And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Year 3

Autumn session

Four units from Foundation, Specialised or Multi-disciplinary unit lists.

Full Time - Mid-Year Intake

Year 1

Spring session

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
301005.1	Professional Practice and Communication

Autumn session

301004.1	Research Preparation in Post Graduate Studies
301045.2	Advanced Topics in User System Interaction
300693.3	Web Technologies
300260.2	IT Project Management

Year 2**Spring session**

- 300694.2** Advanced Topics in ICT
300597.3 Master Project 1

And two units from Foundation, Specialised or Multi-disciplinary unit lists.

Autumn session

- 301046.1** Big Data (PG)
300598.4 Master Project 2

And two units from Foundation, Specialised or Multi-disciplinary unit lists.

Year 3**Spring session**

Four units from Foundation, Specialised or Multi-disciplinary unit lists.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

- 301005.1** Professional Practice and Communication
301004.1 Research Preparation in Post Graduate Studies
301038.1 Programming Proficiency
301045.2 Advanced Topics in User System Interaction
300977.1 Systems Analysis and Database Management Systems
300695.2 Network Technologies
300693.3 Web Technologies
300260.2 IT Project Management
300697.2 Content Management Systems & Web Analytics
300696.2 Systems and Network Security

Specialised Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

- 301046.1** Big Data (PG)
301044.1 Data Science
301042.1 Cloud Computing
301043.2 Mobile Computing
300599.3 Advanced Robotics
301020.1 Advanced Mobile Robotics
301041.1 Service Oriented Architecture
300694.2 Advanced Topics in ICT
300255.2 Network Management
300252.3 Advanced Topics in Networking
300256.2 Multimedia Communication Systems
300389.2 Wireless Networking
300443.2 Web Engineering
300769.2 Intelligent Agents for E-Markets
300692.2 Workflow Management Systems
300770.3 Software Testing and Automation
301028.1 Advanced Healthcare Data Environments

- 301029.1** Advanced Healthcare Software and Systems

Multi-disciplinary Units

A maximum of four units are allowed from this list.

- 200820.2** The Contemporary Business Environment
200825.2 Understanding Contemporary Organisations
200821.2 Financial Reports for Decision Making
200826.1 Contemporary People Management
200841.2 Strategic Business Management
200848.2 Governance, Ethics and Social Entrepreneurship
200425.4 Economics

Postgraduate Admission Pathway - Master of Information and Communications Technology (Advanced) Pathway B - 2 years**A3001.1**

Students with Non-Computing/non-ICT/non-IS with Honours or Masters Qualifications must have an Honours or Masters qualification in any discipline.

Specialisation Structure

Students must be enrolled in the Master of Information and Communications Technology (Advanced) to complete this specialisation.

Qualification for this award requires the successful completion of 160 credit points including the units listed below plus 120 hours (full time or part-time equivalent) of work experience component.

Core Units

- 300695.2** Network Technologies
301005.1 Professional Practice and Communication
301004.1 Research Preparation in Post Graduate Studies
300694.2 Advanced Topics in ICT
300693.3 Web Technologies
301046.1 Big Data (PG)
300260.2 IT Project Management
300597.3 Master Project 1
300598.4 Master Project 2

And students in Pathways A and B must also complete the additional three core units.

- 301038.1** Programming Proficiency
300977.1 Systems Analysis and Database Management Systems
301045.2 Advanced Topics in User System Interaction

Students must enrol in the ICT Practicum unit to receive recognition for Work Integrated Learning.

- 301047.1** ICT Practicum

All students must also complete one of the listed Specialisations below. Note: Units for the Specialisations are all included in the Foundation, Specialised or Multi-disciplinary unit lists.

ST3007.1	Networking
ST3033.1	Distributed Computing
ST3034.1	Management
ST3035.1	Web and Mobile Computing
ST3036.1	Health Informatics

Full Time - Start Year Intake**Year 1****Autumn session**

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
301005.1	Professional Practice and Communication

Spring session

301004.1	Research Preparation in Post Graduate Studies
300694.2	Advanced Topics in ICT
300693.3	Web Technologies

And one unit from Foundation, Specialised or Multi-disciplinary unit lists.

Year 2**Autumn session**

301045.2	Advanced Topics in User System Interaction
301046.1	Big Data (PG)
300260.2	IT Project Management
300597.3	Master Project 1

Spring session

300598.4	Master Project 2
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And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Full Time - Mid-Year Intake**Year 1****Spring session**

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
301005.1	Professional Practice and Communication

Autumn session

301004.1	Research Preparation in Post Graduate Studies
301045.2	Advanced Topics in User System Interaction
300693.3	Web Technologies
300260.2	IT Project Management

Year 2**Spring session**

300694.2	Advanced Topics in ICT
300597.3	Master Project 1

And two units from Foundation, Specialised or Multi-disciplinary unit lists.

Autumn session

301046.1	Big Data (PG)
300598.4	Master Project 2

And two units from Foundation, Specialised or Multi-disciplinary unit lists.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
301038.1	Programming Proficiency
301045.2	Advanced Topics in User System Interaction
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
300693.3	Web Technologies
300260.2	IT Project Management
300697.2	Content Management Systems & Web Analytics
300696.2	Systems and Network Security

Specialised Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

301046.1	Big Data (PG)
301044.1	Data Science
301042.1	Cloud Computing
301043.2	Mobile Computing
300599.3	Advanced Robotics
301020.1	Advanced Mobile Robotics
301041.1	Service Oriented Architecture
300694.2	Advanced Topics in ICT
300255.2	Network Management
300252.3	Advanced Topics in Networking
300256.2	Multimedia Communication Systems
300389.2	Wireless Networking
300443.2	Web Engineering
300769.2	Intelligent Agents for E-Markets
300692.2	Workflow Management Systems
300770.3	Software Testing and Automation
301028.1	Advanced Healthcare Data Environments
301029.1	Advanced Healthcare Software and Systems

Multi-disciplinary Units

A maximum of four units are allowed from this list.

200820.2	The Contemporary Business Environment
200825.2	Understanding Contemporary Organisations
200821.2	Financial Reports for Decision Making
200826.1	Contemporary People Management
200841.2	Strategic Business Management

200848.2	Governance, Ethics and Social Entrepreneurship
200425.4	Economics

Postgraduate Admission Pathway - Master of Information and Communications Technology (Advanced) Pathway C - 2 years

A3002.1

Students with Computing/ICT/IS Bachelor qualifications must have a minimum of three year undergraduate degree in Information and Communication Technologies, Computing or Information Systems disciplines or minimum of three year undergraduate degree in any discipline and minimum of five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming, networking; database design and development, systems analysis and design, and project management or minimum of three year undergraduate degree in any discipline and graduate diploma in ICT or Postgraduate Diploma in ICT offered prior to 2015 at UWS or equivalent qualifications from any other reputable tertiary educational institute or minimum of three year undergraduate degree in any discipline and Graduate Diploma in ICT offered after 2015 at UWS or equivalent qualifications from any other reputable tertiary educational institute. Students with Computing/ICT/IS Honours or Masters qualifications must have an Honours or Masters qualification in Information and Communication Technologies, Computing or Information Systems disciplines

Specialisation Structure

Students must be enrolled in the Master of Information and Communications Technology (Advanced) to complete this specialisation.

Qualification for this award requires the successful completion of 160 credit points including the units listed below plus 120 hours (full time or part-time equivalent) of work experience component.

Core Units

300695.2	Network Technologies
300260.2	IT Project Management
301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
300694.2	Advanced Topics in ICT
300693.3	Web Technologies
301046.1	Big Data (PG)
300597.3	Master Project 1
300598.4	Master Project 2

Students must enrol in the ICT Practicum unit to receive recognition for Work Integrated Learning.

301047.1	ICT Practicum
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And two units from Foundation or Specialised unit lists in addition to those completed for a Specialisation.

And one unit from Foundation, Specialised or Multi-disciplinary unit lists in addition to those completed for a Specialisation.

All students must also complete one of the listed Specialisations below. Note: Units for the Specialisations are all included in the Foundation, Specialised or Multi-disciplinary unit lists.

ST3007.1	Networking
ST3033.1	Distributed Computing
ST3034.1	Management
ST3035.1	Web and Mobile Computing
ST3036.1	Health Informatics

Full Time - Start Year Intake

Year 1

Autumn session

300695.2	Network Technologies
300260.2	IT Project Management
301005.1	Professional Practice and Communication

And one unit from Foundation units or Specialised unit lists.

Spring session

301004.1	Research Preparation in Post Graduate Studies
300694.2	Advanced Topics in ICT
300693.3	Web Technologies

And one unit from Foundation or Specialised unit lists.

Year 2

Autumn session

301046.1	Big Data (PG)
300597.3	Master Project 1

And two units from Foundation, Specialised or Multi-disciplinary unit lists.

Spring session

300598.4	Master Project 2
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And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Full Time - Mid-Year Intake

Year 1

Spring session

300695.2	Network Technologies
300260.2	IT Project Management
301005.1	Professional Practice and Communication

And one unit from Foundation or Specialised unit lists.

Autumn session

301004.1	Research Preparation in Post Graduate Studies
300694.2	Advanced Topics in ICT
300693.3	Web Technologies

And one unit from Foundation or Specialised unit lists.

Year 2

Spring session

- 301046.1** Big Data (PG)
300597.3 Master Project 1

And two units from Foundation, Specialised or Multi-disciplinary unit lists.

Autumn session

- 300598.4** Master Project 2

And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

- 301005.1** Professional Practice and Communication
301004.1 Research Preparation in Post Graduate Studies
301038.1 Programming Proficiency
301045.2 Advanced Topics in User System Interaction
300977.1 Systems Analysis and Database Management Systems
300695.2 Network Technologies
300693.3 Web Technologies
300260.2 IT Project Management
300697.2 Content Management Systems & Web Analytics
300696.2 Systems and Network Security

Specialised Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

- 301046.1** Big Data (PG)
301044.1 Data Science
301042.1 Cloud Computing
301043.2 Mobile Computing
300599.3 Advanced Robotics
301020.1 Advanced Mobile Robotics
301041.1 Service Oriented Architecture
300694.2 Advanced Topics in ICT
300255.2 Network Management
300252.3 Advanced Topics in Networking
300256.2 Multimedia Communication Systems
300389.2 Wireless Networking
300443.2 Web Engineering
300769.2 Intelligent Agents for E-Markets
300692.2 Workflow Management Systems
300770.3 Software Testing and Automation
301028.1 Advanced Healthcare Data Environments
301029.1 Advanced Healthcare Software and Systems

Multi-disciplinary Units

A maximum of four units are allowed from this list.

- 200820.2** The Contemporary Business Environment
200825.2 Understanding Contemporary Organisations
200821.2 Financial Reports for Decision Making
200826.1 Contemporary People Management
200841.2 Strategic Business Management
200848.2 Governance, Ethics and Social Entrepreneurship
200425.4 Economics

Postgraduate Admission Pathway - Master of Information and Communications Technology Pathway A - 2 years

A3003.1

Students with non-Computing/non-ICT/non-IS with Bachelor qualifications must have a minimum of three year undergraduate degree in any discipline or Approved diploma course in ICT/Computing/IS fields and minimum of five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming, networking; database design and development, systems analysis and design, and project management.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Students must be enrolled in the Master of Information and Communications Technology to complete this specialisation.

Qualification for this award requires the successful completion of 160 credit points including the units listed below plus 120 hours (full time or part-time equivalent) of work experience component.

Core Units

- 300695.2** Network Technologies
301005.1 Professional Practice and Communication
301004.1 Research Preparation in Post Graduate Studies
300260.2 IT Project Management
300597.3 Master Project 1

And students in Pathways A and B must also complete the additional three core units.

- 301038.1** Programming Proficiency
300977.1 Systems Analysis and Database Management Systems
301045.2 Advanced Topics in User System Interaction

Students must enrol in the ICT Practicum unit to receive recognition for Work Integrated Learning.

- 301047.1** ICT Practicum

And four units from Foundation, Specialised or Multi-disciplinary unit lists in addition to those completed for a Specialisation.

All students may also complete one of the listed Specialisations below. Note: Units for the Specialisations are all included in the Foundation, Specialised or Multi-disciplinary unit lists.

ST3007.1	Networking
ST3033.1	Distributed Computing
ST3034.1	Management
ST3035.1	Web and Mobile Computing
ST3036.1	Health Informatics

Full Time - Start Year Intake

Year 1

Autumn session

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
301005.1	Professional Practice and Communication

Spring session

301004.1	Research Preparation in Post Graduate Studies
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And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Year 2

Autumn session

301045.2	Advanced Topics in User System Interaction
300260.2	IT Project Management
300597.3	Master Project 1

And one unit from Foundation, Specialised or Multi-disciplinary unit lists.

Spring session

And four units from Foundation, Specialised or Multi-disciplinary unit lists.

Full Time - Mid-Year Intake

Year 1

Spring session

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
301005.1	Professional Practice and Communication

Autumn session

301004.1	Research Preparation in Post Graduate Studies
301045.2	Advanced Topics in User System Interaction
300260.2	IT Project Management

And one unit from Foundation, Specialised or Multi-disciplinary unit lists.

Year 2

Spring session

300597.3	Master Project 1
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And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Autumn session

And four units from Foundation, Specialised or Multi-disciplinary unit lists.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
301038.1	Programming Proficiency
301045.2	Advanced Topics in User System Interaction
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
300693.3	Web Technologies
300260.2	IT Project Management
300697.2	Content Management Systems & Web Analytics
300696.2	Systems and Network Security

Specialised Units

301046.1	Big Data (PG)
301044.1	Data Science
301042.1	Cloud Computing
301043.2	Mobile Computing
300599.3	Advanced Robotics
301020.1	Advanced Mobile Robotics
301041.1	Service Oriented Architecture
300694.2	Advanced Topics in ICT
300255.2	Network Management
300252.3	Advanced Topics in Networking
300256.2	Multimedia Communication Systems
300389.2	Wireless Networking
300443.2	Web Engineering
300769.2	Intelligent Agents for E-Markets
300692.2	Workflow Management Systems
300770.3	Software Testing and Automation
301028.1	Advanced Healthcare Data Environments
301029.1	Advanced Healthcare Software and Systems

Multi-disciplinary Units

A maximum of four units are allowed from this list.

200820.2	The Contemporary Business Environment
200825.2	Understanding Contemporary Organisations
200821.2	Financial Reports for Decision Making
200826.1	Contemporary People Management
200841.2	Strategic Business Management
200848.2	Governance, Ethics and Social Entrepreneurship
200425.4	Economics

Postgraduate Admission Pathway - Master of Information and Communications Technology Pathway B - 1.5 years

A3004.1

Students with Non-Computing Computing/non-ICT/non-IS Honours or Masters qualifications must have an Honours or Masters qualification in any discipline.

Specialisation Structure

Students must be enrolled in the Master of Information and Communications Technology to complete this specialisation.

Qualification for this award requires the successful completion of 120 credit points including the units listed below plus 120 hours (full time or part-time equivalent) of work experience component.

Core Units

300695.2	Network Technologies
301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
300260.2	IT Project Management
300597.3	Master Project 1

And students in Pathways A and B must also complete the additional three core units.

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
301045.2	Advanced Topics in User System Interaction

Students must enrol in the ICT Practicum unit to receive recognition for Work Integrated Learning.

301047.1	ICT Practicum
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All students may also complete one of the listed Specialisations below. Note: Units for the Specialisations are all included in the Foundation, Specialised or Multi-disciplinary unit lists.

ST3007.1	Networking
ST3033.1	Distributed Computing
ST3034.1	Management
ST3035.1	Web and Mobile Computing
ST3036.1	Health Informatics

Full Time - Start Year Intake

Year 1

Autumn session

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
301005.1	Professional Practice and Communication

Spring session

301004.1	Research Preparation in Post Graduate Studies
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And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Year 2

Autumn session

301045.2	Advanced Topics in User System Interaction
300260.2	IT Project Management
300597.3	Master Project 1

And one unit from Foundation, Specialised or Multi-disciplinary unit lists.

Full Time - Mid-Year Intake

Year 1

Spring session

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
301005.1	Professional Practice and Communication

Autumn session

301004.1	Research Preparation in Post Graduate Studies
301045.2	Advanced Topics in User System Interaction
300260.2	IT Project Management

And one unit from Foundation, Specialised or Multi-disciplinary unit lists.

Year 2

Spring session

300597.3	Master Project 1
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And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
301038.1	Programming Proficiency
301045.2	Advanced Topics in User System Interaction
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
300693.3	Web Technologies
300260.2	IT Project Management
300697.2	Content Management Systems & Web Analytics
300696.2	Systems and Network Security

Specialised Units

301046.1	Big Data (PG)
301044.1	Data Science
301042.1	Cloud Computing
301043.2	Mobile Computing
300599.3	Advanced Robotics
301020.1	Advanced Mobile Robotics
301041.1	Service Oriented Architecture
300694.2	Advanced Topics in ICT
300255.2	Network Management
300252.3	Advanced Topics in Networking
300256.2	Multimedia Communication Systems
300389.2	Wireless Networking
300443.2	Web Engineering
300769.2	Intelligent Agents for E-Markets
300692.2	Workflow Management Systems
300770.3	Software Testing and Automation
301028.1	Advanced Healthcare Data Environments
301029.1	Advanced Healthcare Software and Systems

Multi-disciplinary Units

A maximum of four units are allowed from this list.

200820.2	The Contemporary Business Environment
200825.2	Understanding Contemporary Organisations
200821.2	Financial Reports for Decision Making
200826.1	Contemporary People Management
200841.2	Strategic Business Management
200848.2	Governance, Ethics and Social Entrepreneurship
200425.4	Economics

Postgraduate Admission Pathway - Master of Information and Communications Technology Pathway C - 1.5 years

A3005.1

Students with Computing/ICT/IS Bachelor qualifications must have a minimum of three year undergraduate degree in Information and Communication Technologies, Computing or Information Systems disciplines or minimum of three year undergraduate degree in any discipline and minimum of five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming, networking; database design and development, systems analysis and design, and project management or minimum of three year undergraduate degree in any discipline and graduate diploma in ICT or Postgraduate Diploma in ICT offered prior to 2015 at UWS or equivalent qualifications from any other reputable tertiary educational institute or minimum of three year undergraduate degree in any discipline and Graduate Diploma in ICT offered after 2015 at UWS or equivalent qualifications from any other reputable tertiary educational institute. Students with Computing/ICT/IS Honours or Masters qualifications must have an Honours or Masters qualification in Information and Communication Technologies, Computing or Information Systems disciplines.

Specialisation Structure

Students must be enrolled in the Master of Information and Communications Technology to complete this specialisation.

Qualification for this award requires the successful completion of 120 credit points including the units listed below plus 120 hours (full time or part-time equivalent) of work experience component.

Core Units

300695.2	Network Technologies
300260.2	IT Project Management
301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
300597.3	Master Project 1

Students must enrol in the ICT Practicum unit to receive recognition for Work Integrated Learning.

301047.1	ICT Practicum
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And one unit from Foundation or Specialised unit lists in addition to those completed for a Specialisation.

And two units from Foundation, Specialised or Multi-disciplinary unit lists in addition to those completed for a Specialisation.

All students may also complete one of the listed Specialisations below. Note: Units for the Specialisations are all included in the Foundation, Specialised or Multi-disciplinary unit lists.

ST3007.1	Networking
ST3033.1	Distributed Computing
ST3034.1	Management
ST3035.1	Web and Mobile Computing
ST3036.1	Health Informatics

Full Time - Start Year Intake

Year 1

Autumn session

300695.2	Network Technologies
300260.2	IT Project Management
301005.1	Professional Practice and Communication

And one unit from Foundation or Specialised unit lists.

Spring session

301004.1	Research Preparation in Post Graduate Studies
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And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Year 2

Autumn session

300597.3	Master Project 1
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And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Full Time - Mid-Year Intake**Year 1****Spring session**

- 300695.2** Network Technologies
301005.1 Professional Practice and Communication

And two units from Foundation or Specialised unit lists.

Autumn session

- 301004.1** Research Preparation in Post Graduate Studies
300260.2 IT Project Management

And two units from Foundation, Specialised or Multi-disciplinary unit lists.

Year 2**Spring session**

- 300597.3** Master Project 1

And three units from Foundation, Specialised or Multi-disciplinary unit lists.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

- 301005.1** Professional Practice and Communication
301004.1 Research Preparation in Post Graduate Studies
301038.1 Programming Proficiency
301045.2 Advanced Topics in User System Interaction
300977.1 Systems Analysis and Database Management Systems
300695.2 Network Technologies
300693.3 Web Technologies
300260.2 IT Project Management
300697.2 Content Management Systems & Web Analytics
300696.2 Systems and Network Security

Specialised Units

- 301046.1** Big Data (PG)
301044.1 Data Science
301042.1 Cloud Computing
301043.2 Mobile Computing
300599.3 Advanced Robotics
301020.1 Advanced Mobile Robotics
301041.1 Service Oriented Architecture
300694.2 Advanced Topics in ICT
300255.2 Network Management
300252.3 Advanced Topics in Networking
300256.2 Multimedia Communication Systems
300389.2 Wireless Networking
300443.2 Web Engineering
300769.2 Intelligent Agents for E-Markets
300692.2 Workflow Management Systems
300770.3 Software Testing and Automation
301028.1 Advanced Healthcare Data Environments

- 301029.1** Advanced Healthcare Software and Systems

Multi-disciplinary Units

A maximum of four units are allowed from this list.

- 200820.2** The Contemporary Business Environment
200825.2 Understanding Contemporary Organisations
200821.2 Financial Reports for Decision Making
200826.1 Contemporary People Management
200841.2 Strategic Business Management
200848.2 Governance, Ethics and Social Entrepreneurship
200425.4 Economics

Postgraduate Admission Pathway - Graduate Diploma in Information and Communications Technology Pathway A - 1.5 years**A3006.1**

Students with non-Computing/non-ICT/non-IS Bachelor qualifications must have a minimum of three year undergraduate degree in any discipline or Approved diploma course in ICT/Computing/IS fields and minimum of five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming, networking; database design and development, systems analysis and design, and project management.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Students must be enrolled in the Graduate Diploma in Information and Communications Technology to complete this specialisation.

Qualification for this award requires the successful completion of 120 credit points.

Core Units

- 300260.2** IT Project Management
300695.2 Network Technologies
301005.1 Professional Practice and Communication

And students in Pathways A and B must also complete the additional three core units.

- 301038.1** Programming Proficiency
300977.1 Systems Analysis and Database Management Systems
301045.2 Advanced Topics in User System Interaction

And six units from Foundation or Specialised unit lists.

Full Time - Start Year Intake**Year 1****Autumn session**

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
301045.2	Advanced Topics in User System Interaction
300260.2	IT Project Management

Spring session

300695.2	Network Technologies
301005.1	Professional Practice and Communication

And two units from Foundation or Specialised unit lists.

Year 2**Autumn session**

And four units from Foundation or Specialised unit lists.

Full Time - Mid-Year Intake**Year 1****Spring session**

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
301005.1	Professional Practice and Communication

Autumn session

301045.2	Advanced Topics in User System Interaction
300260.1	IT Project Management

And two units from Foundation or Specialised unit lists.

Year 2**Spring session**

And four units from Foundation or Specialised unit lists.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
301038.1	Programming Proficiency
301045.2	Advanced Topics in User System Interaction
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
300693.3	Web Technologies
300260.2	IT Project Management
300697.2	Content Management Systems & Web Analytics
300696.2	Systems and Network Security

Specialised Units

301046.1	Big Data (PG)
301044.1	Data Science
301042.1	Cloud Computing
301043.2	Mobile Computing
300599.3	Advanced Robotics
301020.1	Advanced Mobile Robotics
301041.1	Service Oriented Architecture
300694.2	Advanced Topics in ICT
300255.2	Network Management
300252.3	Advanced Topics in Networking
300256.2	Multimedia Communication Systems
300389.2	Wireless Networking
300443.2	Web Engineering
300769.2	Intelligent Agents for E-Markets
300692.2	Workflow Management Systems
300770.3	Software Testing and Automation
301028.1	Advanced Healthcare Data Environments
301029.1	Advanced Healthcare Software and Systems

Postgraduate Admission Pathway - Graduate Diploma in Information and Communications Technology Pathway B - 1 year**A3007.1**

Students with Non-Computing Computing/non-ICT/non-IS Honours or Masters qualifications must have an Honours or Masters qualification in any discipline.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Students must be enrolled in the Graduate Diploma in Information and Communications Technology to complete this specialisation.

Qualification for this award requires the successful completion of 80 credit points.

Core Units

300260.2	IT Project Management
300695.2	Network Technologies
301005.1	Professional Practice and Communication

And students in Pathways A and B must also complete the additional three core units.

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
301045.2	Advanced Topics in User System Interaction

And two units from Foundation or Specialised unit lists.

Full Time - Start Year Intake**Year 1****Autumn session**

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
301045.2	Advanced Topics in User System Interaction
300260.2	IT Project Management

Spring session

300695.2	Network Technologies
301005.1	Professional Practice and Communication

And two units from Foundation or Specialised unit lists.

Full Time - Mid-Year Intake**Year 1****Spring session**

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
301005.1	Professional Practice and Communication

Autumn session

301045.2	Advanced Topics in User System Interaction
300260.1	IT Project Management

And two units from Foundation or Specialised unit lists.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
301038.1	Programming Proficiency
301045.2	Advanced Topics in User System Interaction
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
300693.3	Web Technologies
300260.2	IT Project Management
300697.2	Content Management Systems & Web Analytics
300696.2	Systems and Network Security

Specialised Units

301046.1	Big Data (PG)
301044.1	Data Science
301042.1	Cloud Computing
301043.2	Mobile Computing
300599.3	Advanced Robotics
301020.1	Advanced Mobile Robotics
301041.1	Service Oriented Architecture

300694.2	Advanced Topics in ICT
300255.2	Network Management
300252.3	Advanced Topics in Networking
300256.2	Multimedia Communication Systems
300389.2	Wireless Networking
300443.2	Web Engineering
300769.2	Intelligent Agents for E-Markets
300692.2	Workflow Management Systems
300770.3	Software Testing and Automation
301028.1	Advanced Healthcare Data Environments
301029.1	Advanced Healthcare Software and Systems

Postgraduate Admission Pathway - Graduate Diploma in Information and Communications Technology Pathway C - 1 year**A3008.1**

Students with Computing/ICT/IS Bachelor qualifications must have a minimum of three year undergraduate degree in Information and Communication Technologies, Computing or Information Systems disciplines or minimum of three year undergraduate degree in any discipline and minimum of five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming, networking; database design and development, systems analysis and design, and project management or minimum of three year undergraduate degree in any discipline and graduate diploma in ICT or Postgraduate Diploma in ICT offered prior to 2015 at UWS or equivalent qualifications from any other reputable tertiary educational institute or minimum of three year undergraduate degree in any discipline and Graduate Diploma in ICT offered after 2015 at UWS or equivalent qualifications from any other reputable tertiary educational institute. Students with Computing/ICT/IS Honours or Masters qualifications must have an Honours or Masters qualification in Information and Communication Technologies, Computing or Information Systems disciplines.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Students must be enrolled in the Graduate Diploma in Information and Communications Technology to complete this specialisation.

Qualification for this award requires the successful completion of 80 credit points.

Core Units

300695.2	Network Technologies
300260.2	IT Project Management
301005.1	Professional Practice and Communication

And five units from Foundation or Specialised units lists.

Full Time - Start Year Intake**Year 1****Autumn session**

300695.2	Network Technologies
300260.2	IT Project Management
301005.1	Professional Practice and Communication

And one unit from Foundation or Specialised units listed below.

Spring session

Four units from Foundation or Specialised units listed below.

Full Time - Mid-Year Intake**Year 1****Spring session**

300695.2	Network Technologies
301005.1	Professional Practice and Communication
300260.1	IT Project Management

And one unit from Foundation or Specialised units listed below.

Autumn session

Four units from Foundation or Specialised units listed below.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
301038.1	Programming Proficiency
301045.2	Advanced Topics in User System Interaction
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
300693.3	Web Technologies
300260.2	IT Project Management
300697.2	Content Management Systems & Web Analytics
300696.2	Systems and Network Security

Specialised Units

301046.1	Big Data (PG)
301044.1	Data Science
301042.1	Cloud Computing
301043.2	Mobile Computing
300599.3	Advanced Robotics
301020.1	Advanced Mobile Robotics
301041.1	Service Oriented Architecture
300694.2	Advanced Topics in ICT
300255.2	Network Management
300252.3	Advanced Topics in Networking
300256.2	Multimedia Communication Systems
300389.2	Wireless Networking
300443.2	Web Engineering

300769.2	Intelligent Agents for E-Markets
300692.2	Workflow Management Systems
300770.3	Software Testing and Automation
301028.1	Advanced Healthcare Data Environments
301029.1	Advanced Healthcare Software and Systems

Postgraduate Admission Pathway - Graduate Certificate in Information and Communications Technology Pathway A - 1 year**A3009.1**

Students with non-Computing/non-ICT/non-IS Bachelor qualifications must have a minimum of three year undergraduate degree in any discipline or Approved diploma course in ICT/Computing/IS fields and minimum of five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming, networking; database design and development, systems analysis and design, and project management.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 80 credit points.

Students must be enrolled in the Graduate Certificate in Information and Communications Technology to complete this specialisation.

Core Unit

301005.1	Professional Practice and Communication
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And students in Pathways A and B must also complete the additional two core units.

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems

And five units from Foundation unit list.

Full Time - Start Year Intake**Year 1****Autumn session**

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
301005.1	Professional Practice and Communication

And one unit from Foundation unit list.

Spring session

Four units from Foundation unit list.

Full Time - Mid-Year Intake**Year 1****Spring session**

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
301005.1	Professional Practice and Communication

And one unit from Foundation unit list.

Autumn session

Four units from Foundation unit list.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
301038.1	Programming Proficiency
301045.2	Advanced Topics in User System Interaction
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
300693.3	Web Technologies
300260.2	IT Project Management
300697.2	Content Management Systems & Web Analytics
300696.2	Systems and Network Security

Postgraduate Admission Pathway - Graduate Certificate in Information and Communications Technology Pathway B - 0.5 year

A3010.1

Students with Non-Computing Computing/non-ICT/non-IS Honours or Masters qualifications must have an Honours or Masters qualification in any discipline.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Qualification for this award requires the successful completion of 40 credit points.

Students must be enrolled in the Graduate Certificate in Information and Communications Technology to complete this specialisation.

Core Unit

301005.1	Professional Practice and Communication
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And students in Pathways A and B must also complete the additional two core units.

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems

One unit from Foundation unit list.

Full Time - Start Year Intake**Year 1****Autumn session**

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
301005.1	Professional Practice and Communication

And one unit from Foundation unit list.

Full Time - Mid-Year Intake**Year 1****Spring session**

301038.1	Programming Proficiency
300977.1	Systems Analysis and Database Management Systems
301005.1	Professional Practice and Communication

And one unit from Foundation unit list.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

301005.1	Professional Practice and Communication
301004.1	Research Preparation in Post Graduate Studies
301038.1	Programming Proficiency
301045.2	Advanced Topics in User System Interaction
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
300693.3	Web Technologies
300260.2	IT Project Management
300697.2	Content Management Systems & Web Analytics
300696.2	Systems and Network Security

Postgraduate Admission Pathway - Graduate Certificate in Information and Communications Technology Pathway C - 0.5 year

A3011.1

Students with Computing/ICT/IS Bachelor qualifications must have a minimum of three year undergraduate degree in Information and Communication Technologies, Computing or Information Systems disciplines or minimum

of three year undergraduate degree in any discipline and minimum of five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming, networking; database design and development, systems analysis and design, and project management or minimum of three year undergraduate degree in any discipline and graduate diploma in ICT or Postgraduate Diploma in ICT offered prior to 2015 at UWS or equivalent qualifications from any other reputable tertiary educational institute or minimum of three year undergraduate degree in any discipline and Graduate Diploma in ICT offered after 2015 at UWS or equivalent qualifications from any other reputable tertiary educational institute. Students with Computing/ICT/IS Honours or Masters qualifications must have an Honours or Masters qualification in Information and Communication Technologies, Computing or Information Systems disciplines.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Students must be enrolled in the Graduate Certificate in Information and Communications Technology to complete this specialisation.

Qualification for this award requires the successful completion of 40 credit points.

Core Unit

301005.1 Professional Practice and Communication

And three units from Foundation unit list.

Full Time - Start Year Intake

Year 1

Autumn session

301005.1 Professional Practice and Communication

And three units from Foundation unit list.

Full Time - Mid-Year Intake

Year 1

Spring session

301005.1 Professional Practice and Communication

And three units from Foundation unit list.

Foundation Units

Note: Units in this list may be included in the course structure as Core Units and cannot be selected as one of the list units.

301005.1 Professional Practice and Communication

301004.1 Research Preparation in Post Graduate Studies

301038.1 Programming Proficiency

301045.2	Advanced Topics in User System Interaction
300977.1	Systems Analysis and Database Management Systems
300695.2	Network Technologies
300693.3	Web Technologies
300260.2	IT Project Management
300697.2	Content Management Systems & Web Analytics
300696.2	Systems and Network Security

Postgraduate Specialisation - Networking

ST3007.1

The Networking specialisation is aimed at providing students with knowledge in emerging areas of networking. It focuses on essential fundamentals as well as advanced knowledge on the principles, practices, protocols and standards in some key areas of the networking discipline. This specialisation prepares students for careers in network security and management, multimedia and wireless communications, and other contemporary and emerging networking areas. The specialisation is also designed to introduce students to trends and key research areas in some emerging fields in networking so as to provide students with initial skills and knowledge for future research studies or careers.

Specialisation Structure

Students must complete four units from the following:

300252.3	Advanced Topics in Networking
300256.2	Multimedia Communication Systems
300255.2	Network Management
300696.2	Systems and Network Security
300389.2	Wireless Networking

Postgraduate Specialisation - Civil

ST3027.1

Location

Campus	Mode
Penrith Campus	Internal

Specialisation Structure

Students who wish to graduate with a Civil specialisation must complete the eight core units and five specialist units from the list below.

Core units

301002.1	Specialised Software Applications
300597.3	Master Project 1
300598.4	Master Project 2
301003.1	Sustainable Systems
301004.1	Research Preparation in Post Graduate Studies
301005.1	Professional Practice and Communication
301006.1	Advanced Engineering Project 1

301007.1 Advanced Engineering Project 2

300596.3 Advanced Signal Processing
300603.3 Advanced Control Systems**Civil Specialised Alternate units****Specialist alternate offering is subject to sufficient student demand and may not be offered annually.**

Choose five specialised alternates from the list below.

301024.1 Advanced Numerical Methods in Engineering
 300594.4 Advanced Structural Analysis
 300595.3 Advanced Water Engineering
 300604.3 Advanced Geotechnical Engineering
 300939.2 Sustainability and Risk Engineering (PG)
 301008.1 Advanced Composite Structures
 301009.1 Advanced Timber Structures
 301010.1 Advanced Applied Mechanics
 301011.1 Advanced Highway Infrastructure
 301012.1 Water Resources Systems Analysis
 301013.1 Advanced Statistical Hydrology
 301014.1 Advanced Hydrogeology
 301015.1 Deep Foundations
 301016.1 Advanced Water and Wastewater Treatment
 301017.1 Advanced Waste Management

Postgraduate Specialisation - Electrical**ST3028.1****Location**

Campus	Mode
Penrith Campus	Internal

Specialisation Structure

Students who wish to graduate with an Electrical specialisation must complete the eight core units and five specialist units from the list below.

Core units

301002.1 Specialised Software Applications
 300597.3 Master Project 1
 300598.4 Master Project 2
 301003.1 Sustainable Systems
 301004.1 Research Preparation in Post Graduate Studies
 301005.1 Professional Practice and Communication
 301006.1 Advanced Engineering Project 1
 301007.1 Advanced Engineering Project 2

Electrical Specialised Alternate units**Specialist alternate offering is subject to sufficient student demand and may not be offered annually.**

Choose five specialised alternates from the list below.

300196.3 Personal Communication Systems
 300197.3 Power System Planning and Economics
 301025.1 Advanced Power Quality
 301026.1 Advanced Smart Grids and Distributed Generation
 300515.3 Instrumentation and Measurement (PG)
 300601.3 Advanced Electrical Machines and Drives

Postgraduate Specialisation - Environmental**ST3029.1****Location**

Campus	Mode
Penrith Campus	Internal

Specialisation Structure

Students who wish to graduate with an Environmental specialisation must complete the eight core units and five specialist units from the list below.

Core units

301002.1 Specialised Software Applications
 300597.3 Master Project 1
 300598.4 Master Project 2
 301003.1 Sustainable Systems
 301004.1 Research Preparation in Post Graduate Studies
 301005.1 Professional Practice and Communication
 301006.1 Advanced Engineering Project 1
 301007.1 Advanced Engineering Project 2

Environmental Specialised Alternate units**Specialist alternate offering is subject to sufficient student demand and may not be offered annually.**

Choose five specialised alternates from the list below.

301017.1 Advanced Waste Management
 301016.1 Advanced Water and Wastewater Treatment
 300939.2 Sustainability and Risk Engineering (PG)
 101634.2 Planning and Environmental Regulation
 300677.2 Safety and Risk Management
 200458.2 Building in Bushfire Prone Areas

Postgraduate Specialisation - Mechanical**ST3030.1****Location**

Campus	Mode
Penrith Campus	Internal

Specialisation Structure

Students who wish to graduate with a Mechanical specialisation must complete the eight core units and five specialist units from the list below.

Core units

301002.1 Specialised Software Applications
 300597.3 Master Project 1

300598.4	Master Project 2
301003.1	Sustainable Systems
301004.1	Research Preparation in Post Graduate Studies
301005.1	Professional Practice and Communication
301006.1	Advanced Engineering Project 1
301007.1	Advanced Engineering Project 2

Mechanical Specialised Alternate units

Specialist alternate offering is subject to sufficient student demand and may not be offered annually.

Choose five specialised alternates from the list below.

301018.1	Mechanical System Design
300599.3	Advanced Robotics
301019.1	Advanced Dynamic Systems
300600.3	Mechatronic System Design
301021.1	Advanced Thermal and Fluid Engineering
301022.1	Advanced Computer Aided Engineering
301023.1	Advanced Computational Fluid Dynamics
301024.1	Advanced Numerical Methods in Engineering

Postgraduate Specialisation - Mechatronic

ST3031.1

Location

Campus	Mode
Penrith Campus	Internal

Specialisation Structure

Students who wish to graduate with a Mechatronic specialisation must complete the eight core units and five specialist units from the list below.

Core units

301002.1	Specialised Software Applications
300597.3	Master Project 1
300598.4	Master Project 2
301003.1	Sustainable Systems
301004.1	Research Preparation in Post Graduate Studies
301005.1	Professional Practice and Communication
301006.1	Advanced Engineering Project 1
301007.1	Advanced Engineering Project 2

Mechatronic Specialised Alternate units

Specialist alternate offering is subject to sufficient student demand and may not be offered annually.

Choose five specialised alternates from the list below.

301018.1	Mechanical System Design
300599.3	Advanced Robotics
301019.1	Advanced Dynamic Systems
300600.3	Mechatronic System Design
301020.1	Advanced Mobile Robotics
300601.3	Advanced Electrical Machines and Drives
300603.3	Advanced Control Systems

Postgraduate Specialisation - Telecommunication

ST3032.1

Location

Campus	Mode
Penrith Campus	Internal

Specialisation Structure

Students who wish to graduate with a Telecommunication specialisation must complete the eight core units and five specialist units from the list below.

Core units

301002.1	Specialised Software Applications
300597.3	Master Project 1
300598.4	Master Project 2
301003.1	Sustainable Systems
301004.1	Research Preparation in Post Graduate Studies
301005.1	Professional Practice and Communication
301006.1	Advanced Engineering Project 1
301007.1	Advanced Engineering Project 2

Telecommunication Specialised Alternate units

Specialist alternate offering is subject to sufficient student demand and may not be offered annually.

Choose five specialised alternates from the list below.

300196.3	Personal Communication Systems
300255.2	Network Management
300256.2	Multimedia Communication Systems
300389.2	Wireless Networking
300515.3	Instrumentation and Measurement (PG)
300596.3	Advanced Signal Processing
300173.3	Advanced Data Networks

Postgraduate Specialisation - Distributed Computing

ST3033.1

The Distributed Computing Specialisation provides the students with in-depth knowledge for the analysis, design, and evaluation of distributed systems. It offers the students the opportunity to develop the research and technical skills needed for development and management of a broad range of large-scale systems including distributed systems, Cloud computing and Big Data applications.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Students must complete the following four units

301042.1	Cloud Computing
301046.1	Big Data (PG)
301041.1	Service Oriented Architecture
300696.2	Systems and Network Security

Postgraduate Specialisation - Management

ST3034.1

Management specialisation, in Master of Information and Communication Technology and Master of Information and Communication Technology - Advanced courses, brings the key areas of contemporary management practices into the ICT discipline. The aim of the specialisation is to prepare students to move from technical positions such as programmer, network administrators and business analyst into a supervisory, senior management, executive or CIO role within the IT industry. In this specialisation emphasis will be placed in topics such as strategic management, understanding contemporary business environment, financial reporting, economics, and people and organisation management.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Students must complete

200820.2	The Contemporary Business Environment
200821.2	Financial Reports for Decision Making
200825.2	Understanding Contemporary Organisations

And one unit from the following

200826.1	Contemporary People Management
200848.2	Governance, Ethics and Social Entrepreneurship
200425.4	Economics
200841.2	Strategic Business Management

Postgraduate Specialisation - Web and Mobile Computing

ST3035.1

The widespread deployment of web and mobile devices has made them a target of choice for companies to carry out their everyday business. The contemporary developers are expected to understand the strengths and limitations of web and mobile technologies and fit these to create successful user-friendly web and/or mobile applications. This specialisation is aimed at developing knowledge and skills in theoretical concepts and practical technologies needed to design and develop complex software

applications across a range of web and mobile platforms. Students with these knowledge and skills will have greater prospects of finding employment with reputable companies or building their career as self-employed developers.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Students must complete the following four units

300443.2	Web Engineering
301043.2	Mobile Computing
301045.2	Advanced Topics in User System Interaction
300389.2	Wireless Networking

Postgraduate Specialisation - Health Informatics

ST3036.1

The widespread adoption of ICT solutions within the health sector and related developments such as electronic health records and health systems interoperability have created a need for ICT professionals who understand their context and are well equipped to operate within it. This specialisation is aimed at developing knowledge and skills in theoretical concepts and practical technologies needed to design and develop complex software applications across a range of eHealth settings. Students with these knowledge and skills will have greater prospects of finding employment with major healthcare providers or building their career as self-employed developers.

Location

Campus	Mode
Parramatta Campus	Internal

Specialisation Structure

Students must complete four units

301028.1	Advanced Healthcare Data Environments
301029.1	Advanced Healthcare Software and Systems

Choose one of

300977.1	Systems Analysis and Database Management Systems
300696.2	Systems and Network Security

Choose one of

300692.2	Workflow Management Systems
300770.3	Software Testing and Automation

SCHOOL OF SCIENCE AND HEALTH

Master of Chinese Medicine

4716.1

The Master of Chinese Medicine is a postgraduate qualification designed for Chinese medicine practitioners wishing to strengthen their knowledge and better integrate into the health care system, and for graduates with a Chinese Medicine specialisation seeking a pathway to research. It can be completed in one-and-a-half years of full-time study or the equivalent in part-time study.

The course includes two major streams: a clinical stream and research-training pathway. The clinical stream features a substantial clinical placement in a teaching hospital in China affiliated with Beijing University of Chinese Medicine (BJUCM) in addition to clinical specialisation workshops. An alternative is also available for students who do not wish to complete the clinical placement overseas. The research stream includes a significant research project which is supported by the National Institute of Complementary Medicine (NICM). Students who wish to enter the research stream have to meet entry requirements (GPA of 5); graduates of this stream may be interested in furthering their studies in a higher degree.

The course will be delivered via structured, intensive workshops and online resources with self-directed learning between workshops to allow maximum flexibility for busy practitioners.

Students who complete the Master of Chinese Medicine from UWS, including the clinical placement at BJUCM, will also be awarded the Postgraduate Diploma in Chinese Medicine from BJUCM. Students may exit the Master of Chinese Medicine after one semester (i.e. after completing 40 credit points) with the Graduate Certificate in Chinese Medicine. Students in the clinical specialisation stream may exit the Master of Chinese Medicine after two semesters (i.e. after completing 80 credit points) with the Graduate Diploma in Chinese Medicine. Students can combine their studies in Chinese Medicine with additional postgraduate units in public health and health science. Where approved, completion of four such units, in addition to the Master of Chinese Medicine, will result in the award of a Graduate Certificate in Health Science or a Graduate Certificate in Public Health.

Study Mode

One and a half years full-time

Location

Campus	Attendance	Mode
Campbelltown Campus	Full Time	Internal
Campbelltown Campus	Part Time	Internal

Admission

Applicants must have either:

An undergraduate degree in Acupuncture or Traditional Chinese Medicine

Or

A Diploma, Advanced Diploma or Associate Degree in Traditional Chinese Medicine or Acupuncture

Or

Five years full-time equivalent clinical work experience in the field of Traditional Chinese Medicine or Acupuncture and recognition by an Australian professional association representing Chinese herbalists or acupuncturists.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Applicants holding registration from the Chinese Medicine Registration Board of Australia (CMBA) or full membership of any of associations in Group 1 will be accepted without additional assessment. Applicants holding any type of membership other than full membership from any associations in Group 1, or applicants holding any type of membership from any association in Group 2 will be further assessed. For each of these applicants, this assessment will be an interview by the Director of Academic Program and a nominee of the Head of School. The interview will assess the applicant's prior learning, experience in the discipline and understanding of the assumed knowledge appropriate to entry into the course

Association

Group 1

- Australian Acupuncture and Chinese Medicine Association (AACMA)
- The Australian Traditional Chinese Medicine Association Inc (ATCMA)
- Chinese Medicine and Acupuncture Society of Australia (CMASA)
- Joint ATCMA & CMASA (established on 3rd July 2010)
- Australian Chinese Medical Association (Victoria) (ACMA)
- The Australian Medical Acupuncture College
- Australian Medical Acupuncture Society (AMAS)
- Australian College of Acupuncturist (ACAL)
- Australian Natural Therapist Association (ANTA)
- Australian Traditional Chinese Medicine Association (ATCMA)
- Australian Traditional Medicine Society (ATMS)
- Federation of Chinese Medicine and Acupuncture Societies of Australia (FCMA)
- NSW Association of Chinese Medicine (NSWACM)
- Victorian Traditional Acupuncture Society / Chinese Medicine Association (VTAS/CMA)

Group 2

- Acupuncture Association of Victoria Inc (AAV)
- Acupuncture Association of Australia (AAA)
- Acupuncture Association of Australia, New Zealand and Asia (AAANZA)
- Australian Acupuncture Association Ltd / Acupuncture Ethics and Standards Organisation Ltd (AAcA/AESO)
- Australian Nurses Acupuncture Association (ANAA)
- Australian Physiotherapy Association (Acupuncture Study Group) (APA)
- Society of Natural Therapists & Researchers (SNTR)

- Shiatsu Therapy Association of Australia (STAA)
- Traditional Medicine of China Society Australia (TMSC)

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

The course structure will appear when all the units become available

Graduate Diploma in Chinese Medicine (exit only)

4717.1

This is an exit course only. Applicants apply to 4716 - Master of Chinese Medicine and exit with the Graduate Diploma in Chinese Medicine.

Study Mode

One year full-time

Location

Campus	Attendance	Mode
Campbelltown Campus	Full Time	Internal
Campbelltown Campus	Part Time	Internal

Course Structure

The course structure will appear when all the units become available

Graduate Certificate in Chinese Medicine (exit only)

4718.1

This is an exit course only. Applicants apply to 4716 - Master of Chinese Medicine and exit with the Graduate Certificate in Chinese Medicine.

Study Mode

Six months full-time

Location

Campus	Attendance	Mode
Campbelltown Campus	Full Time	Internal
Campbelltown Campus	Part Time	Internal

Course Structure

The course structure will appear when all the units become available

Master of Health (Research Studies)/PhD

4681.1

The Master of Health (Research Studies)/PhD program is designed for professionals working in a variety of settings including health care services, hospitals, the aged care sector and community organisations, enabling them to effectively assess and respond to emerging health planning and management issues. It allows students to undertake coursework study in areas of discipline specific interest as well as providing appropriate research skills training.

The Doctor of Philosophy (PhD) component provides training and education with the objective of producing graduates with the capacity to conduct research independently at a high level of originality and quality. A PhD candidate should uncover new knowledge either by the discovery of new facts, the formulation of theories or the innovative re-interpretation of known data and established ideas.

Study Mode

Four and a half years full-time (one and a half years for the Master of Health (Research Studies) plus three years for the PhD).

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	Internal

Admission

This course is only available to International students. Please contact the Course Advisor for further information.

Course Structure

The Master of Health (Research Studies)/PhD degree will include a 120 credit point Master degree that has a research training component of one third (40 credit points) with a coursework component of discipline based content of two thirds (80 credit points).

The PhD component of the course will be completed according to the current UWS Doctor of Philosophy policy.

The course will comprise the following

Core Units - 30 credit points

Research Training - 40 credit points

Alternate Health units - 40 credit points

One Elective unit - 10 credit points

Students must successfully complete the following

Core units - 30 credit points

400416.2	Public Health, Policy and Society
400967.2	Health Economics and Comparative Health Systems
400778.2	Leadership and the Development of Organisational Capacity

Research Training component - 40 credit points

300398.2	Methods of Researching
400850.2	Professional Topic
300742.2	Science and Health Research Project PG

Note: 300742 Science and Health Research Project is a 20 credit point unit

Alternate Health units - 40 credit points from the following

400417.2	Epidemiology and Quantitative Methods
400841.2	A Global Perspective on Social Determinants of Health
400840.3	Communicable Diseases
400418.4	Health Advancement and Health Promotion
400843.2	Health Workforce Planning
300391.2	Occupational Health Management
300677.2	Safety and Risk Management
300682.2	Occupational and Environmental Hygiene
400206.2	Evidence-based Nursing
400847.3	Surveillance and Disaster Planning
400837.3	Health and Socio-political Issues in Aged Care

Note: Enrolment in UWS units other than those listed above for the Master of Health (Research Studies) portion may be possible with Director of Academic Program permission.

And one elective unit - 10 credit points

In order for students to progress into the PhD research program, they must have an average grade of 75 percent or greater across all units and have obtained a unit grade of greater than 74 percent for 300742 Science and Health Research Project. The required research HRD documentation will be assessed by the College of Health and Science Research and Higher Degree Committee.

As part of this evaluation, successful candidature will be dependent on the availability of appropriate topics and available supervision. In order to facilitate this transition, students will be given ongoing academic advice regarding potential doctoral projects during the course of their Master's study.

Master of Health Science**4698.1**

This version of the course is available to new and continuing students. Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in the course was 2015 or later. The Master of Health Science is designed for professionals working in a variety of health science settings, including

both government and non-government organisations. Students can select from three specialisations, including Health Services Management (a program accredited by the Australian College of Health Service Management), Aged Care Management, or Occupational Health and Safety. Students can study a broad range of health science units relating to evidence-based health care and practice, health service planning, aged care management, health policy development, leadership, and health financial management. Students also receive practical skills in community development and health promotion programs, and also complete a culminating research and practice experience in the evaluation of a contemporary issue in health science.

Study Mode

Two years full-time. One and a half years full time or one year full time programs are also available, depending upon entry qualifications (see Pathways listed under Course Structure below)

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal
Parramatta Campus	Full Time	Multi Modal
Parramatta Campus	Part Time	Multi Modal

Admission

Two years full-time. One and a half years full time or one year full time programs are also available, depending upon entry qualifications (see Pathways listed under Course Structure below)

Master of Health Science - two year program

Applicants must have either:

An undergraduate degree in any discipline, or equivalent
Or

A graduate diploma or graduate certificate in any discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline

Master of Health Science - one and half year program

Applicants must have either:

an undergraduate degree, or higher, in a health, welfare or aged care discipline
Or

a graduate diploma or graduate certificate in a health, welfare or aged care discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline

Master of Health Science - one year program

Applicants must have:

an undergraduate honours degree, or higher, in a health, welfare or aged care discipline

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

International applicants must apply directly to the University of Western Sydney via UWS International.

International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Health Services Management

This specialisation is designed for managers who require skills in contemporary management and their application in the health care setting. Particular emphasis is placed on critical and analytic skills in policy analysis, economic evaluation and epidemiology, thus providing graduates with the ability to respond creatively to changes as they arise. Health managers need to be current with developments in the general business area so potential in the health care setting can be evaluated and appropriate initiatives implemented. Particular specialty units include Organisational Governance and Performance Management, Health Workforce Planning, as well as Quality and Safety in Health Care.

A4000.1	Master of Health Science (Health Service Management) - 2 year pathway
A4003.1	Master of Health Science (Health Service Management) - 1.5 year pathway
A4006.1	Master of Health Science (Health Service Management) - 1 year pathway

Aged Care Management

Staff working in health and aged care organisations, charitable and private sectors, especially those in supervisory and management positions, will find this exposes them to contemporary issues in aged care, allowing them to up-skill management knowledge to position themselves in the forefront of innovation in the delivery and organisation of quality aged care.

A4001.1	Master of Health Science (Aged Care Management) - 2 year pathway
A4004.1	Master of Health Science (Aged Care Management) - 1.5 year pathway
A4007.1	Master of Health Science (Aged Care Management) - 1 year pathway

Occupational Health and Safety

Specialisation units include Occupational Health Management and Safety and Risk Management which focus on the practice of occupational health within national and international frameworks. It explores issues such as the physical, social and mental impact of the occupational environment on health. Strategies for the management of occupational health are examined, together with methods of monitoring and evaluating occupational health programs. Students have the opportunity to develop a safety systems approach concentrating on hazard identification, risk assessment and devising control measures incorporating safety management principles. The legal underpinning of OHS requirements at the workplace are also covered.

A4002.1	Master of Health Science (Occupational Health and Safety) - 2 year pathway
A4005.1	Master of Health Science (Occupational Health and Safety) - 1.5 year pathway
A4008.1	Master of Health Science (Occupational Health and Safety) - 1 year pathway

Graduate Diploma in Health Science

4700.1

Areas of relevance to health employees in the public or private sector form the foundation subjects of this course: Global perspectives on the social determinants of health; Public health policy; Epidemiology; Biostatistics; Health services management and health planning

Study Mode

One year full-time

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal
Parramatta Campus	Full Time	Multi Modal
Parramatta Campus	Part Time	Multi Modal

Admission

Applicants must have either:

an undergraduate degree in any discipline, or equivalent
Or

a graduate diploma or graduate certificate in any discipline, or equivalent plus two years full-time equivalent work experience in a health, welfare or aged care discipline

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

International applicants must apply directly to the University of Western Sydney via UWS International.

International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 80 credit points which include the units listed in the recommended sequences below.

Students must complete the following units

400416.2	Public Health, Policy and Society
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

And five units from the list below

400841.2	A Global Perspective on Social Determinants of Health
300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400778.2	Leadership and the Development of Organisational Capacity
400837.3	Health and Socio-political Issues in Aged Care
400840.3	Communicable Diseases
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems
401081.1	Organisational Governance and Performance Management

Graduate Certificate in Health Science

4701.1

Areas of relevance to health employees in the public or private sector form the foundation subjects of this course: Global perspectives on the social determinants of health; Public health policy; Epidemiology; and Biostatistics

Study Mode

Six months full-time

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal
Parramatta Campus	Full Time	Multi Modal
Parramatta Campus	Part Time	Multi Modal

Admission

Applicants must have either:

an undergraduate degree in any discipline, or equivalent
Or

a graduate diploma or graduate certificate in any discipline plus two years full-time equivalent work experience in a health, welfare or aged care discipline

Or

Three years full-time equivalent work experience in a health, welfare or aged care environment

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

International applicants must apply directly to the University of Western Sydney via UWS International.

International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 40 credit points which include the units listed in the recommended sequences below.

Students must complete the following units

400416.2	Public Health, Policy and Society
401076.1	Introduction to Epidemiology

And two units from the list below

401077.1	Introduction to Biostatistics
400841.2	A Global Perspective on Social Determinants of Health
300391.2	Occupational Health Management

300677.2	Safety and Risk Management
400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400778.2	Leadership and the Development of Organisational Capacity
400837.3	Health and Socio-political Issues in Aged Care
400840.3	Communicable Diseases
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems
401081.1	Organisational Governance and Performance Management

Master of Public Health

4702.1

This version of the course is available to new and continuing students. Students should follow the course structure for the course version relevant to the year they commenced. This version applies to students whose commencement year in the course was 2015 or later.

The Master of Public Health course is designed for professionals working in a variety of settings, including health departments and community organisations. Public health professionals are required to effectively assess and respond to emerging public health issues. This course emphasises a comprehensive assessment of all determinants of health, which include broader social and environmental factors in addition to physical risk factors. Students can study a wide range of evaluation processes and research methods such as policy analysis, economic evaluation, epidemiology and qualitative methods. Students also receive practical skills in community development and health promotion programs, and also complete a culminating research and practice experience in the evaluation of a contemporary public health issue.

Study Mode

Two years full-time. One and a half years full time or one year full time programs are also available, depending upon entry qualifications (see Pathways listed under Course Structure below)

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal
Parramatta Campus	Full Time	Multi Modal
Parramatta Campus	Part Time	Multi Modal

Admission

Two years full-time. One and a half years full time or one year full time programs are also available, depending upon entry qualifications (see Pathways listed under Course Structure below)

Master of Public Health - two year program

An undergraduate degree in any discipline, or equivalent
Or

a graduate diploma or graduate certificate in any discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline

Master of Public Health - one and a half year program

Applicants must have either

an undergraduate degree, or higher, in a health, welfare or aged care discipline

Or

a graduate diploma or graduate certificate in a health, welfare or aged care discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline

Master of Public Health - one year program

Applicants must have

an undergraduate honours degree, or higher, in a health, welfare or aged care discipline

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

International applicants must apply directly to the University of Western Sydney via UWS International. International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Pathways

A4009.1	Master of Public Health - 2 year pathway
A4010.1	Master of Public Health - 1.5 year pathway
A4011.1	Master of Public Health - 1 year pathway

Graduate Diploma in Public Health

4704.1

The Graduate Diploma course in public health is designed for health professionals who wish to extend and consolidate both practical and research skills for public health practice. For this, students can study a wide range of evaluation processes and research methods relating to public health and policy analysis, economic evaluation, epidemiology and biostatistics. Practical program skills are developed in community development and health promotion units

Study Mode

One year full-time

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal
Parramatta Campus	Full Time	Multi Modal
Parramatta Campus	Part Time	Multi Modal

Admission

Applicants must have either:

An undergraduate degree in any discipline, or equivalent
Or

A graduate diploma or graduate certificate in in any discipline, or equivalent plus two years full-time equivalent work experience in a health, welfare or aged care discipline

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website

International applicants must apply directly to the University of Western Sydney via UWS International.

International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 80 credit points which include the units listed in the recommended sequences below.

Students must complete the following units

400841.2	A Global Perspective on Social Determinants of Health
400416.2	Public Health, Policy and Society
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

And four units from the list below

300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400778.2	Leadership and the Development of Organisational Capacity
400837.3	Health and Socio-political Issues in Aged Care
400840.3	Communicable Diseases
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems
401081.1	Organisational Governance and Performance Management

Graduate Certificate in Public Health

4705.1

To complete the Graduate Certificate in Public Health, students complete the core units of the Graduate Diploma course. These units provide students with a range of critical, research and practical skills in the areas of public health and policy analysis, epidemiology, and biostatistics. The course will suit students who seek an introduction to public health or who wish to limit their studies according to their needs

Study Mode

Six months full-time

Location

Campus	Attendance	Mode
Parramatta Campus	Full Time	External
Parramatta Campus	Part Time	External
Parramatta Campus	Full Time	Internal
Parramatta Campus	Part Time	Internal
Parramatta Campus	Full Time	Multi Modal
Parramatta Campus	Part Time	Multi Modal

Admission

Applicants must have either:

an undergraduate degree in any discipline, or equivalent

Or

a graduate diploma or graduate certificate in any discipline plus two years full-time equivalent work experience in a health, welfare or aged care discipline

Or

Three years full-time equivalent work experience in a health, welfare or aged care environment

Applications from Australian citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local and International applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

International applicants must apply directly to the University of Western Sydney via UWS International.

International students applying to UWS through UWS International can find details of minimum English proficiency requirements and acceptable proof on the UWS International website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Qualification for this award requires the successful completion of 40 credit points

Students must complete the following units

400841.2	A Global Perspective on Social Determinants of Health
400416.2	Public Health, Policy and Society
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Master of Science

4727.1

The UWSOnline Master of Science is an innovative masters' degree course designed to allow students to pursue advanced training in science, while simultaneously developing business and workplace skills highly valued by employers. This qualification enables students to explore some of contemporary science's most pressing issues and to develop a wide range of skills associated with masters-level study. Students can tailor this postgraduate course to suit their own interests. Our units include areas such as environmental decision making, managing for sustainability, strategic management, science and its role in society, and research skills. There is a compulsory project unit where students undertake a substantial piece of independent

research which links science and a topic of choice. Research skills acquired in this program may provide a platform for further higher research degree enrolment.

Study Mode

One and a half years full-time (from 2016), or three years part-time

Location

Campus Attendance Mode

Online Part Time Multi Modal

Admission

Applicants for admission must have successfully completed an undergraduate degree in Natural or Physical Sciences

Or

An undergraduate degree in any discipline and two years full time equivalent work experience in a science related field. Applicants seeking admission on this basis must support their application with a Statement of Service outlining all relevant work experience. Please see the following link:

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Recommended Sequence

Part-Time (available from 2015)

Year 1

Autumn session

401151.1 Science Communication A

Spring session

401152.1 Science Communication B

At this point, students may exit with a Graduate Certificate in Science Communication

Year 2

Autumn session

Choose one of

401153.1 Environmental Decision Making
401158.1 Strategic Management in the Sciences A
401155.1 Managing for Sustainability

Note: If 401158 Strategic Management in the Sciences A is chosen in Autumn, 401159 Strategic Management in the Sciences B is mandatory in Spring.

Spring session

Choose one of

- 401153.1 Environmental Decision Making
- 401155.1 Managing for Sustainability
- 401159.1 Strategic Management in the Sciences B

At this point, students may exit with a Graduate Diploma in Science (Professional Science)

Year 3

Autumn session

- 401154.1 Research Skills in Science

Spring session

- 401156.1 MSc Research Project

Full-Time (commences 2016)

Year 1

Autumn session

- 401151.1 Science Communication A

Choose one of

- 401153.1 Environmental Decision Making
- 401155.1 Managing for Sustainability
- 401158.1 Strategic Management in the Sciences A

Note: If 401158 Strategic Management in the Sciences A is chosen, 401159 Strategic Management in the Sciences B is mandatory in Year 2

At this point, students may exit with a Graduate Certificate in Science

Spring session

- 401152.1 Science Communication B
- 401154.1 Research Skills in Science

At this point, students may exit with a Graduate Diploma in Science

Year 2

Autumn session

Note: For students who wish to pursue a PhD, it is recommended that you enrol in the 401157 MSc Major Research Project (40 credit points) in Year 2 instead of 401156 MSc Research Project (20 credit points). 401157 is designed specifically to prepare students for higher degree research. This major research project unit is delivered over one semester full time. You will also be Please contact Course Advisor to discuss

- 401156.1 MSc Research Project

And choose one of

- 401153.1 Environmental Decision Making
- 401155.1 Managing for Sustainability
- 401159.1 Strategic Management in the Sciences B

Or

- 401157.1 MSc Major Research Project

Specialisations

- ST4031.1 Professional Science
- ST4032.1 Sustainability

Graduate Diploma in Science

4728.1

The UWSONline Graduate Diploma in Science is an innovative course designed to allow students to pursue advanced training in science with flexibility that meets the needs of science graduates in a business world. This qualification will equip a scientist with important communication and research skills. The variety of units allows students choose from a number of electives including: sustainability, strategic management, and environmental decision-making. Successful completion of the graduate diploma will enable students to graduate or to pursue their studies with a Master of Science course.

Study Mode

One year full-time or two years part-time

Location

Campus Attendance Mode

Online	Full Time	Multi Modal
Online	Part Time	Multi Modal

Admission

Applicants for admission must have successfully completed an undergraduate degree in Natural or Physical Sciences

Or

An undergraduate degree in any discipline and two years full time equivalent work experience in a science related field. Applicants seeking admission on this basis must support their application with a Statement of Service outlining all relevant work experience. Please see the following link:

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS

Course Structure**Recommended Sequence****Part-Time (available from 2015)****Year 1****Autumn session**

401151.1 Science Communication A

Spring session

401152.1 Science Communication B

At this point, students may exit with a Graduate Certificate in Science Communication

Year 2**Autumn session**

Choose one of

- 401153.1** Environmental Decision Making
- 401155.1** Managing for Sustainability
- 401158.1** Strategic Management in the Sciences A

Note: If 401158 is chosen in Autumn, 401159 is mandatory in Spring.

Spring session

- 401153.1** Environmental Decision Making
- 401155.1** Managing for Sustainability
- 401159.1** Strategic Management in the Sciences B

Full-Time (commences 2016)**Year 1****Autumn session**

401151.1 Science Communication A

Choose one of

- 401153.1** Environmental Decision Making
- 401155.1** Managing for Sustainability
- 401158.1** Strategic Management in the Sciences A

Note: If 401158 Strategic Management in the Science A is chosen, 401159 Strategic Management in the Sciences B is mandatory in Year 2

At this point, students may exit with a Graduate Certificate in Science

Spring session

- 401152.1** Science Communication B
- 401154.1** Research Skills in Science

Graduate Diploma in Science (Professional Science)**4729.1**

The UWSOnline Graduate Diploma in Science (Professional Science) is an innovative degree designed to allow students to pursue advanced training in science, while simultaneously developing business skills highly valued by employers. This qualification enables students to explore scientific topics at postgraduate level and also have an interest in how science relates to the world of business. This course provides a backbone of skills important to a professional scientist; be they engaged in research, science business, industries or government organisations. The units are all delivered fully on line and include a range of communication modalities. Successful completion of the graduate diploma will enable students to graduate or to pursue their studies with a Master of Science course.

Study Mode

One year full-time or two years part-time

Location**Campus Attendance Mode**

Online	Full Time	Multi Modal
Online	Part Time	Multi Modal

Admission

Applicants for admission must have successfully completed an undergraduate degree in Natural or Physical Sciences Or

An undergraduate degree in any discipline and two years full time equivalent work experience in a science related field. Applicants seeking admission on this basis must support their application with a Statement of Service outlining all relevant work experience. Please see the following link:

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Students must complete the following four units

- 401151.1** Science Communication A
- 401158.1** Strategic Management in the Sciences A
- 401152.1** Science Communication B
- 401154.1** Research Skills in Science

Graduate Diploma in Science (Sustainability)

4730.1

The UWSOnline Graduate Diploma in Science (Sustainability) is an innovative course designed to allow students to pursue advanced training in science, while focussing on sustainability. This key and developing area of science is highly regarded by employers who are looking to advance their environment. This qualification enables students to explore scientific topics at postgraduate level, including delivering and supporting sustainability management in the workplace. Students will develop a multi-disciplinary perspective on sustainability, resources, and health and safety management. Successful completion of the graduate diploma will enable students to graduate or to pursue their studies with a Master of Science course.

Study Mode

One year full-time or two years part-time

Location

Campus Attendance Mode

Online Full Time Multi Modal

Online Part Time Multi Modal

Admission

Applicants for admission must have successfully completed an undergraduate degree in Natural or Physical Sciences

Or

An undergraduate degree in any discipline and two years full time equivalent work experience in a science related field. Applicants seeking admission on this basis must support their application with a Statement of Service outlining all relevant work experience. Please see the following link

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Students must complete four of the following units

401151.1	Science Communication A
401152.1	Science Communication B
401153.1	Environmental Decision Making
401154.1	Research Skills in Science
401155.1	Managing for Sustainability

Graduate Certificate in Science

4732.1

The UWSOnline Graduate Certificate in Science is a flexible course designed for students to pursue advanced training in science, while simultaneously developing specific areas of interest. This qualification is flexible and relevant for a workforce that thrives on science and technology and wishes to study at postgraduate level. The units are all taught fully on line and include a wide range of choice to cater for particular career needs. Successful completion of the graduate certificate will enable students to graduate or to pursue their studies with a Graduate Diploma in Professional Science or Graduate Diploma in Science (Sustainability). Further, students may be able to progress to the Master of Science course.

Study Mode

Six month full-time or one year part-time

Location

Campus Attendance Mode

Online Full Time Multi Modal

Online Part Time Multi Modal

Admission

Applicants for admission must have successfully completed an undergraduate degree in Natural or Physical Sciences

Or

An undergraduate degree in any discipline and two years full time equivalent work experience in a science related field. Applicants seeking admission on this basis must support their application with a Statement of Service outlining all relevant work experience. Please see the following link:

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

(Available from 2016)

Students must complete two of the following units:

401151.1	Science Communication A
401153.1	Environmental Decision Making
401155.1	Managing for Sustainability
401158.1	Strategic Management in the Sciences A

Graduate Certificate in Science Communication

4731.1

The UWSONline Graduate Certificate in Science Communication is an innovative course designed to allow students to pursue advanced training in science, while simultaneously developing the communication skills which are highly valued by employers. In today's increasingly commercialised and knowledge-intensive environment the proficient dissemination of expert scientific knowledge is critical. This graduate certificate is intended for graduates from disciplines engaging with science who wish to communicate effectively with scientists and professionals in business, industry, government, and the media. The units are all taught fully on line and include a range of communication modalities. Successful completion of the graduate certificate will enable students to graduate or to pursue their studies with a Graduate Diploma in Professional Science or Graduate Diploma in Science (Sustainability). Further, students may be able to progress to the Master of Science course.

Study Mode

Six months full-time or one year part-time

Location

Campus Attendance Mode

Online Full Time Multi Modal

Online Part Time Multi Modal

Admission

Applicants for admission must have successfully completed an undergraduate degree in Natural or Physical Sciences
Or

An undergraduate degree in any discipline and two years full time equivalent work experience in a science related field. Applicants seeking admission on this basis must support their application with a Statement of Service outlining all relevant work experience. Please see the following link:

Applications from Australian and New Zealand citizens and holders of permanent resident visas must be made via the Universities Admissions Centre (UAC).

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to UWS should also use the information provided on the UAC website.

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and UWS.

Course Structure

Students must complete the following two units

Part-Time (available from 2015)

Year 1

Autumn session

401151.1 Science Communication A

Spring session

401152.1 Science Communication B

Full-Time (commences 2016)

Autumn session

401151.1 Science Communication A

401152.1 Science Communication B

Specialisations

Postgraduate Admission Pathway - Master of Health Science (Health Service Management) - 2 year pathway

A4000.1

This specialisation is designed for managers who require skills in contemporary management and their application in the health care setting. Particular emphasis is placed on critical and analytic skills in policy analysis, economic evaluation and epidemiology, thus providing graduates with the ability to respond creatively to changes as they arise. Health managers need to be current with developments in the general business area so potential in the health care setting can be evaluated and appropriate initiatives implemented. Particular specialty units include Organisational Governance and Performance Management, Health Workforce Planning, as well as Quality and Safety in Health Care.

Specialisation Structure

Master of Health Science - two year program. Applicants must have either: An undergraduate degree in any discipline, or equivalent Or A graduate diploma or graduate certificate in any discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline

Health Services Management

Core Units

Students must complete the core units listed below

400416.2	Public Health, Policy and Society
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
401081.1	Organisational Governance and Performance Management
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Alternate Units

Students enrolled in the two year program may select up to eight of the following units

400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400846.3	Building Organisational Capacity in Health Care
400841.2	A Global Perspective on Social Determinants of Health
300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400837.3	Health and Socio-political Issues in Aged Care

400778.2	Leadership and the Development of Organisational Capacity
400840.3	Communicable Diseases
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic
401078.1	Research Project

Note: 401078 - Research Project is 20 credit point unit

401079.1	Dissertation
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Note: 401079 - Dissertation is a 40 credit point unit

Postgraduate Admission Pathway - Master of Health Science (Aged Care Management) - 2 year pathway

A4001.1

Staff working in health and aged care organisations, charitable and private sectors, especially those in supervisory and management positions, will find this exposes them to contemporary issues in aged care, allowing them to up-skill management knowledge to position themselves in the forefront of innovation in the delivery and organisation of quality aged care.

Specialisation Structure

Master of Health Science - two year program. Applicants must have either: An undergraduate degree in any discipline, or equivalent Or A graduate diploma or graduate certificate in any discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline.

Aged Care Management

Core Units

Students must complete the core units listed below

400416.2	Public Health, Policy and Society
400837.3	Health and Socio-political Issues in Aged Care
400845.2	Health Financial Management
400843.2	Health Workforce Planning
401081.1	Organisational Governance and Performance Management
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Alternate Units

Students enrolled in the two year program may select up to eight of the following units

400777.3	Leadership for Quality and Safety in Health Care
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400841.2	A Global Perspective on Social Determinants of Health
300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400238.3	Policy, Power and Politics in Health Care Provision
400778.2	Leadership and the Development of Organisational Capacity
400840.3	Communicable Diseases
400844.2	Health Services and Facilities Planning
400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic
401078.1	Research Project

Note: 401078 - Research Project is 20 credit point unit

401079.1	Dissertation
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Note: 401079 - Dissertation is a 40 credit point unit

Postgraduate Admission Pathway - Master of Health Science (Occupational Health and Safety) - 2 year pathway

A4002.1

Specialisation units include Occupational Health Management and Safety and Risk Management which focus on the practice of occupational health within national and international frameworks. It explores issues such as the physical, social and mental impact of the occupational environment on health. Strategies for the management of occupational health are examined, together with methods of monitoring and evaluating occupational health programs. Students have the opportunity to develop a safety systems approach concentrating on hazard identification, risk assessment and devising control measures incorporating safety management principles. The legal underpinning of OHS requirements at the workplace are also covered.

Specialisation Structure

Master of Health Science - two year program. Applicants must have either: An undergraduate degree in any discipline, or equivalent Or A graduate diploma or graduate certificate in any discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline.

Occupational Health and Safety

Core Units

Students must complete the core units listed below

300391.2	Occupational Health Management
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300677.2	Safety and Risk Management
400416.2	Public Health, Policy and Society
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Alternate Units

Students enrolled in the two year program may select up to ten of the following units

400841.2	A Global Perspective on Social Determinants of Health
400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400778.2	Leadership and the Development of Organisational Capacity
400837.3	Health and Socio-political Issues in Aged Care
400840.3	Communicable Diseases
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems
401081.1	Organisational Governance and Performance Management

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic
401078.1	Research Project

Note: 401078 - Research Project is 20 credit point unit

401079.1	Dissertation
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Note: 401079 - Dissertation is a 40 credit point unit

Postgraduate Admission Pathway - Master of Health Science (Health Service Management) - 1.5 year pathway

A4003.1

This specialisation is designed for managers who require skills in contemporary management and their application in the health care setting. Particular emphasis is placed on critical and analytic skills in policy analysis, economic evaluation and epidemiology, thus providing graduates with the ability to respond creatively to changes as they arise. Health managers need to be current with developments in the general business area so potential in the health care setting can be evaluated and appropriate initiatives implemented. Particular specialty units include Organisational Governance and Performance Management, Health Workforce Planning, as well as Quality and Safety in Health Care.

Specialisation Structure

Master of Health Science - One and a half year program. Applicants must have either: an undergraduate degree, or higher, in a health, welfare or aged care discipline Or a graduate diploma or graduate certificate in a health, welfare or aged care discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline.

Health Services Management

Core Units

Students must complete the core units listed below

400416.2	Public Health, Policy and Society
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
401081.1	Organisational Governance and Performance Management
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Alternate Units

Students enrolled in the one and a half year program may select up to four of the following units

400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400846.3	Building Organisational Capacity in Health Care
400841.2	A Global Perspective on Social Determinants of Health
300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400837.3	Health and Socio-political Issues in Aged Care
400778.2	Leadership and the Development of Organisational Capacity
400840.3	Communicable Diseases
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic
401078.1	Research Project

Note: 401078 - Research Project is 20 credit point unit

401079.1	Dissertation
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Note: 401079 - Dissertation is a 40 credit point unit

Postgraduate Admission Pathway - Master of Health Science (Aged Care Management) - 1.5 year pathway

A4004.1

Staff working in health and aged care organisations, charitable and private sectors, especially those in supervisory and management positions, will find this exposes them to contemporary issues in aged care, allowing them to up-skill management knowledge to position themselves in the forefront of innovation in the delivery and organisation of quality aged care.

Specialisation Structure

Master of Health Science - One and a half year program. Applicants must have either: an undergraduate degree, or higher, in a health, welfare or aged care discipline Or a graduate diploma or graduate certificate in a health, welfare or aged care discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline.

Aged Care Management

Core Units

Students must complete the core units listed below

400416.2	Public Health, Policy and Society
400837.3	Health and Socio-political Issues in Aged Care
400845.2	Health Financial Management
400843.2	Health Workforce Planning
401081.1	Organisational Governance and Performance Management
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Alternate Units

Students enrolled in the one and a half year program may select up to four of the following units

400777.3	Leadership for Quality and Safety in Health Care
400841.2	A Global Perspective on Social Determinants of Health
300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400238.3	Policy, Power and Politics in Health Care Provision
400778.2	Leadership and the Development of Organisational Capacity
400840.3	Communicable Diseases
400844.2	Health Services and Facilities Planning
400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic
401078.1	Research Project

Note: 401078 - Research Project is 20 credit point unit

401079.1	Dissertation
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Note: 401079 - Dissertation is a 40 credit point unit

Postgraduate Admission Pathway - Master of Health Science (Occupational Health and Safety) - 1.5 year pathway

A4005.1

Specialisation units include Occupational Health Management and Safety and Risk Management which focus on the practice of occupational health within national and international frameworks. It explores issues such as the physical, social and mental impact of the occupational environment on health. Strategies for the management of occupational health are examined, together with methods of monitoring and evaluating occupational health programs. Students have the opportunity to develop a safety systems approach concentrating on hazard identification, risk assessment and devising control measures incorporating safety management principles. The legal underpinning of OHS requirements at the workplace are also covered.

Specialisation Structure

Master of Health Science - one and a half year program. Applicants must have either: an undergraduate degree, or higher, in a health, welfare or aged care discipline Or a graduate diploma or graduate certificate in a health, welfare or aged care discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline.

Occupational Health and Safety

Core Units

Students must complete the core units listed below

300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400416.2	Public Health, Policy and Society
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Alternate Units

Students enrolled in the one and a half year program may select up to six of the following units

400841.2	A Global Perspective on Social Determinants of Health
400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400778.2	Leadership and the Development of Organisational Capacity
400837.3	Health and Socio-political Issues in Aged Care

400840.3	Communicable Diseases
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems
401081.1	Organisational Governance and Performance Management

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic
401078.1	Research Project

Note: 401078 - Research Project is 20 credit point unit

401079.1	Dissertation
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Note: 401079 - Dissertation is a 40 credit point unit

Postgraduate Admission Pathway - Master of Health Science (Health Service Management) - 1 year pathway

A4006.1

This specialisation is designed for managers who require skills in contemporary management and their application in the health care setting. Particular emphasis is placed on critical and analytic skills in policy analysis, economic evaluation and epidemiology, thus providing graduates with the ability to respond creatively to changes as they arise. Health managers need to be current with developments in the general business area so potential in the health care setting can be evaluated and appropriate initiatives implemented. Particular specialty units include Organisational Governance and Performance Management, Health Workforce Planning, as well as Quality and Safety in Health Care.

Specialisation Structure

Health Services Management

Master of Health Science - one year program. Applicants must have: an undergraduate honours degree, or higher, in a health, welfare or aged care discipline.

Core Units

Students must complete the core units listed below

400416.2	Public Health, Policy and Society
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
401081.1	Organisational Governance and Performance Management
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic

Postgraduate Admission Pathway - Master of Health Science (Aged Care Management) - 1 year pathway

A4007.1

Staff working in health and aged care organisations, charitable and private sectors, especially those in supervisory and management positions, will find this exposes them to contemporary issues in aged care, allowing them to up-skill management knowledge to position themselves in the forefront of innovation in the delivery and organisation of quality aged care.

Specialisation Structure

Master of Health Science - one year program. Applicants must have: an undergraduate honours degree, or higher, in a health, welfare or aged care discipline.

Aged Care Management**Core Units**

Students must complete the core units listed below

400416.2	Public Health, Policy and Society
400837.3	Health and Socio-political Issues in Aged Care
400845.2	Health Financial Management
400843.2	Health Workforce Planning
401081.1	Organisational Governance and Performance Management
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic

Postgraduate Admission Pathway - Master of Health Science (Occupational Health and Safety) - 1 year pathway

A4008.1

Specialisation units include Occupational Health Management and Safety and Risk Management which focus on the practice of occupational health within national and international frameworks. It explores issues such as the physical, social and mental impact of the occupational

environment on health. Strategies for the management of occupational health are examined, together with methods of monitoring and evaluating occupational health programs. Students have the opportunity to develop a safety systems approach concentrating on hazard identification, risk assessment and devising control measures incorporating safety management principles. The legal underpinning of OHS requirements at the workplace are also covered.

Specialisation Structure

Master of Health Science - one year program. Applicants must have: an undergraduate honours degree, or higher, in a health, welfare or aged care discipline.

Occupational Health and Safety**Core Units**

Students must complete the core units listed below

300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400416.2	Public Health, Policy and Society
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Alternate Units

Students enrolled in the one year program may select up to two of the following units

400841.2	A Global Perspective on Social Determinants of Health
400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400778.2	Leadership and the Development of Organisational Capacity
400837.3	Health and Socio-political Issues in Aged Care
400840.3	Communicable Diseases
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems
401081.1	Organisational Governance and Performance Management

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic
401078.1	Research Project

Note: 401078 - Research Project is 20 credit point unit

401079.1	Dissertation
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Note: 401079 - Dissertation is a 40 credit point unit

Postgraduate Admission Pathway - Master of Public Health - 2 year pathway

A4009.1

The Master of Public Health course is designed for professionals working in a variety of settings, including health departments and community organisations. Public health professionals are required to effectively assess and respond to emerging public health issues. This course emphasises a comprehensive assessment of all determinants of health, which include broader social and environmental factors in addition to physical risk factors. Students can study a wide range of evaluation processes and research methods such as policy analysis, economic evaluation, epidemiology and qualitative methods. Students also receive practical skills in community development and health promotion programs, and also complete a culminating research and practice experience in the evaluation of a contemporary public health issue.

Location

Campus	Mode
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Master of Public Health - two year program. An undergraduate degree in any discipline, or equivalent Or a graduate diploma or graduate certificate in any discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline.

Core Units

All students must complete the core units below

400841.2	A Global Perspective on Social Determinants of Health
400416.2	Public Health, Policy and Society
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Alternate Units

Students enrolled in the two year program may select up to eleven of the following units

300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400778.2	Leadership and the Development of Organisational Capacity
400837.3	Health and Socio-political Issues in Aged Care
400840.3	Communicable Diseases
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management

400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems
401081.1	Organisational Governance and Performance Management

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic
401078.1	Research Project
401079.1	Dissertation

Postgraduate Admission Pathway - Master of Public Health - 1.5 year pathway

A4010.1

The Master of Public Health course is designed for professionals working in a variety of settings, including health departments and community organisations. Public health professionals are required to effectively assess and respond to emerging public health issues. This course emphasises a comprehensive assessment of all determinants of health, which include broader social and environmental factors in addition to physical risk factors. Students can study a wide range of evaluation processes and research methods such as policy analysis, economic evaluation, epidemiology and qualitative methods. Students also receive practical skills in community development and health promotion programs, and also complete a culminating research and practice experience in the evaluation of a contemporary public health issue.

Location

Campus	Mode
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Master of Public Health - One and a half year program. Applicants must have either an undergraduate degree, or higher, in a health, welfare or aged care discipline Or a graduate diploma or graduate certificate in a health, welfare or aged care discipline plus three years full-time equivalent work experience in a health, welfare or aged care discipline.

Core Units

All students must complete the core units below

400841.2	A Global Perspective on Social Determinants of Health
400416.2	Public Health, Policy and Society
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Alternate Units

Students enrolled in the one and a half year program may select up to seven of the following units

300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400778.2	Leadership and the Development of Organisational Capacity
400837.3	Health and Socio-political Issues in Aged Care
400840.3	Communicable Diseases
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems
401081.1	Organisational Governance and Performance Management

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic
401078.1	Research Project
401079.1	Dissertation

Postgraduate Admission Pathway - Master of Public Health - 1 year pathway**A4011.1**

The Master of Public Health course is designed for professionals working in a variety of settings, including health departments and community organisations. Public health professionals are required to effectively assess and respond to emerging public health issues. This course emphasises a comprehensive assessment of all determinants of health, which include broader social and environmental factors in addition to physical risk factors. Students can study a wide range of evaluation processes and research methods such as policy analysis, economic evaluation, epidemiology and qualitative methods. Students also receive practical skills in community development and health promotion programs, and also complete a culminating research and practice experience in the evaluation of a contemporary public health issue.

Location

Campus	Mode
Parramatta Campus	External
Parramatta Campus	Internal

Specialisation Structure

Master of Public Health - one year program. Applicants must have an undergraduate honours degree, or higher, in a health, welfare or aged care discipline.

Core Units

All students must complete the core units below

400841.2	A Global Perspective on Social Determinants of Health
400416.2	Public Health, Policy and Society
401076.1	Introduction to Epidemiology
401077.1	Introduction to Biostatistics

Alternate Units

Students enrolled in the one year program may select up to three of the following units

300391.2	Occupational Health Management
300677.2	Safety and Risk Management
400238.3	Policy, Power and Politics in Health Care Provision
400777.3	Leadership for Quality and Safety in Health Care
400778.2	Leadership and the Development of Organisational Capacity
400837.3	Health and Socio-political Issues in Aged Care
400840.3	Communicable Diseases
400843.2	Health Workforce Planning
400844.2	Health Services and Facilities Planning
400845.2	Health Financial Management
400846.3	Building Organisational Capacity in Health Care
400847.3	Surveillance and Disaster Planning
400967.2	Health Economics and Comparative Health Systems
401081.1	Organisational Governance and Performance Management

Capstone Units

Students must complete at least one of the following units

401080.1	Research Protocol Design and Practice
400418.4	Health Advancement and Health Promotion
400850.2	Professional Topic
401078.1	Research Project
401079.1	Dissertation

Postgraduate Specialisation - Professional Science**ST4031.1**

The UWSONline Master of Science with a major in Professional Science is an innovative masters degree course designed to allow students to pursue advanced training in science, while simultaneously developing business and workplace skills highly valued by employers. This qualification enables students to explore scientific topics at postgraduate level and also have an interest in how science relates to the world of business. This course provides a backbone of skills important to a professional

scientist; be they engaged in research, science business, industries or government organisations. There is a compulsory project unit where students undertake a substantial piece of independent research which links science and business. Research skills acquired in this program may provide a platform for further higher research degree enrolment.

Specialisation Structure

Recommended Sequence

Full-Time (available from 2016)

Year 1

Autumn session

- 401151.1** Science Communication A
401158.1 Strategic Management in the Sciences A

At this point, students may exit with a Graduate Certificate in Science

Spring session

- 401152.1** Science Communication B
401154.1 Research Skills in Science

At this point, students may exit with a Graduate Diploma in Science (Professional Science)

Year 2

Autumn session

- 401159.1** Strategic Management in the Sciences B
401156.1 MSc Research Project

Year 1

Part-Time

Autumn session

- 401151.1** Science Communication A

Spring session

- 401152.1** Science Communication B

At this point, students may exit with a Graduate Certificate in Science Communication

Year 2

Autumn session

- 401158.1** Strategic Management in the Sciences A

Spring session

- 401159.1** Strategic Management in the Sciences B

At this point, students may exit with a Graduate Diploma in Science (Professional Science)

Year 3

Autumn session

- 401154.1** Research Skills in Science

Spring session

- 401156.1** MSc Research Project

Postgraduate Specialisation - Sustainability

ST4032.1

The UWSONline Master of Science with a major in Sustainability is an innovative masters degree course designed to allow students to pursue advanced training in science, while simultaneously developing business and workplace skills highly valued by employers. This qualification enables students to explore scientific topics at postgraduate level, including delivering and supporting sustainability management in the workplace. Students will develop a multi-disciplinary perspective on sustainability, resources, and health and safety management. This course will equip students to improve the efficiency and effectiveness in which organisations incorporate sustainability issues and identify future trends and drivers for change in this area. This degree includes a compulsory research unit where students undertake a substantial piece of independent research which links science and sustainability. Research skills acquired in this program may provide a platform for further higher research degree enrolment.

Specialisation Structure

Recommended Sequence

Full-Time (available from 2016)

Year 1

Autumn session

- 401151.1** Science Communication A
401153.1 Environmental Decision Making

At this point, students may exit with a Graduate Certificate in Science

Spring session

- 401152.1** Science Communication B
401154.1 Research Skills in Science

At this point, students may exit with a Graduate Diploma in Science (Sustainability)**Year 2****Autumn session**

401155.1 Managing for Sustainability
401156.1 MSc Research Project

Year 1**Part-Time****Autumn session**

401151.1 Science Communication A

Spring session

401152.1 Science Communication B

At this point, students may exit with a Graduate Certificate in Science Communication**Year 2****Autumn session**

401153.1 Environmental Decision Making

Spring session

401155.1 Managing for Sustainability

At this point, students may exit with a Graduate Diploma in Science (Sustainability)**Year 3****Autumn session**

401154.1 Research Skills in Science

Spring session

401156.1 MSc Research Project

Units

400841.2 A Global Perspective on Social Determinants of Health

Credit Points 10 **Level** 7

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Evidence is mounting that the health of individuals, groups and whole populations is significantly determined by social factors - the social determinants. The related research has its origins in concern for the growing inequalities in health both within and between countries. This unit examines the framework of the social determinants of health in a global perspective and includes a reflection on the phenomenon of globalisation and its impact, both positive and negative on people's health. Students will critically reflect on this relatively new and emerging body of knowledge and research which clearly situates the maintenance of health and healthy societies within their socioeconomic and socio-cultural contexts. They will also examine implications for policy, health systems and different groups within society.

400846.3 Building Organisational Capacity in Health Care

Credit Points 10 **Level** 7

Equivalent Units

400778 - Leadership and the Development of Organisational Capacity in Health Care

Special Requirements

Students must be enrolled in a postgraduate course.

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The concept, form and structure of health care organisations are explored. Organisational theory is used to analyse contemporary health care structures. Factors which influence organisational design, function and effectiveness are discussed including: organisational behaviour, strategy, culture, power and politics, technology, sustainability and effectiveness. A major focus is planning for strategic organisational development to meet the challenges of rapid change and the need for performance improvements in patient care delivery. Concepts related to the strategic development of workforce capacity in the health care arena considered through the application of theories including the learning organisation. Leadership is examined with emphasis on change management.

400840.3 Communicable Diseases

Credit Points 10 **Level** 7

Special Requirements

Students must be enrolled in a postgraduate course.

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This unit will encompass clinical aspects, epidemiology, prevention and control of important communicable diseases, both in Australia, and globally. Specific topics covered include causative agents, routes of transmission, host responses, risk factors, environmental influences,

vector- and food-borne diseases, vaccine-preventable diseases, legislative requirements, surveillance, outbreak investigations, bioterrorism, strategies for prevention and control and emerging challenges.

401079.1 Dissertation

Credit Points 40 **Level** 7

Assumed Knowledge

Core (or foundational) units associated with their Masters program, ideally in relevant research design and practice related disciplines.

Corequisite

401076.1 Introduction to Epidemiology AND **401077.1** Introduction to Biostatistics

Special Requirements

Students must be enrolled in a post-graduate course and have a GPA of 5 or greater. If students are enrolled in the Master of Public Health or Master of Health Science, students must have enrolled in, or completed 401076 'Introduction to Epidemiology' and 401077 'Introduction to Biostatistics'. Students must also have an approved Masters Dissertation Proposal before enrolling. Students must submit a proposal no longer than 3 pages comprising the following: 1. Proposed title 2. Background and rationale 3. Research objectives 4. Research plan (including study design, data sources, and analytic strategy) 5. Expected outcomes and benefits 6. Ethical implications 7. Budget and how research costs are to be met (if required) 8. Timeline 9. SSH Supervisor endorsement. Approval of the Dissertation Proposal must be provided by the relevant Director of Academic Programs to ensure that the project meets the expected scale and scope of a 40 credit point Dissertation.

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This unit requires students to complete a substantial piece of independent research, including research planning, study design, data collection and analysis, and interpretation. Dissertation projects are developed in consultation with staff who possess similar research interests and relevant research experience. Results and conclusions are expected to be of a publishable standard, and students may wish to submit their work for examination in a form suitable for publication in the peer-reviewed literature (with supplementary material as appropriate).

401153.1 Environmental Decision Making

Credit Points 20 **Level** 7

Special Requirements

Students must be enrolled in the online courses Master of Science or any other postgraduate UWS program where this unit can be taken an unspecified elective and where there are sufficient credit points available in the study program. Students are required to have access to the internet and appropriate hardware and software for online study.

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Many of decisions and actions affect the environment, yet economic and political considerations often dominate. Defining environment to include biophysical, social,

political, economic and other factors, this online unit uses a systems framework to integrate 'environment' with other elements in environmental decision-making situations. Students will learn techniques and skills in systems thinking including: modelling, evaluating, negotiating, formulating problems and opportunities, identifying feasible and desirable changes and taking action. The unit features a case study on air travel and examples including water, energy, agriculture and climate change. Students will also explore an environmental decision-making situation through the development of a project.

400417.2 Epidemiology and Quantitative Methods

Credit Points 10 **Level** 7

Equivalent Units

E7228 - Epidemiology and Quantitative Methods.

Special Requirements

Students must be enrolled in a postgraduate course.

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In this unit, students will study the fundamental concepts and principles of epidemiology and biostatistics and will be given the opportunities through exercise and tutorials to apply these concepts and principles to published public health literature. The unit is designed to give students the skills to interpret and critically evaluate public health literature and to equip the students with the skills for public health research. A range of research studies is examined, including studies of occurrence and risk factors for disease, and studies evaluating intervention treatments or programs. Both the epidemiological and statistical evidence for the findings are critically assessed.

400206.2 Evidence-based Nursing

Credit Points 10 **Level** 7

Assumed Knowledge

A basic knowledge of research methods at undergraduate level plus basic nursing knowledge and clinical nursing experience.

Special Requirements

Students must be enrolled in a postgraduate course.

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In 2015, this unit is replaced by 401168 - Evidence Based Health Care. This unit is designed to develop students' knowledge of the principles and processes necessary for evidence-based clinical practice. General concepts associated with evidence-based nursing are explored. In addition students are assisted to formulate focussed clinical questions and conduct a comprehensive literature search for research evidence that may assist in answering such questions. Issues and techniques involved in the rigorous appraisal of research reports are addressed. The importance of clinical significance and individual patient preferences when making clinical judgments about the implementation of research findings are also explored.

400418.4 Health Advancement and Health Promotion

Credit Points 10 **Level** 7

Corequisite

401076.1 Introduction to Epidemiology AND **401077.1** Introduction to Biostatistics

Special Requirements

Students must be enrolled in a postgraduate course.

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By investigating and addressing the multilevel determinants of health outcomes and inequalities, health promotion initiatives aim to improve the health and wellbeing of individuals and societies. In this unit, we will nurture an understanding of concepts and models of health promotion, evaluate the relative successes of recent and classic initiatives within Australia and overseas, and critically engage with debates concerned with the most appropriate strategies for tackling health inequalities in the context of major societal challenges (e.g. population ageing, urbanisation and climate change). Core competencies are nurtured (e.g. Plan and evaluate an intervention) to prepare students for practicing and further study in the field of health promotion.

400837.3 Health and Socio-political Issues in Aged Care

Credit Points 10 **Level** 7

Equivalent Units

400239 - Contemporary Issues in Aged Care

Special Requirements

Students must be enrolled in a postgraduate course.

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This unit examines health and socio political issues in aged care within a social capital framework. Social constructs and contexts of ageing are explored and issues of social and economic disadvantage are examined. Equity and access to health care services and the experiences of older people within these services are also highlighted. The role of health professionals and managers in actively engaging in and influencing health and social policy debate for ethically just care and services for older people is presented.

400967.2 Health Economics and Comparative Health Systems

Credit Points 10 **Level** 7

Equivalent Units

E7232 - Economics and Organisation of Health Services, 400420 - Health Economics and Comparative Health Systems

Special Requirements

Students must be enrolled in a postgraduate course.

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The unit explores contemporary examples of the role of economics in the organisation, funding and provision of

health services. Case examples include, Australia, America, China, Hong Kong, Scandinavia, United Kingdom and India. Students use the principles of economics to assess funding of health with a focus on the interface between economics, ethics and equity in decision making. They also consider the tendency for health systems to be organised around economic principles in areas such as, contracting out, health insurance and pharmaceuticals. Students are encouraged to reflect on the challenges and future directions of their own health system in the context of the unit components.

400845.2 Health Financial Management

Credit Points 10 **Level** 7

Equivalent Units

400420 - Health Economics and Comparative Health Systems, 400544 - Resources management in Aged Care

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This unit provides health leaders with an introduction to financial management in health and aged care settings as a basis for understanding the impact of leadership decision-making on financial outcomes and how financial decision-making impacts on clinical service delivery. Content includes an overview of health economics and economic evaluation, health care funding models, the principles, practices and tools for financial planning and management, basic accounting principles and financial terminology and using financial information and reporting for negotiating financial plans, tracking and evaluating financial performance and using financial information in decision-making within the clinical environment.

400844.2 Health Services and Facilities Planning

Credit Points 10 **Level** 7

Equivalent Units

51109 - Strategic Analysis and Decision Making

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Planning occurs at all levels within all health organisations, government, non-government and in the private sector. There is a hierarchy in planning health services with some global overarching policy documents, national agreed priorities which affect corporate and regional plans as well as local services and projects. Planning focuses on future directions for health, is value based and resource allocation driven. The process of planning will be outlined including how to conduct a needs analysis, develop an evidence based approach, consult with stakeholders including the community, document an implementation plan and evaluate outcomes.

400843.2 Health Workforce Planning

Credit Points 10 **Level** 7

Equivalent Units

46518 - Human Resources Management; 400545 - Workforce Planning and HR Issues in Aged Care, 200718 - Human Resource Management

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This is a flexible learning unit looking at Human Resources Management (HRM) as a strategic activity of health organisations especially as workforce shortages pose significant challenges to the health, welfare and aged care sectors. The workforce, with appropriate knowledge and expertise, is essential to the efficient and effective delivery of quality health services. Successful organisations shape their workforce to anticipate current and future business directions and goals. Workforce planning is a crucial element of this approach and its success.

401077.1 Introduction to Biostatistics

Credit Points 10 **Level** 7

Assumed Knowledge

High school mathematics (arithmetic, formulas and algebra, reading graphs)

Special Requirements

Students must be enrolled in a postgraduate course to enrol in this unit

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Most professions in the health sciences need to read and interpret statistics relating to individual health status, interpret health risks in communities, and engage in the evaluation of interventions, or impact of health policies or programs. Many public health practitioners are actively involved in surveillance, quantitative research and/or evaluation. This unit provides students with the fundamental skills they need to analyse and interpret results from quantitative data collections. Content includes descriptive statistics, undertaking comparisons between groups, quantifying associations between variables, and statistical power. The unit is highly applied with the main focus being on interpretation and appraisal of statistical results and conducting analyses using statistical software.

401076.1 Introduction to Epidemiology

Credit Points 10 **Level** 7

Special Requirements

Students must be enrolled in a postgraduate course

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Epidemiology is the study of the distribution and determinants of disease and other health-related conditions in populations, and the application of this study to the control of health problems. Epidemiology encompasses a broad range of activities fundamental to the health sciences. The course is aimed to equip students with the ability to understand and critically appraise evidence from the health sciences used in the formulation of clinical interventions, assessments of population disease burden, and development of health policy. Students will be taught the fundamental concepts and principles of epidemiology and will be given the opportunities through exercises and tutorials to apply these concepts and principles to case studies from current epidemiological research and practice.

400778.2 Leadership and the Development of Organisational Capacity

Credit Points 10 **Level** 7

Assumed Knowledge

Understanding of the principles of leadership and management theories and the attributes of effective leadership in a changing health care environment.

Special Requirements

Students must be enrolled in a postgraduate course.

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This unit examines the concept, form and structure of health care organisations. Organisational theory is explored and used to analyse a range of structures used in nursing and contemporary health care. Factors which influence organisational design, function and effectiveness are explored and discussed including: organisational behaviour, strategy, culture, power and politics, technology, sustainability and effectiveness. A major focus in the unit is planning for strategic organisational development to meet the challenges of rapid change and the need for performance improvements in patient care delivery. Concepts related to the strategic development of workforce capacity in the health care arena are considered through the application of a range of theories including the learning organisation. Leadership will be examined within the context of the unit with a particular emphasis on change management.

400777.3 Leadership for Quality and Safety in Health Care

Credit Points 10 **Level** 7

Equivalent Units

400842 - Quality and Safety in Health Care

Special Requirements

Students must be enrolled in a postgraduate course. Students enrolled in course 4673 must have passed the following three units before they can enrol in this unit: 400220 - Contemporary Professional Practice in Mental Health Nursing and 400206 - Evidence-based Nursing and 400235 - Leadership in Clinical Practice.

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Increasingly clinical leaders, practitioners and health service managers are being held accountable for improving the quality and safety of patient care and for developing a culture of quality improvement within their teams. In this unit students learn about quality, patient safety and governance frameworks and strategies that they can employ within healthcare to improve system performance, patient safety and patient outcomes. The main approaches used to address quality of care and patient safety are examined and their applications critiqued. Students will explore leadership issues for developing systematic, coherent quality improvement frameworks and quality initiatives that can be applied within their own sphere of practice.

401155.1 Managing for Sustainability

Credit Points 20 **Level** 7

Special Requirements

Students must be enrolled in the online courses Master of Science or any other postgraduate UWS program where this unit can be taken as an unspecified credit and where there are sufficient credit points available in the study program. Students are required to have access to the internet and appropriate hardware and software for online study.

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This online unit is concerned with delivering and supporting sustainability management. Students will develop a multi-disciplinary perspective on resources, sustainability and health and safety management which will incorporate strategy, policy, data collection and knowledge management. It will introduce students to a systemic approach for studying organisational operations and methods for quantifying and optimising resource use and energy use while using tools to reduce environmental, societal and financial risk. Students will also learn how to improve the efficiency and effectiveness with which organisations can incorporate sustainability issues and to identify future trends and drivers for change in this area.

300398.2 Methods of Researching

Credit Points 10 **Level** 7

Assumed Knowledge

Library research skills, project design and management, an area of science.

Equivalent Units

ASC411 - Research Methodology & Experimental Design, SC808A - Research Methodology & Experimental Design, NU808A - Introduction to Research PHC, EH838A - Research methods: science in context, 300277 - Professional Praxis - Inquiring in Context

Special Requirements

Students must be enrolled in a postgraduate course.

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From 2015 students should take 401080 - Research Protocol Design and Practice. In this unit postgraduate students develop a proposal for a research study in an area of interest, drawing upon their knowledge and experiences from other units in their program of study. Students learn how to apply research methods to a variety of research situations and questions; to understand how research questions are developed and answered empirically through suitable choice of research methodology, design and method; and how research findings are validated and communicated. The unit is taught through self-paced, self-directed learning. Class contact is three days of workshops, in the first and second half of the session.

401157.1 MSc Major Research Project

Credit Points 40 **Level** 7

Prerequisite

401154.1 Research Skills in Science

Special Requirements

Students must be enrolled in the online courses Master of Science or any other postgraduate UWS program where this unit can be taken an unspecified elective and where there are sufficient credit points available in the study program. Students are required to have access to the internet and appropriate hardware and software for online study.

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This masters-level project unit in science, which is entirely online, is an opportunity for students to carry out an in-depth investigation into a subject of their own choice. The only constraint on the subject is that it must be linked to one or more of the knowledge-based objectives of a student's previous studies in this program. The project can be literature based, involve laboratory or fieldwork, or include the design and use of a questionnaire. Students will have the support and guidance of a tutor.

401156.1 MSc Research Project

Credit Points 20 **Level** 7

Prerequisite

401154.1 Research Skills in Science

Special Requirements

Students must be enrolled in the online courses Master of Science or any other postgraduate UWS program where this unit can be taken an unspecified elective and where there are sufficient credit points available in the study program. Students are required to have access to the internet and appropriate hardware and software for online study.

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This masters-level project unit in science, which is entirely online, is an opportunity for students to carry out an in-depth investigation into a subject of their own choice. The only constraint on the subject is that it must be linked to one or more of the knowledge-based objectives of a student's previous studies in this program. The project can be literature based, involve laboratory or fieldwork, or include the design and use of a questionnaire. Students will have the support and guidance of a tutor.

300682.2 Occupational and Environmental Hygiene

Credit Points 10 **Level** 7

Assumed Knowledge

Basic understanding of chemistry, physics, biology, workplace hazards OHS law.

Equivalent Units

300394 - Occupational Environment: Assessment and Control, EH845A - Hazardous Chemical Assessment, EH840A - Ergonomics

Special Requirements

Field visits may limit the numbers in any particular activity for OHS reasons. Students will need appropriate PPE such as safety shoes, laboratory coats and safety glasses.

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The unit will expose students to the various methods used in measuring exposures to chemical pollutants, biological pollutants, ergonomics, noise, heat & cold and lighting in both the workplace and general indoor environment. In addition to assessing the exposures student will explore the various methods available of controlling the different types of exposures. The unit will involve measuring various types of potential hazards and comparing the results to current standards before recommending methods of controlling the hazard/s.

300391.2 Occupational Health Management

Credit Points 10 **Level** 7

Equivalent Units

EH831A - Occupational Health Management

Special Requirements

Students must be enrolled in 3602 - Master of Environmental Management, 3605 - Master of Occupational Safety, Health and Environmental Management, 3606 - Graduate Diploma in Occupational Safety, Health and Environmental Management, 3607 - Graduate Certificate in Occupational Safety, Health and Environmental Management, 3647 - Master of Science, 3648 - Graduate Diploma in Science (exit only), 3649 - Graduate Certificate in Science, 4651 - Master of Health Science, 4652 - Graduate Diploma in Health Science or 4653 - Graduate Certificate in Health Science

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This unit focuses on the practice of occupational health within national and international frameworks. It explores issues such as the physical, social and mental impact of the occupational environment on health and includes the human body's response to occupational health hazard exposure through toxicological and epidemiological principles. Strategies for the management of occupational health are examined, together with methods of monitoring and evaluating occupational health programs.

401081.1 Organisational Governance and Performance Management

Credit Points 10 **Level** 7

Special Requirements

Students must be enrolled in a postgraduate course

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This unit will provide an understanding of the key elements of the National Health Reform in Australia. There will be a strong focus on the management of delivering public hospital services under the evolving reform. The unit will cover the establishment of service level agreements, outlining the purchaser – provider model and exploring its impacts and deliverables. The unit will also explore how performance should be monitored and reported. Finally, it will examine the clinical and business governance models that facilitate implementation of such major reforms. Links between quality and performance will also be explored.

400238.3 Policy, Power and Politics in Health Care Provision

Credit Points 10 **Level** 7

Equivalent Units

HC815A - Policy, Power and Politics in Health Care Provision

Special Requirements

Students must be enrolled in a postgraduate course. Students enrolled in course 4673 must have passed the following three units before they can enrol in this unit - 400220 Contemporary Professional Practice in Mental Health Nursing and 400206 Evidence-based Nursing and 400235 Leadership in Clinical Practice.

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This unit enables students to gain an understanding of the political and social constructions that underpin health care services such as social determinants of health. It also provides students with the opportunity to explore and critically analyse issues related to the development, implementation and outcomes of health and aged care policies.

400850.2 Professional Topic

Credit Points 10 **Level** 7

Special Requirements

Director of Academic Program/Course Advisor permission is needed for students to be accepted into this unit as it is resource intensive of staff time. Only academically capable students aiming to enrol in a research higher degree after graduating from the Master of Health Science will be accepted.

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This unit is designed to allow high achieving students who have an interest in potentially undertaking higher degree research after graduation the opportunity to comprehensively explore a relevant topic of interest to them.

400416.2 Public Health, Policy and Society

Credit Points 10 **Level** 7

Equivalent Units

E7229 - Health Management: Policy and Society, E7305 - Health Management Policy and Society

Special Requirements

Students must be enrolled in a postgraduate course.

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This unit examines the nature of public health and develops a systemic understanding of various public health policy frameworks and issues. The unit provides the context and history for understanding public health approaches, explores the cultural and social dimensions of health and illness and the economic and political environment in which health policies and strategies are developed and implemented. The unit advocates a view of health that includes an implicit recognition of the physical, social and economic environment, affirms the importance of social

justice and equity in health care, and emphasises the importance of inter-sectoral collaboration.

401078.1 Research Project

Credit Points 20 **Level** 7

Assumed Knowledge

It is assumed that the student would have completed core (or foundational) units associated with their Masters program, ideally in relevant research design and practice related disciplines. It is also assumed that students would meet a minimum GPA of 5 before being able to enrol in this unit.

Corequisite

401076.1 Introduction to Epidemiology AND **401077.1** Introduction to Biostatistics

Special Requirements

Students must be enrolled in a post-graduate course and have a GPA of 5 or greater. If students are enrolled in the Master of Public Health or Master of Health Science, students must have enrolled in, or completed, 401076 - Introduction to Epidemiology and 401077 - Introduction to Biostatistics. Students must also have an approved Research Project Proposal before enrolling. Students must submit a proposal no longer than 3 pages comprising the following: 1. Proposed title 2. Background and rationale 3. Research objectives 4. Research plan (including study design, data sources, and analytic strategy) 5. Expected outcomes and benefits 6. Ethical implications 7. Budget and how research costs are to be met (if required) 8. Timeline 9. SSH Supervisor endorsement. Approval of the Research Project Proposal must be provided by the relevant Director of Academic Programs to ensure that the project meets the expected scale and scope of a 20 credit point Research Project.

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This unit requires students to complete a substantial piece of independent research, including research planning, study design, data collection and analysis, and interpretation. Research projects are developed in consultation with staff who possess similar research interests and relevant research experience. Results and conclusions are expected to be of a publishable standard, and students may wish to submit their work for examination in a form suitable for publication in the peer-reviewed literature (with supplementary material as appropriate).

401080.1 Research Protocol Design and Practice

Credit Points 10 **Level** 7

Corequisite

401076.1 Introduction to Epidemiology AND **401077.1** Introduction to Biostatistics AND **401129.1** Evidence Based Practice in Chinese Medicine

Equivalent Units

300398 - Methods of Researching

Special Requirements

Students must be enrolled in a post-graduate course. Students must complete any two of the following co-requisite units: 401076 - Introduction to Epidemiology,

401077 - Introduction to Biostatistics, 401129 - Evidence-Based Practice in Chinese Medicine. Students must have use of a personal computer for access to web-based resources and for preparing assignments.

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In this unit postgraduate students develop a proposal for a research study in an area of interest, drawing upon their knowledge and experiences from other units in their program of study. Students learn how to apply research methods to a variety of research situations and questions; to understand how research questions are developed and answered empirically through suitable choice of research methodology, design and method; and how research findings are validated and communicated. The unit is taught through self-paced, self-directed learning. Class contact is three days of workshops, in the first and second half of the session.

401154.1 Research Skills in Science

Credit Points 20 **Level** 7

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This unit builds on undergraduate level science to develop a strong appreciation of postgraduate research skills. It will develop knowledge and understanding of techniques and skills applicable to postgraduate scientific study and research methodologies and critical awareness of literature. It will support you in understanding and evaluating current research. You will use technology to develop your information literacy skills, to communicate and to collaborate with others. You will also learn to act autonomously in planning and implementing work at a professional level. You will recognise how skills are continually developed through experience and can be transferred to other situations.

300677.2 Safety and Risk Management

Credit Points 10 **Level** 7

Assumed Knowledge

Recognition that OHS procedures are legislatively required at the workplace and the ability to recognise the need to protect workers from harm at the workplace. Knowledge of the basics of OHS legislation in the students' jurisdiction.

Equivalent Units

300390 - Safety Management. 300395 - Risk Assessment

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This unit provides a critical insight into the theory and practice of managing safety and health at the workplace with a dual focus on risk management and safety management. Students have the opportunity to develop a safety systems approach concentrating on hazard identification, risk assessment and devising control measures incorporating safety management principles. Safety culture and its influence on OHS practice is also detailed. In addition, the unit addresses the legal underpinning of OHS requirements at the workplace. Labour market change and the role of government, unions and employer organisations are also examined. Global perspectives on OHS from various jurisdictions ranging from the USA, Hong Kong and China are also scrutinised.

300742.2 Science and Health Research Project PG

Credit Points 20 **Level** 7

Corequisite

300398.2 Methods of Researching OR **300411.3** Research Methodology and Experimental Design

Equivalent Units

EH850A - Masters research project, HT801A - Research Project 811, HT805A - Research Project 821, HT807A - Research Project 831, HT807B - Research Project - Science, HT808A - Research Project 841, 300687 - Science Research Project PG

Special Requirements

Enrolment in this unit by non-Master of Science or Master of Health Science students requires permission from the Director, Academic Program.

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This unit develops critical and analytical skills by undertaking and completing a research project in an area of relevance. The project is carried out on an individual basis. Research projects are offered in consultation with staff who possess research interests and experience in relevant areas.

401151.1 Science Communication A

Credit Points 20 **Level** 7

Special Requirements

Students must be enrolled in the online courses Master of Science or any other postgraduate UWS program where this unit can be taken an unspecified elective and where there are sufficient credit points available in the study program. Students are required to have access to the internet and appropriate hardware and software for online study.

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Students with an interest in how and why science is communicated will benefit from this introductory interdisciplinary science unit. Using case studies and articles, students will consider how science is communicated in different settings and genres, through a range of oral, print and digital media, and what frameworks and methods have been proposed for studying these communications. The unit will explore how scientists communicate with each other and look at the role of public engagement activities, scientific papers, the media and digital communication forms in representing the sciences.

401152.1 Science Communication B

Credit Points 20 **Level** 7

Prerequisite

401151.1 Science Communication A

Special Requirements

Students must be enrolled in the online courses Master of Science or any other postgraduate UWS program where this unit can be taken an unspecified elective and where there are sufficient credit points available in the study

program. Students are required to have access to the internet and appropriate hardware and software for online study.

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This second unit in Science Communication continues to use case studies and articles to consider how science is communicated in different settings and genres, through a range of oral, print and digital media, and what frameworks and methods have been proposed for studying these communications. Students will explore how scientists communicate with each other and look at the role of public engagement activities, science museums, popular science books, science theatre, television documentaries and newspapers in representing the sciences. The critical literature review -part of the final assessment - is excellent preparation for on-going postgraduate study in the sciences.

401158.1 Strategic Management in the Sciences A

Credit Points 20 **Level** 7

Special Requirements

Students must be enrolled in the online courses Master of Science or any other postgraduate UWS program where this unit can be taken as an unspecified elective and where there are sufficient credit points available in the study program. Students are required to have access to the internet and appropriate hardware and software for online study.

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This preparatory online unit introduces students to the strategic, business and operational aspects of the life science industry. The unit equips students to understand the challenges and conventional wisdom within this industry with a particular focus on research and innovation. Students will learn techniques to develop coherent and credible alternative future scenarios including an understanding of strategic option development, and strategic resource allocation. Students will also acquire research, analytical and critical judgement skills enabling them to deal with important issues such as finance, uncertainty and risk.

401159.1 Strategic Management in the Sciences B

Credit Points 20 **Level** 7

Corequisite

401158.1 Strategic Management in the Sciences A

Special Requirements

Students must be enrolled in the online courses Master of Science or any other postgraduate UWS program where this unit can be taken an unspecified elective and where there are sufficient credit points available in the study program. Students are required to have access to the internet and appropriate hardware and software for online study.

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This online unit builds upon the learning outcomes of Strategic Management in the Sciences A and continues to explore the strategic, business and operational aspects of

the life science industry. The unit focuses on the challenges and conventional wisdom within this industry with a particular emphasis on research and innovation. Students will learn advanced techniques to develop coherent and credible alternative future scenarios including an understanding of portfolio management and healthcare policy and regulation. Students will continue to acquire research, analytical and critical judgement skills enabling them to deal with important issues such as finance, complexity and risk.

400847.3 Surveillance and Disaster Planning

Credit Points 10 **Level** 7

Assumed Knowledge

Prior qualification in above field. Health or mental health professionals, nurses, social workers, psychologists, medical practitioners.

Special Requirements

Students must be enrolled in a postgraduate course

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This unit will address the psychosocial and mental health aspects of disaster management, the systems of disaster response and how these aspects are relevant across the all-hazard approach to Prevention, Preparation, Response and Recovery (PPRR). It will address the current evidence and understanding of this field, leadership and management across the PPRR spectrum and the public health, clinical and other coordination in terms of impact and outcome. It will deal with Australian requirements and systems as well as international and Australian roles in the region. It will utilise on-line resources, a specifically developed handbook, assignment and desktop exercises.

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