An extremely dynamic teaching, learning and research environment has been created at UOW by combining the entire breadth of the underlying science, engineering and mathematical methodologies of the Information and Communication Technology (ICT) industry into the single Faculty of Informatics.

World-renowned academic leaders covering a wide range of ICT specialisations are represented in the Faculty. Experts in areas such as Internet technology; telecommunications; wireless; multimedia; IT policy and management; software engineering; computer security; photonics and digital signal processing; digital TV; power engineering; computer engineering; pure, applied, financial and industrial mathematics; applied statistics; data mining; information systems; e-health; electronic commerce and robotics, work in close contact, creating an R&D synergy vital to propel future advances. Universities worldwide are now emulating our vision of bringing together groupings of academics from the full ICT spectrum.

The Faculty has achieved a world-class research profile. Wollongong is formally recognised as a Centre of Excellence in Telecommunications and IT in New South Wales. This is supported by millions of dollars invested in research in the Faculty by leading companies such as Telstra, Integral Energy, BlueScope Steel, Motorola and Sun Microsystems. The Faculty has strong industrial links with major companies and organisations such as Nortel Networks, Mitsubishi, ANSTO, Apple Computers, Agere, Panasonic, ABC, SBS, DSTO, Hawker de Havilland, the ABS and CSIRO. UOW is one of the largest sites of Information Technology research in the Southern Hemisphere.

Courses are designed to keep pace with rapid technological change, while the curriculum is tailor-made to suit industry and employer needs. Our leadership has been recognised by the Australian Government through our success in establishing government-funded Collaborative Research Centres (CRC) in Smart Internet Technology and in Desert Knowledge, in partnership with other Australian universities and industry. This success adds to our existing research centres set up in collaboration with industry, such as the Integral Energy Power Quality and Reliability Centre. The Faculty is also in the process of establishing a national centre for Digital TV Test and Conformance. The Faculty has many strong and well-established links with a range of world-renowned universities for the purpose of research collaboration.

ICT is an exciting and rapidly developing science. Our existing degrees are constantly reviewed and new courses are introduced in line with marketplace needs and the rapid advances in the sector, especially in relation to the Internet and the globalisation of telecommunications. In this way, we ensure we remain ahead of the field.

For more information on the Faculty visit
www.informatics.uow.edu.au

For information on courses available please visit
http://coursefinder.uow.edu.au/coursefinder
**RESEARCH CENTRES AND INSTITUTES**

**TELECOMMUNICATIONS & INFORMATION TECHNOLOGY RESEARCH INSTITUTE**

[TITR](www.titr.uow.edu.au)

TITR is one of the largest university-based information and communications technology research centres in the Southern Hemisphere. The work of researchers in TITR has been instrumental in establishing the University's international reputation in ICT research, and the NSW Government declaring Wollongong a Centre of Excellence in this field.

The Institute's two primary objectives are to carry out leading edge research and development into technologies and applications of future multimedia information communication and services; and to use its expertise and reputation to help establish the Illawarra Region as the ICT hub of New South Wales. The Institute is a leading research partner in two major Cooperative Research Centres -- the CRC for Smart Internet Technology, which develops and commercialises key technologies for next generation Internet; and the CRC for Desert Knowledge, which aims to develop advanced networks and information communication services to support thriving economies in Australia's desert regions.

TITR has strong research collaborations with major national and international universities, research institutes and companies in the area of information and communication technologies. TITR fosters interdisciplinary research and spans the two Faculties of Informatics and Education. It also has close collaboration with UOW's Digital Media Centre. The Institute includes over 50 academic staff and more than 60 postgraduate students (mostly at PhD level), and is made up of the following research centres:

- **Centre for Audio, Signal Processing & Multimedia Delivery**
  Research activities cover multimedia signal processing research and applications; including speech signal processing; speech and audio coding; 3D sound scenes; computational auditory scene analysis; blind source separation; universal multimedia access; and many relevant areas.

- **Centre for Emerging Networks & Applications**
  Research activities include: next generation network and server infrastructure, including Smart Networks; application-aware ad hoc and sensor networks; Content Distribution Networks and server overlays; large-scale distributed real-time applications such as networked virtual environments and multiplayer games; realtime content creation, personalisation and distribution; topology and performance optimisation for complex distributed applications; and network modelling and characterisation.

- **Centre for Information Security**
  Research activities include combined encryption and source coding; image authentication; digital watermarking; traitor tracing and digital rights management; as well as design and analysis of secure systems with emphasis on network and communication security. Current projects include multicast key management systems for dynamic groups; wireless security (WAP, WLAN, Bluetooth and mobile security); security in programmable virtual networks (PVN); distributed firewalls; next generation intrusion detection systems; and secure peer-to-peer communication.

- **Research Centre for Interactive Learning Environments**
  Research focuses on the variety of ways different learning environments can be supported using innovative learning strategies and software tools. RILE researchers have internationally recognised expertise in the design of interactive multimedia learning resources with embedded cognitive tools and in the development of online learning environments to support a range of educational settings. RILE researchers work closely with the professional staff of the Educational Media Laboratory.

- **Photonics & Electronic Signal Processing Group**
  Research activities focus on the application of advanced signal processing techniques to optical, electronic or opto-electronic systems for various applications. In particular, advanced technologies in fringe pattern-based 3-D dynamic profilometry measurement; optical feedback interferometry-based instrumentation and measurement; Fibre Bragg Grating (FGB) manufacture and its applications; as well as blind source separation (BSS) and its applications.

- **Centre for Visual Information Processing & Content Management**
  Research activities include image and video segmentation; image classification; video surveillance; scene analysis; digital camera image processing; stereo image and processing; image and video watermarking and authentication; image annotation; indexing and retrieval; video summarisation and adaptation.

- **Wireless Research Group**
  This group focuses on the optimisation of bandwidth use that can be achieved at different layers of digital communication systems. Research activities include space-time signal processing; mobile ad hoc networks; sequence design for DS-CDMA and time hopping applications; smart antennas for broadband wireless access systems; channel modelling; error-control coding; and Ultra Wide-Band communications. The group is associated with the Australian Research Council Research Network.

- **Wireless Technologies Laboratory**
  Established in early 2004 by seven researchers from Motorola Labs in Sydney, the Laboratory specialises in the research and development of high speed wireless communications technologies. Current projects are in the areas of UltraWideband and 4G Communications, Wireless Mesh Networking and Wireless Sensor Networks with applications in home networking, public safety and military environments. The Laboratory has close industry links in the USA and Australia and active collaboration with the Chinese Academy of Sciences and the Shanghai Jiao Tong University.

- **Visual Signal & Information Processing Research Group**
  Research activities include image and video processing; machine learning and pattern recognition; smart vision sensors; intelligent information processing; biometrics; and data mining.
DIGITAL MEDIA CENTRE
www.digitalmedia.uow.edu.au

This Centre brings together the essential components of digital media research and development in a cohesive and integrated fashion, drawing upon recognised multi-disciplinary expertise. Members are internationally recognised leaders in educational technology, creative arts and information technology and telecommunications.

INSTITUTE OF MATHEMATICS & APPLIED STATISTICS

IMAS research covers a range of fields involving mathematical, statistical, financial and computational analysis. IMAS members have an outstanding record of ARC grant success, PhD completions and publication in international journals. IMAS currently has about 20 PhD and Masters by research students and has an excellent record of PhD completion. Our graduates are highly sought after and have undertaken careers in diverse areas including academia, business, industry and government. IMAS consists of four main programs:

Centre for Engineering & Applied Mathematics

CEAM research covers a very broad range of the mathematical sciences and is directed towards applied non-linear dynamical systems; bioreactor engineering; chemical reaction engineering; combustion theory; computational environmental fluid dynamics; computational mathematics; elasticity and fracture mechanics; granular materials; lie group analysis of non-linear differential equations; microwave heating; nanotechnology; non-linear continuum mechanics including large elastic deformations of rubber-like materials; non-linear waves; oceanography; rail development.

Centre for Pure Mathematics

The Mathematical Analysis Research group conducts world-class research into harmonic analysis and wavelets; group theory; topology and chaos; logic and partial differential equations; topological groups; measure theory; functional analysis; and combinatorial designs.

Centre for Statistical & Survey Methodology

CSSM undertakes industry-focused research, contract research and major consulting projects involving statistical or survey methodology; either directly with external clients or in support of other research and academic units within the University. It has also developed training courses in statistical methodology. Areas of research activity include: epidemiology; experimental design; goodness of fit; image analysis; multivariate analysis; neural networks; nonparametrics; quasi-likelihood; sample survey design, analysis and methodology; spatial statistics; statistical decision theory; statistical quality control; and time series analysis.

Centre of Mathematical Finance

Mathematical Finance is an emerging cross-disciplinary and cross-faculty area of great importance. The past two decades have seen a revolutionary period in the trading of financial derivative securities in financial markets and a phenomenal surge in research activities in derivative pricing theory. Leading edge banking and financial firms are hiring mathematics experts who can advance analytical and numerical techniques to price financial derivatives and manage portfolio risks. Such developments have spurred the growth of new degree programs in mathematical and computational finance such as our Master of Financial Mathematics. Financial mathematics combines several of the strengths of the School: mathematical analysis, applied statistics and industrial mathematics; and the skills of the finance staff from the School of Accounting and Finance.

OTHER CENTRES

HEALTH INFORMATICS RESEARCH CENTRE
www.informatics.uow.edu.au/research/centres

INTELLIGENT SYSTEMS RESEARCH
www.informatics.uow.edu.au/research/centres

CRC FOR SMART INTERNET TECHNOLOGY
www.smartinternet.com.au

DESERT KNOWLEDGE CRC
www.desertknowledge.com.au

“Having completed my undergraduate degree in Telecommunications Engineering in 2003, I was faced with the difficult decision of whether to enter the workplace or continue my education as a postgraduate. Now twelve months into my PhD in the same area, I am very glad I chose to stay at UOW. I finally have the opportunity to explore in detail the areas that interested me as an undergraduate. With the full support of a great supervisor, I now see my PhD as an essential step in achieving my goal of pursuing a research-oriented career.”

MS EVA CHENG
PHD – TELECOMMUNICATIONS ENGINEERING
RESEARCH DEGREES

DOCTOR OF PHILOSOPHY

Duration > 3 years or part-time equivalent
Location > Wollongong
Delivery > Day/Evening
Starting sessions > Autumn/Spring

> Electrical, Computer & Telecommunications Engineering

Entry requirements > A four year Honours Bachelor of Engineering degree (Class II, Division 2 or higher); or a Master of Engineering Studies (at the required level); or a Master of Engineering – Research, in computer, electrical, electronic or telecommunications engineering; or equivalent. The School normally requires students to register initially for the Masters by Research program. Subject to satisfactory progress, including the presentation of a report and seminar, a student’s candidacy may be transferred to Doctor of Philosophy (PhD) after one year, without penalty.

> Information & Communication Technology

Entry requirements > A four year Honours Bachelor degree in Information and Communication Technology or Computer Science (Class II, Division 2 or higher); or a Master of Computer Science – Research; or Master of Information and Communication Technology – Research with strong performance in the thesis, or equivalent.

> Mathematics

> Statistics

Entry requirements > A four year Honours Bachelor degree in any relevant area of Mathematics or Statistics (Class II, Division 2 or higher); or a Master of Science – Research (Mathematics) or (Statistics) with a strong performance in the thesis, or equivalent.

MASTER OF ENGINEERING – RESEARCH

Duration > 1.5 years or part-time equivalent
Location > Wollongong
Delivery > Day
Starting sessions > Autumn/Spring

Entry requirements > This degree is primarily a research degree for those who have completed an Honours Bachelor degree at a standard of Class II, Division 2 or higher; or a Master of Engineering Studies degree with satisfactory completion of ECTE953 and a weighted average mark of 67.5% or higher; or equivalent, in computer, electrical, or telecommunications engineering, or in a related area. If a candidate has a good academic record, entry from a Pass Bachelor degree in computer, electrical, or telecommunications engineering, or in a related area, is possible.

The aims of this program are to provide specialised research training for those preparing for careers in academia, government and industry; and to provide practising engineers with the means to increase their knowledge and upgrade their qualifications.

MASTER OF COMPUTER SCIENCE – RESEARCH

Duration > 1.5 years or part-time equivalent
Location > Wollongong
Delivery > Day/Evening
Starting sessions > Autumn/Spring

Entry requirements > This is primarily a research degree for those who have completed an Honours Bachelor degree at a standard of Class II, Division 2 or higher; or a Master of Engineering – Research, in computer, electrical, electronic or telecommunications engineering; or equivalent. The School normally requires students to register initially for the Masters by Research program. Subject to satisfactory progress, including the presentation of a report and seminar, a student’s candidacy may be transferred to Doctor of Philosophy (PhD) after one year, without penalty.

This program is designed to equip students with superior skills in research design and methodology in preparation for leadership roles in the field of computer science.

MASTER OF INFORMATION & COMMUNICATION TECHNOLOGY – RESEARCH

Duration > 1.5 years or part-time equivalent
Location > Wollongong
Delivery > Day
Starting sessions > Autumn/Spring

Entry requirements > This is primarily a research degree for those who have completed an Honours Bachelor degree at a standard of Class II, Division 2 or higher; or a Master of Engineering – Research, in computer, electrical, electronic or telecommunications engineering; or equivalent. The School normally requires students to register initially for the Masters by Research program. Subject to satisfactory progress, including the presentation of a report and seminar, a student’s candidacy may be transferred to Doctor of Philosophy (PhD) after one year, without penalty.

This program is designed to equip advanced students’ knowledge at an advanced level in their area of interest in mathematics/statistics. The degrees will provide students with the skills required for sound practice in mathematics/statistics research in preparation for Doctoral level research.

COURSEWORK DEGREES

ELECTRICAL, COMPUTER & TELECOMMUNICATIONS ENGINEERING

MASTER OF INTERNET TECHNOLOGY

Duration > 1 year or part-time equivalent (48cp)

GRADUATE DIPLOMA IN INTERNET TECHNOLOGY

Duration > 1 year or part-time equivalent (48cp)
Location > Wollongong
Delivery > Day
Starting sessions > Autumn/Spring

Entry requirements > Entry to the Masters degree requires a three year Bachelor degree in telecommunications, computer or electrical engineering, computer science, information technology or a related field, or equivalent, completed within the last five years, with a 60% average; or a Graduate Diploma in Internet Technology. Entry to the Graduate Diploma requires a three-year tertiary qualification with a 60% average, which must include the equivalent of first-year mathematics and relevant computing content. Applicants who have at least two years of Internet/computing related work experience may also be considered.

These programs are designed to provide students with advanced knowledge and specialist skills in a broad range of Internet technologies and systems. The MIT is designed to enable a wide range of entry, and is suitable for candidates who wish to update their existing qualifications, gain a qualification to complement their significant experience in related fields, or obtain a fundamental understanding of IT and how it affects their area of expertise. The Graduate Diploma provides a pathway to the Masters program.


MASTER OF ENGINEERING STUDIES

Duration > 1 year or part-time equivalent (48cp)
Location > Wollongong
Delivery > Day
Starting sessions > Autumn/Spring

Entry requirements > A four year Bachelor of Engineering in computer, electrical, electronics, or telecommunications engineering, or equivalent.

The objective of this program is to provide graduates with engineering skills at a level between the Bachelor and Masters by Research degree levels. Students normally complete advanced laboratory work plus an additional seven elective subjects within one of the following programs:

> Automation and Power Engineering
> Computer and Telecommunications Engineering

Students with an interest in mechatronics are invited to take specialised subjects from the Automation and Power Engineering program.
MASTER OF ENGINEERING PRACTICE (MECHATRONICS)

Duration > 1 year or part-time equivalent (48cp)

This course is jointly offered by the Faculties of Informatics and Engineering. Course information is available on page 28.

INFORMATION TECHNOLOGY & COMPUTER SCIENCE

MASTER OF COMPUTER STUDIES

Duration > 1.5–2 years or part-time equivalent (72cp)
Location > Wollongong
Delivery > Day
Starting session/s > Autumn/Spring
Entry requirements > A three year Australian Bachelor degree in any discipline, with at least 60% average, or equivalent.

This course has been specifically designed to allow students with a Bachelor degree outside the computing field to gain a Masters level qualification in the area.

Students complete seven 6cp core subjects: MCS9102 Systems; MCS9103 Algorithms & Problem Solving; MCS9114 Procedural Programming; MCS9203 Algorithms & Data Structures; MCS9204 C Family & Unix; and MCS9212 Interacting Systems. Five 6cp electives are chosen from subjects in database systems, developmental methods and tools; distributed systems; IT and citizens’ rights; java programming; advanced databases; artificial intelligence; database design and implementation; real-time programming; security issues; and systems administration.

MASTER OF COMPUTER SCIENCE (ADVANCED)

Duration > 1.5–2 years or part-time equivalent (72cp)

MASTER OF COMPUTER SCIENCE

Duration > 1 year or part-time equivalent (48cp)
Location > Wollongong
Delivery > Day
Starting session/s > Autumn/Spring
Entry requirements > A recognised Bachelor degree in Computer Science; Software Engineering, Electrical, Computer or Telecommunications Engineering with an average mark of 60%. Applicants must be proficient in an object-oriented programming language (eg, C++ or Java) and operating systems (eg, UNIX or Linux).

These programs are designed to provide advanced studies in computer science at the professional level, and to prepare students for the Master of Computer Science – Research, or Doctoral research programs. The Master of Computer Science is accredited by the Australian Computer Society as meeting the requirements for membership at Professional level.

Students complete five 6cp subjects (nine subjects in the Advanced program) from the Computer Science and IACT Graduate Subjects lists. Students may complete a major in Digital Multimedia Programming, Software Engineering, or Computer & Network Security by completing the appropriate combination of subjects. The Advanced program allows for the completion of a double major.

MASTER OF ELECTRONIC COMMERCE

Duration > 1 year or part-time equivalent (48cp)
Location > Wollongong
Delivery > Day/Evening
Starting sessions > Autumn/Spring
Entry requirements > A three year Australian Bachelor degree with a 60% average, or equivalent, in computer science, information technology, information systems, computer or telecommunications engineering, commerce, management or a related discipline.

This degree is designed to prepare managers for the eCommerce world. The recent surge in the use of the Internet to conduct all forms of business has left many graduates without the required skills to maximise their effectiveness in the new business economy. Employees skilled in electronic commerce concepts and practices will be well placed to operate more effectively and take advantage of the opportunities of doing business in the eWorld.

MASTER OF INFORMATION TECHNOLOGY MANAGEMENT

Duration > 1 year or part-time equivalent (48cp)
Location > Wollongong
Delivery > Day/Evening
Starting sessions > Autumn/Spring
Entry requirements > A three year Australian Bachelor degree with a 60% average, or equivalent, in an area related to ICT (eg, computer science, information technology, business information systems, computer engineering, electrical engineering, or telecommunications engineering), or a Graduate Certificate in Information and Communication Technology with a 60% average.

A degree in a non-ICT related discipline with an average of 60% may be considered if at least two years of the content of the degree is in an area related to ICT; at least one third of this content must be within the final year of study.

Applicants without a 60% average, or those with academic qualifications unrelated to ICT but with relevant ICT work experience (normally at least one year full-time) may be admitted to the Graduate Certificate.

The Masters programs are aimed primarily at graduates working in the ICT industry who will benefit from an in-depth study of the organisational, economic, regulatory and sociotechnical issues that arise in the implementation and application of IT; and of how to effectively manage these issues. The Advanced program allows for the completion of additional elective subjects, and the possibility of graduating with a double major.

Students complete ITCS900 Fundamentals of Contemporary Technologies, four 6cp subjects from the IACT Graduate Subjects, and three 6cp from the ICT postgraduate subjects available. Students may complete a major in one of these areas by completing the appropriate combination of electives: Applied eCommerce Technologies; eCommerce Management; Corporate Network Design; Information Technology Management; or Health Informatics. Advanced degree students complete an additional four IACT subjects, and may complete majors in two of the areas listed above.
The Graduate Certificate introduces ICT concepts and the skills required to effectively solve organisational, economic, regulatory and socio-technical problems that arise in the implementation and application of information technology. Students complete four 6cp subjects from the Masters program. Students who complete the Graduate Certificate with an average mark of at least 60% will be able to proceed to the Master of Information and Communication Technology, with 24cp of advanced standing (credit). The completion of the Masters degree will then require a further 24cp of subjects. More information on the Graduate Certificate is available at www.uow.edu.au/handbook/yr2007/cour1111.html.

MASTER OF INDUSTRY-BASED INFORMATION TECHNOLOGY
Duration > 1 year or part-time equivalent (48cp)
Location > Wollongong
Delivery > Day/Modular
Starting sessions > Autumn/Spring
Entry requirements > Current employment in an information and/or communication technology (ICT) related field with a a three year Bachelor degree with an average of at least 60%, or equivalent, and demonstrated IT knowledge; or qualifications showing an appropriate balance between other academic or professional qualifications, and relevant professional experience in information and/or telecommunications technology. Ideally, all candidates would have a minimum of two years professional experience in information and/or communication technology. Each application will be considered on its merit. Enrolment may be through collaborative agreements with companies.

This industry-based degree has been specifically tailored for practising IT professionals, providing a deeper understanding of the issues that arise in the implementation and application of IT. The program educates IT professionals about the organisational, economic, regulatory and socio-technical issues essential to the effective management of information technology. The degree aims to improve the skills of professionals who are using the latest software technologies by providing a combined program of academic guidance to work-based activities plus traditional academic subjects, which can be offered off-campus in the form of short courses.

Students may complete a major in Software Engineering, Electronic Commerce, Information Management, Multimedia, or Enterprise Network Planning – Design & Management by choosing an appropriate combination of electives.

MASTER OF DIGITAL MULTIMEDIA
Duration > 1 year or part-time equivalent (48cp)
Location > Wollongong
Delivery > Day
Starting sessions > Autumn/Spring
Entry requirements > A three year Bachelor degree with a major in computer science, information technology, business information systems, computer, electrical or telecommunications engineering, with at least a 60% average, or a Master of Computer Studies degree, or equivalent. Applicants must also submit a résumé and a photograph or image that they have produced with a half page essay on the topic ‘Why I took this photograph or created this image’. Hard copy of image/photo must be provided with application.

Production units that write multimedia software for media creation and presentation via the web, video editing, computer games or interactive DVDs require employees that have appropriate creative, as well as technical skills. This degree is designed to provide IT graduates with the opportunity to develop skills in both these areas through training in multimedia programming and creation, and the use of professional multimedia tools.

MASTER OF HEALTH INFORMATICS
Duration > 1 year or part-time equivalent (48cp)
Location > Wollongong
Delivery > Day
Starting sessions > Autumn/Spring
Entry requirements > A three year Bachelor degree, with an average of at least 60%, or equivalent, in information technology, computer science or an ICT-related specialisation. Applicants with a three-year degree in Health Science plus at least one year full-time (or part-time equivalent) employment in a position related to Health will be considered by the Faculty.

Health services in Australia, as in most countries, are experiencing a surge of interest and investment in e-health. This program is designed to provide IT professionals with a better understanding of the specifics of health informatics and to provide health professionals with a better understanding of IT within their industry. The program aims to equip graduates with an understanding of the health sector, and of the application of relevant systems, in order to take on key roles in successful strategy development and health systems projects.

MATHEMATICS & APPLIED STATISTICS

MASTER OF FINANCIAL MATHEMATICS
Duration > 1 year or part-time equivalent (48cp)
Location > Wollongong
Delivery > Day
Starting sessions > Autumn/Spring
Entry requirements > A three year Bachelor degree with a major in mathematics or statistics, or equivalent. Applicants with other three year degrees will be considered if they possess a substantial background in mathematics (including calculus, linear algebra, differential equations, probability and statistics) equivalent to at least a second-year Bachelor level.

The Master of Financial Mathematics provides students with a degree in areas such as mathematics, finance, economics, business, engineering or science with training in quantitative financial analysis and a range of analytical, statistical, computational and modelling skills needed for the formulation, implementation and evaluation of models in the financial sector to structure transactions, evaluate financial derivatives, manage risk and construct investment strategies.

Students complete six 6cp core subjects: FIN920 Advanced Risk & Insurance; FIN921 Managerial Finance; MATH941 Financial Calculus & Logistics; MATH942 Numerical Methods; STAT920 Stochastic Methods in Finance; and STAT921 Multiple Regression & Time Series; plus one additional statistics subject and one additional finance subject. Students also attend practitioners’ seminars.

MASTER OF MATHEMATICS
Duration > 1 year or part-time equivalent (48cp)

MASTER OF STATISTICS
Duration > 1 year or part-time equivalent (48cp)

GRADUATE DIPLOMA IN STATISTICS
Duration > 1 year or part-time equivalent (48cp)
Location > Wollongong
Delivery > Day
Starting sessions > Autumn/Spring
Entry requirements > Masters applicants require a three year Bachelor degree with a major in a relevant area of mathematics/ statistics, or equivalent. Applicants with a tertiary qualification containing a minimum of two years of mathematics/statistics may be considered.

Admission to the Graduate Diploma requires a three year Bachelor degree, which must include the equivalent of first-year mathematics. Graduates of the Graduate Diploma may be admitted to the Masters program.

The Masters programs are designed to consolidate and expand the mathematics/ statistics knowledge gained by a student in an undergraduate program; and to develop skills in undertaking mathematical/statistical work in industry, commerce, or government, and in research projects. Together with previous undergraduate study, the Master of Statistics could be expected to meet the requirements for an accredited graduate statistician with the Statistical Society of Australia.


The Graduate Diploma is intended for students with a limited background or no prior experience in statistics but who have the equivalent of first year mathematics. It provides an entry pathway to the Masters program. Students complete at least six 8cp subjects chosen from those available in the Bachelor of Mathematics and Master of Statistics course.