Which course now? | 2015
At a glance
MACQUARIE FACTS AND FIGURES

90 per cent
of our graduates under the age of 25 are employed in their first full-time job within six months of completing their study

2500
students in PACE (Professional and Community Engagement) since its inception

5 QS Stars
in teaching, employability, research, internationalisation, facilities, innovation, access and specialist subjects

35
active industry partnerships in the Faculty of Business and Economics alone

50
countries and over 150 well-regarded partner universities for exchange

Australian Hearing Hub
brings together some of the country’s best researchers and service providers to advance research, education and innovation into hearing and language disorders

10,000
degrees awarded annually

150,000
alumni in more than 140 countries

15
kilometres from the Sydney CBD

$1 billion
invested in infrastructure and facilities in recent years

the only Australian university with a licence to dig in Egypt’s Nile Valley

80
undergraduate majors

Over 38,000
students

$2 Million
awarded in scholarships each year

Macquarie University Hospital
Australia’s most technologically advanced private hospital on a university campus
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Faculty of Arts

The Faculty of Arts is the place for discovery. Our students are encouraged to work across disciplinary boundaries and explore new areas of professional development or personal passion. By choosing to study a degree in arts at Macquarie you will have access to a range of new programs, experiences and facilities designed to make you ready for the future.

Our wide range of programs combined with our focus on experiential learning and practical experience will make you ready for the workplace. You will have opportunities to explore socially complex problems, identify paths of research, analyse and communicate ideas in creative formats, and develop the skills and knowledge needed to understand the world, past and present.
The Faculty of Arts also incorporates the Macquarie Law School. As a student of law at Macquarie you will acquire a sound understanding of legal doctrine as well as insights into the role of law in society, and a highly developed awareness of social responsibility.

You can pursue your interests and tackle real-world issues through a range of electives. You will also complete a PACE (Professional and Community Engagement) unit where you interact with practitioners from top Australian law firms, community legal centres, government and non-government organisations, or a range of industries.
Bachelor of Arts

Turn your passion into a career by exploring your interests in depth and honing your skills and knowledge through internships, practical applications and expert teaching.

Description
There is no other degree at Macquarie University that offers the flexibility and wide range of disciplines as the Bachelor of Arts.

This degree gives you the opportunity to study topics that are challenging, interesting and engaging. Expert teachers and researchers provide guidance on how to best tailor your degree so you can develop the knowledge and skills needed to transform your passions into a career.

Graduates with a Bachelor of Arts are highly sought after by employers, as the degree ensures you develop strong capabilities in a range of areas such as problem solving, research skills, creative thinking and communication – skills essential for success in the 21st century workplace.

Key features
• Our flexible degree structure allows you to explore ideas across disciplines.
• You will be taught by active researchers, published academics, and award-winning industry professionals.
• You will have the opportunity to connect with careers and communities via internships, work-integrated learning opportunities and study abroad.

What you can study
• Ancient History (Egypt and Near East)
• Ancient History (Greece, Rome and Late Antiquity)
• Ancient Languages
• Anthropology
• Arts Practice and Management
• Business Information Systems
• Chinese Studies
• Chinese-English Translation and Interpreting
• Criminology
• Croatian Studies
• Cultural Studies
• Dance and Performance
• Decision Science
• Development Studies and Culture Change
• Early Childhood
• Economics
• Education
• English
• Entrepreneurship
• Environmental Law and Management
• Environmental Management
• French Studies
• Gender Studies
• Geography
• German Studies
• Human Geography
• Human Resources
• Indigenous Studies
• Interactivity and Games
• International Business
• International Communication
• International Law and Global Governance
• International Relations
• Italian Studies
• Japanese Studies
• Linguistics
• Marketing
• Mathematics
• Media, Culture and Communication
• Media, Technology and the Law
• Modern Greek Studies
• Modern History
• Music
• Philosophy
• Polish Studies
• Political Economy and Social Policy
• Politics
• Psychological Science
• Public Policy, Law and Governance
• Russian Studies
• Social Justice
• Sociology
• Software Technology
• Spanish and Latin American Studies
• Statistics
• Writing

Career options
• advocacy officer
• art collection officer
• art historian
• choreographer
• communications officer
• conservator
• consultant
• intelligence officer
• international development adviser
• interpreter
• journalist
• media adviser
• multimedia specialist
• museum education officer
• policy adviser
• public affairs consultant
• public relations officer
• publisher
• radio producer
• social researcher
• sound technician
• teacher (with further study)
• television/film production assistant
• translator
• web/game developer
• writer

Graduate destinations
Macquarie’s Bachelor of Arts graduates have forged exciting careers in many leading organisations including:
• ABC Commercial
• Al Jazeera
• Australian Federal Police
• BUPA Australia
• Channel V
• Coca-Cola South Pacific
• CoLink
• Deloitte
• Department of Attorney General and Justice
• Department of Defence
• Department of Education and Training
• Fairfax Media
• Family and Community Services
• Foxtel
• Hip Media
• Historic Houses Trust of NSW
• IBM
• KPMG
• Legal Aid
• Lend Lease
• LexisNexis
• Network Ten
• Nine Network Australia
• New South Wales Bar Association
• NSW Health
• NSW Police Force
• PacWest
• Parliament of New South Wales
• Primary schools, high schools and universities
• Saatchi & Saatchi
• Sky News
• Telstra
• Thomson Reuters
• Time Magazine
• Toshiba
• UN
• UNESCO
• United Nations
• Virgin Australia
• Westpac
• Woolworths
• World Bank
Recommended prior knowledge
First-year arts units do not require any assumed knowledge, prerequisites or recommended studies. For more information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Double degrees
This degree can be undertaken with the following:

- Bachelor of Business Administration which equips you with business skills as well as critical thinking and communications skills
- Bachelor of Commerce which allows you to combine your interests in commerce and arts, and gain a commercial understanding of business with complementary arts knowledge
- Bachelor of Education (Primary) which allows you to choose from a number of arts majors while becoming equipped to teach primary school students
- Bachelor of Education (Secondary) which allows you to choose from a number of arts majors while becoming equipped to teach high school students
- Bachelor of Engineering which equips you with highly developed communications, critical analysis and creative problem-solving skills while preparing you to work as an engineer
- Bachelor of Laws which allows you to combine the problem-solving and research skills from a law degree with the creative and communications skills of arts
- Bachelor of Science which allows you to combine your interest in science with the creative and communications skills of arts
At Macquarie our programs are designed to keep you up-to-date with new and emerging media and industry practices while ensuring you have a strong understanding of traditional mass communication. Home to Australia’s first media department, you will learn from award-winning academics and experts and have access to industry-standard facilities – the best of any university in the country. Our multi-million dollar media hub includes professional screen, radio and dance studios, state-of-the-art digital workstations for all production areas, a specially equipped screening theatre, and the latest in digital production and editing tools. So immerse yourself in writing, dance, music, screen production, management, marketing, cultural studies, communication, and interactive technology and games and set yourself up for a career in the new media landscape.

3 REASONS TO CHOOSE MEDIA, CREATIVE ARTS AND COMMUNICATIONS AT MACQUARIE

1. You will learn the skills required to respond to a rapidly evolving media environment
2. We have strong media-industry ties and a growing internship program
3. You will gain vocational skills through accessing our industry-standard technology
Bachelor of Arts – Media

You will learn the skills required to respond to a rapidly evolving media environment from award-winning academics and practitioners.

Description
This degree allows you to study contemporary critical approaches to media theory with practical production techniques. Access to professional-quality studios for screen production, drama, dance, music recording and radio production, and five fully equipped computer labs provide the creative and personal space to develop quality projects.

In addition to core units, you can focus on two or more media forms. Write, shoot and produce films, compose feature stories for print and online publications, design interactive media environments, manage a public relations campaign, or make and broadcast a radio show.

Key features
- Our flexible degree structure allows you to explore a range of units from across the University, combining your other interests with media theory and practice.
- The Department of Media, Music, Communication and Cultural Studies is run from a custom-designed building with professional studio spaces, industry-standard digital workstations for all production areas, a specially equipped theatre for screenings, and digital production tools.
- Teaching staff are widely published academics and award-winning media producers with industry experience in their area of expertise.
- Strong industry ties and a growing internship program enable you to spend a session in a relevant work placement.

What you can study
- documentary theory and technique
- music and sound
- professional writing
- radio production
- screen production
- video games
- web design

Career options
- advertising executive
- arts administrator
- broadcaster
- corporate communications specialist
- educator
- film and television producer
- journalist
- media and music producer
- public relations specialist

Recommended prior knowledge
First-year media studies units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Double degree
This degree can be undertaken with the following:
- Bachelor of Laws giving you an understanding of the fundamentals of law, contemporary media theory and production techniques to work across industries
Bachelor of Marketing and Media

Our unique blend of marketing strategy, brand management and digital production will set you apart in the job market.

Description
This degree teaches you the theory behind modern marketing principles and develops a thorough understanding of both traditional and emerging media. It also gives you the practical skills in media-related technologies that can be applied in a marketing context.

Key features
- You will be taught by widely published academics, professional marketers and award-winning media producers – all with industry experience.
- You will use high-quality media facilities with professional studio spaces, industry-standard digital workstations for all production areas, a specially equipped theatre for screenings, and digital production tools.
- Competitive and selective intake into this degree ensures that graduates are of the highest calibre to meet the demands of future employers.
- This degree emphasises a balance between theoretical understanding and practical application in both professional marketing and media spheres.

What you can study
- Australian media
- brand management
- business and creative arts management
- digital marketing
- integrated marketing communications
- marketing fundamentals
- marketing research
- media cultures
- professional writing
- public relations
- radio, screen and digital-media production
- social marketing
- corporate communications producer
- creative director
- journalist
- market researcher
- marketing communications specialist
- marketing consultant
- marketing executive
- media buyer
- media producer
- media and public relations specialist
- marketing consultant
- media buyer
- media producer
- media and public relations specialist
- advertising account executive
- art director
- brand manager
- broadcasting production manager
- copywriter

Career options
- advertising account executive
- art director
- brand manager
- broadcasting production manager
- copywriter

Recommended prior knowledge
First-year marketing and media units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au
Security and intelligence

The security environment, both nationally and internationally, has been transformed over the past decade, leading to demand for highly skilled graduates in this field around the world. Our Criminology major and the new Bachelor of Security Studies will give you the tools and knowledge for a career in the changing policing, intelligence and security sector. Taught by senior academics and leading industry professionals, our innovative programs will also give you opportunities to build professional contacts with experts working both in Australia and internationally.

3 REASONS TO CHOOSE SECURITY AND INTELLIGENCE AT MACQUARIE

1. You’ll learn from international experts with years of practical experience in their field
2. Our unique programs are tailored to meet the needs of industry and students alike
3. Our innovative approaches to learning blend e-learning and traditional methods to give you study flexibility
Bachelor of Security Studies

This degree presents a contemporary approach to security studies, encompassing risk management strategies, emergency response, national resilience, law enforcement and the use of military force.

Description
The 21st century has seen the emergence of new security challenges in Australia, the Asia-Pacific and around the world, which have led to a shift in the traditional approaches to national and international security. This degree will prepare you to meet the needs of a rapidly changing sector. You will examine security from a range of perspectives, including international security challenges such as military power, interstate war and terrorism, and national and non-traditional security challenges, including domestic law enforcement, national security policy, emergency and disaster resilience, human security and whole-of-government coordination. The broad scope of this degree reflects the Australian government’s expanded definition of national security and targets industry needs for graduate skills and capabilities.

The degree combines expertise from Macquarie’s Department of Policing, Intelligence and Counter Terrorism (PICT) with units from politics, international relations, anthropology and law to examine contemporary security issues from a range of perspectives across society.

Key features
- Risk-management and critical approaches are used to examine contemporary security challenges.
- This degree combines theory, policy and practice in national and international security.
- You will have opportunities to build professional relationships with experts working both in Australia and internationally.

What you can study
- all-hazards approaches to national security
- contemporary national and international security challenges
- criminology, policing and crime
- crisis response and emergency management
- cyber security
- global politics
- intelligence and law enforcement
- law, human rights and global governance
- modern warfare
- national security policy and strategy
- peace and conflict
- political violence
- risk management
- security in the Indo-Pacific region
- security theory and securitisation

Career options
- intelligence analyst
- military officer
- operations officer
- policy adviser
- policy analyst
- policy officer
- project officer
- security analyst
- security consultant

Recommended prior knowledge
First-year security studies units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au
Society, history and languages

Expand your horizons and see the bigger picture with our world-class degrees in society, history and languages. Our ancient history programs are world-renowned, and we are the only university in Australia with a licence to dig in Egypt’s Nile Valley and to offer a full study of Egyptology. We have one of the top 100 language departments in the world – offering the widest range of European languages in New South Wales and comprehensive options in Asian languages – giving you the skills to broaden your career opportunities from interpreting to international trade. So, whether it’s politics, history (modern or ancient), philosophy, sociology, English, international studies, anthropology, Indigenous studies or languages, your studies will take you into a world far beyond academia.

3 REASONS TO CHOOSE SOCIETY, HISTORY AND LANGUAGES AT MACQUARIE

1. Our international studies program prepares you to work for international organisations such as the UN, UNESCO and the World Health Organisation
2. Our ancient history program is world leading and the longest running of its kind in Australia
3. Our archaeology program offers local and international internships to enhance your employment prospects
Bachelor of Ancient History

Macquarie’s ancient history program is world leading and the longest running of its kind in Australia.

Description
Broader in scope than any similar university program, this degree incorporates Egyptology, ancient Near Eastern, and early Christian and Jewish studies, as well as the Graeco-Roman world. It also includes unique opportunities to study artefacts and undertake field experience on campus and at overseas archaeological sites.

It provides a detailed and specialised introduction to the cultures and languages of the ancient world, supported by a wealth of resources that include the on-campus Museum of Ancient Cultures, our highly experienced academics and international archaeological digs managed by the University.

You are required to take units in two ancient languages. Ancient Greek, Classical Hebrew, Coptic, Egyptian Hieroglyphs and Latin are all offered from beginner levels.

Key features
- The study of ancient artefacts (including papyri, inscriptions, ceramics and coins) is fully integrated into the degree through the resources of the Museum of Ancient Cultures.
- Opportunities for international fieldwork exist in Croatia, Egypt, Greece, Israel, Italy, Jordan and Turkey.
- The study of ancient Egypt, classical Greece and Rome, Judaism/Early Christianity, Late Roman and Early Byzantine history across the Silk Road to ancient China are all available.
- This is the only degree in Australia offering a full study of Egyptology from the Pre-Dynastic to Coptic periods.

What you can study
- ancient languages
- ancient Near Eastern history
- archaeology
- early Christianity and Judaism
- Egyptian history
- Greek history
- late antiquity and Byzantium
- Roman history
- ancient Near Eastern history
- archaeology
- early Christianity and Judaism
- Egyptian history
- Greek history
- late antiquity and Byzantium
- Roman history
- ancient Near Eastern history
- archaeology
- early Christianity and Judaism
- Egyptian history
- Greek history
- late antiquity and Byzantium
- Roman history

Career options
- archivist
- cultural heritage specialist
- diplomat
- educator
- librarian
- museum curator
- museum education officer
- researcher
- tourism and travel consultant

Recommended prior knowledge
First-year ancient history units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Enquiries
Arts Student Centre
T: (02) 9850 6783
F: (02) 9850 8240
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BAnchist
Bachelor of Archaeology

Break old ground and gain new insights into the past through the study of ancient artefacts.

Description
This multidisciplinary degree crosses the traditional arts/science divide by integrating core archaeology and ancient history units with a broad selection of science units, offered through a number of majors/minors including Biology, Chemistry, Environmental Earth Science, Geophysics and Spatial Information Science. You will embrace archaeology’s ancillary disciplines such as ancient languages, papyrology, epigraphy and numismatics.

This structure, which is flexible enough to accommodate backgrounds in the arts, the sciences, or a blend of both, helps you shape a degree tailored to your personal interests. You are encouraged to explore and undertake research across disciplinary boundaries, and consider the ways in which archaeological practises can influence other disciplines or draw upon them, thus affording you the necessary knowledge and skills required for subsequent learning and research at the postgraduate level.

Learning is enhanced by practical experience provided through a number of field and laboratory activities that complement your theoretical training, including the resources made available through Macquarie’s Museum of Ancient Cultures and the new on-campus simulated archaeological site (available in 2017).

Key features
- This degree reflects the breadth and diversity of subject areas available in the Department of Ancient History, spanning the pre- and proto-historic cultures of the Mediterranean (with an emphasis on Egypt and the Middle-East but also including the Australasian region) through the Greek, Roman, Coptic and Byzantine worlds, and further along the Silk Road to China.
- It involves mandatory participation in domestic and international archaeological excavations and surveys under the direction of Macquarie scholars or those sponsored by other institutions.
- Local or international internships provide real-world experiences and enhance graduate employment prospects.
- Classroom, fieldwork and laboratory learning develop practical skills.
- This is the only degree in Australia offering a full study of Egyptian archaeology.
- Opportunities for international fieldwork exist in Croatia, Egypt, Greece, Israel, Italy, Jordan and Turkey.

What you can study
- ancient languages
- ancient cultures (Egypt, Greece and Rome)
- ancient history
- anthropology
- archaeological sciences
- archaeological theory and practice
- artefacts analysis
- cultural heritage
- Egyptian archaeology
- geophysics
- GIS (geographic information systems)
- Mediterranean archaeology
- methods and techniques of archaeology
- Near-eastern archaeology
- museum/gallery exhibition officer
- national park ranger
- researcher
- tourism officer
- various positions in scientific fields

Career options
- archaeological field director
- archaeological field technician
- archaeological lab technician
- archaeological surveyor
- cartographer
- computer specialist in archaeology
- cultural heritage consultant
- cultural resource specialist
- educator
- librarian
- mining company consultant
- museum curator
- museum education officer
- museum technician
- museum/gallery curator
- museum/gallery exhibition officer
- national park ranger
- researcher
- tourism officer
- various positions in scientific fields

Recommended prior knowledge
Recommended: HSC Ancient History, Biology, Chemistry, Earth and Environmental Science, Geography, Physics or international equivalents. Units taken as part of this degree may require assumed knowledge, prerequisites or recommended studies. For more information visit handbook.mq.edu.au

Enquiries
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ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BArch
Bachelor of Hellenic Studies

This degree offers a unique combination of modern and ancient languages with Ancient History and contemporary Greek culture.

Description

Hellenic studies is an interdisciplinary study of Greek culture, society and language throughout history. An understanding of Greek society will give you a deeper insight into the European culture and the literary, scientific and philosophical foundations of modern society. Graduates can expect to be employed within the broad disciplines of ancient and modern world studies, with the ability to engage directly at an advanced level with original source material.

Key features

- Modern Greek studies, Byzantine studies, classical studies, ancient history, and philosophy are brought together to give you a broad understanding of the Ancient and Modern Greek culture.
- Internship and in-country study opportunities exist through our exchange and PACE (Professional and Community Engagement) partners.
- You will explore the role of the Greek language in its cultural and socio-historical setting, allowing you to develop proficiency in Modern Greek.
- You will examine the mythical Greek world, Byzantine, Alexander the Great, Modern Greece and contemporary issues.

What you can study

- Alexander the Great and the Hellenistic Age
- Ancient Greece
- Byzantine: East and West
- Greek heroes and heroines
- Hellenic studies
- Modern Greek history and culture
- Modern Greek language
- Myth in ancient world
- Media consultant
- Policy adviser
- Translator and interpreter
- Vocational or secondary teacher (with further study)
- Archaeologist
- Academic
- Communications officer
- Consultant
- Travel agent

Career options

- Archaeologist
- Academic
- Communications officer
- Consultant
- Media consultant
- Policy adviser
- Translator and interpreter
- Vocational or secondary teacher (with further study)

Recommended prior knowledge

First-year Hellenic studies units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Enquiries

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F: (02) 9850 8240
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BHelStud
Bachelor of International Studies

In this degree you learn about other cultures and global society, and you also have the opportunity to learn a foreign language and to study overseas.

Description
In a rapidly shrinking world the ability to understand, appreciate and assimilate into other cultures is a highly valued skill in all industries. This degree opens the door to the languages and societies of a variety of countries across Asia, the Americas and Europe. It offers an opportunity for high-quality international experiences, with in-depth experience of your target culture during a compulsory session abroad.

Key features
- In addition to spending a session at a university overseas, you will also have the opportunity to undertake a focused internship linked to the language and culture being studied, either nationally or internationally.
- An unmatched range of languages as well as an interdisciplinary approach allows you to integrate aspects of linguistics and cross-cultural communication into your study.

What you can study
- Chinese
- Croatian
- French
- German
- Italian
- Japanese
- Modern Greek
- Polish
- Russian
- Spanish
- Asian, European and Latin American societies and culture, past and present
- cross-cultural communication
- global issues
- public service and private consultant
- translator and interpreter
- travel and tourism consultant

Career options
- international business specialist
- journalist
- public service and private consultant
- translator and interpreter
- travel and tourism consultant

Recommended prior knowledge
First-year international studies units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Double degree
This degree can be undertaken with the following:
- Bachelor of Laws which allows you to combine your study of languages, and European and Asian cultures with your interest in law

Enquiries
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T: (02) 9850 6783
F: (02) 9850 8240
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BIntStud
Bachelor of Social Science

Gain insights into the science of people, places and social problems and develop skills in social research and applied social science.

Description

Macquarie is a leader in both teaching and research across the social sciences. This degree develops an understanding of how we make sense of the world and the questions we ask about it, challenging you to not just wonder why we ask these questions, but also what we can and should do with the answers we find.

There is a strong emphasis on social research design, methods, practice and application across a range of data analysis techniques and technologies. This provides you with a flexible set of vocational skills and capabilities, offering an understanding of issues in culturally diverse social environments in local and global contexts. You are prepared for a wide variety of research and policy-related careers in both the private and public sectors.

Key features

• The degree provides specific skills in applied social research and offers a wide knowledge base for understanding issues in a culturally diverse social environment.
• The focus is vocational, critical and scholarly. We consulted with employers, government, community groups, activist organisations and trade unions to develop the key graduates skills.
• Macquarie internships offer you a unique chance to gain work experience by applying the skills you acquire through study to the design and conduct of a research project during a placement at one of our partner organisations.
• You have the option to major in a wide variety of areas.

What you can study

Social science core skills include:
• evaluation, planning and policy
• internships in social research
• methods of social research (basic and advanced)

Plus a major in one of the following:
• Anthropology
• Criminology
• Development Studies and Culture Change
• Gender Studies
• Human Geography
• Indigenous Studies
• International Relations
• Philosophy
• Political Economy and Social Policy
• Politics
• Psychological Science
• Public Policy, Law and Governance
• Social Justice
• Sociolinguistics
• Sociology
• Statistics

Career options

• advocate
• change manager
• educator
• evaluator
• government or private sector consultant
• human resources officer
• journalist
• local government officer
• non-government worker
• market researcher
• policy analyst
• social researcher
• town planner
• welfare officer

Recommended prior knowledge

First-year social science units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Double degree

This degree can be undertaken with the following:
• Bachelor of Laws which allows you to study the fundamentals of the legal system and gain skills in social research and applied social science

3
YEARS FULL-TIME/EQUIVALENT PART-TIME
77.00
PREVIOUS YEAR’S ATAR CUT-OFF
300120
UAC CODE

Enquiries

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ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BSocSci
Law at Macquarie has been rated in the top 8 in Australia by QS World University Rankings. As pioneers of interdisciplinary law study in Australia, Macquarie prepares you to look beyond law as a function of rules and procedures. You will be challenged to think around problems and provide more innovative solutions – skills highly valued by employers. With the option to combine your law degree with other areas of study, you can open the way to a variety of careers including legal practice, private industry, government, education and community services.

3 REASONS TO CHOOSE LAW AT MACQUARIE

1. Our interdisciplinary approach to legal education provides you with a critical understanding of the law, its development and future directions
2. Our law degree can be taken on its own or combined with several disciplines including finance, media, IT, commerce or psychology, to give you more varied career choices
3. Our graduates are employed in leading legal firms as well as in government, advocacy, public interest organisations, foreign service and corporate settings
Degree options

A hallmark of Macquarie’s law degrees is a commitment to the interdisciplinary study of law, which fosters a sound understanding of legal doctrine as well as an awareness of the role of law in society and a highly developed sense of social responsibility.

Law options

Bachelor of Laws
The Bachelor of Laws is a four-year degree that allows you to focus on law and major in one of seven interdisciplinary areas: Corporate and Commercial Law; Criminology; Environmental Law and Management; International Law and Global Governance; Media, Technology and the Law; Public Policy, Law and Governance; and Social Justice.

Bachelor of Laws double degrees
Bachelor of Laws double degrees offer you a choice of studying law in conjunction with a range of degrees drawn from all four faculties, creating a rich variety of choices.
All Bachelor of Laws double degrees are offered on a full- and part-time basis and usually take five years to complete.

Bachelor of Laws (distance education)
The Bachelor of Laws is also offered by distance education on a part-time basis over a period of eight years. It is suitable for people who cannot study full-time because of employment, family or other commitments, or who live outside the Sydney metropolitan area.
Distance students are required to attend compulsory on-campus sessions of two days for each unit. These sessions are usually held in April and September. A prior degree is not necessary, but often students complete a degree, use that qualification to enter the workforce and continue studying law while working.

Juris Doctor (postgraduate law degree)
Macquarie also offers a postgraduate law degree known as the Juris Doctor. This three-year program is available to students who have completed a non-law bachelor degree. It offers full-time and part-time, on an internal and external basis.
Applications for entry to these degrees are made through the University Admissions Centre (UAC).

Entry pathways

Apply through UAC
You can apply through UAC utilising an Australian Tertiary Admission Rank (ATAR).

Apply for internal transfer into the pre-law pathway as an existing Macquarie student
If you successfully complete the first year of another degree at Macquarie you can apply for admission into the pre-law pathway under the University’s internal transfer program. The specific requirements for internal transfer are set out on the Macquarie Law School website.
You would then be permitted to enrol in the first four compulsory units of study in the Bachelor of Laws. Upon successful completion of these units, you will be eligible to transfer into either the four-year Bachelor of Laws or a law double degree.
Applications for internal transfer should be made directly through the Macquarie Law School website.

Apply for direct admission to the pre-law pathway as a first-year Macquarie student
You will require a minimum ATAR of 93 to apply to the University for admission to the pre-law pathway. You must also qualify for admission into a non-law bachelor degree.
Further information on requirements for the pre-law pathway is available on the Macquarie Law School website.
The Macquarie Law School reserves the right to vary or withdraw any of the pathways without notice.

law.mq.edu.au
Bachelor of Laws
The Bachelor of Laws can be completed on its own or as part of a double degree.

Description
Macquarie Law School delivers a high-quality educational experience that provides graduates opportunities to excel as ethical, proactive and innovative professionals.

The hallmark of Macquarie University’s law degrees is their emphasis on the interdisciplinary study of the law in its broader context. You are taught to look beyond law as a function of rules and procedures or as a technical qualification.

Macquarie graduates understand how the Australian legal system works in a globalised world. You learn about social, political, historical, cultural and economic factors that have influenced the law’s development, and how the law is likely to change in the future.

A number of interdisciplinary majors are available including:
- Corporate and Commercial Law
- Criminology
- Environmental Law and Management
- International Law and Global Governance
- Media, Technology and the Law
- Public Policy, Law and Governance
- Social Justice

With these majors, you will acquire key knowledge in important areas of professional practice.

Key features
- The interdisciplinary approach of the Macquarie law degree has earned our graduates a reputation for being well-rounded and highly capable legal minds who also have a realistic understanding of the world, its people and the issues that bind them together.
- Macquarie Law School provides a range of flexible options to complete units for the Bachelor of Laws. You can elect to commence mid-year, with repeat and summer offerings in select units, allowing you to accelerate or spread out your study across the calendar year.
- You learn from academics with practical experience as legal practitioners, who are actively engaged in research on contemporary legal issues, and who are involved in a range of professional and community outreach activities.
- You can pursue your interests in a wide range of electives where you will be challenged to tackle current real-world issues. You will also complete a specially designed PACE (Professional and Community Engagement) unit, where you interact with practitioners from top Australian law firms, community legal centres, government, non-government organisations (NGOs) and a range of industries. For more information visit pace.mq.edu.au
- You can be involved in producing Macquarie Law School’s peer-reviewed journals: Macquarie Law Journal and Macquarie Journal of International and Comparative Environmental Law.
- As one of the more than 120 student groups on campus, Macquarie University Law Society (MULS) provides opportunities for you to participate in a range of competition and mooting events, as well as to enjoy the social side of university life.
- Graduates will join distinguished alumni who include some of Australia’s leading judges, managing partners of national law firms, diplomats, Members of Parliament and academics. As an alumni of the University you will be offered ongoing support for your career development and an array of graduate services and benefits. For more information visit alumni.mq.edu.au
- The Bachelor of Laws can be a pathway into our masters degrees, which will give you the opportunity to complete bachelor and masters degrees in five years.

Research centres within Macquarie Law School

The Centre for Environmental Law
A centre of excellence focusing on international, comparative and national environmental law, marine law and oceans governance, planning and local government law, pollution law, and international trade law.

The Centre for Legal Governance
The centre provides a platform for research into legal governance and regulatory problems facing governments, businesses and communities in the new world order, and contributes to the development of ethically informed legal and social policy.
What you can study

• You will complete compulsory units designated by professional accrediting bodies as essential for admission to legal practice including contracts, criminal law, torts, constitutional and administrative law, corporate law, property law, professional ethics, equity, evidence and civil procedure. In recognition of the importance of globalisation on Australia’s legal system, international law is compulsory for all students.

• You will be able to choose electives from a broad range of law offerings, and undertake a specially designed PACE (Professional and Community Engagement) unit to round out your degree.

• Electives include cutting-edge topics within international, environmental, health, media, corporate, and information technology law, as well as units that deal with theoretical and moral reflections on legal institutions. Mooting and clinical electives provide further opportunities to develop important legal and professional skills.

• A unit on alternative dispute resolution involves role-playing mediations and negotiations, simulating scenarios you will encounter in professional life after graduation.

Career options

Many graduates pursue careers as either barristers or solicitors. However, a broad range of rewarding careers are open to law graduates. Employment can be found with a wide variety of institutions and organisations, both within the public and private sectors, including:

- community legal centres
- diplomatic service
- education
- financial institutions
- health services
- in-house counsel
- legal practice
- media organisations
- NGO advocacy bodies
- public service
- trade unions

Recommended prior knowledge

First-year law units do not require any assumed knowledge, prerequisites or recommended studies. Other units taken as part of any double degree may require assumed knowledge, prerequisites or recommended studies. For information about other units visit handbook.mq.edu.au

Accreditation

The Macquarie Bachelor of Laws is accredited by professional bodies regulating the admission of law graduates to legal practice and provides appropriate qualification for admission to practice as a lawyer throughout Australia.

In addition to completing a law program at an accredited institution, the profession requires all law graduates to complete a period of practical legal training including further study, continuing professional development units and supervised experience in a legal practice, before being admitted to practice as a barrister or solicitor. This typically takes six months to one year to complete, and involves options to study full-time, part-time and online.

To be qualified as an Australian Legal Practitioner in New South Wales, a solicitor or barrister also requires a Practising Certificate issued by the Councils of the Law Society of New South Wales or the New South Wales Bar Association. Similar bodies and systems of accreditation exist in the other states.
Bachelor of Applied Finance with Bachelor of Laws

Description
The study of applied finance focuses on money, banking, investment and credit, providing an in-depth understanding of financial organisations, markets and instruments and their effect on the flow of funds within the economy. Macquarie Law School provides you with knowledge of legal principles and the critical and analytic skills to apply those principles in a variety of scenarios. A double degree in applied finance and law maximises employment opportunities by giving you practical financial skills supported by an informed awareness of the role of law in our economy.

Key features
- The study of applied finance at Macquarie is based on three major aspects of finance: corporate finance, investments and financial markets. You will learn from highly qualified lecturers who have a practical understanding of finance industry practices or are active researchers in their field of law.
- A Macquarie law degree prepares you to take advantage of the expanding range of opportunities that a law degree brings. The law program is designed to foster a sound understanding of legal doctrine as well as an awareness of the role of law in society and a developed sense of social responsibility.
- Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
- accounting
- commercial law
- consumer law
- corporate finance
- corporate governance
- credit, market and operational risk
- derivative pricing
- environmental law
- finance theory
- information technology law
- intellectual property law
- international law
- portfolio management
- taxation law
- health services administrator
- industry/trade union adviser
- in-house, public or private practice legal practitioner (barrister or solicitor)
- journalist
- law reform consultant
- political adviser
- researcher

Career options
- banker
- community legal centre adviser
- government policy/planning adviser
- health services administrator
- industry/trade union adviser
- in-house, public or private practice legal practitioner (barrister or solicitor)
- journalist
- law reform consultant
- political adviser
- researcher

Recommended prior knowledge
First-year applied finance units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Enquiries – Applied finance
Business and Economic Student Services (BESS)
T: (02) 9850 1050
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ask.mq.edu.au

Enquiries – Law
Arts Student Centre
T: (02) 9850 6783
F: (02) 9850 8240
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BAppFinLLB

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information. The Bachelor of Applied Finance has been approved by ASIC (Australian Securities and Investments Commission – authorised assessors) as meeting ASIC training requirements.
Bachelor of Arts with Bachelor of Laws

Description
This double degree offers the opportunity to combine your interests in arts, humanities and social sciences with your study of law, giving you more varied career options. The Bachelor of Arts provides you with the greatest flexibility and access to over 50 majors to complement your law degree. Graduates of this double degree demonstrate skills and capabilities that are sought after by all employers, including creative problem-solving, critical analysis, highly developed communication skills, flexibility and exposure to diverse cultural and intellectual outlooks.

Key features
- You will benefit from Macquarie’s flexible degree structure, which allows for the exploration of ideas within and across disciplinary boundaries.
- Studying current research theoretically and practically with active researchers, you will develop advanced knowledge in a specific discipline area and skills in research, communication and critical thinking.
- You will have opportunities to connect with careers and communities via internships, work-integrated learning opportunities and study abroad.
- Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
- ancient history (Greek, Roman and Egyptian)
- ancient languages
- anthropology
- arts practice and management
- criminology
- cultural studies
- development studies and culture change
- English
- environmental law and management
- European and Asian languages
- gender studies
- Indigenous studies
- interactivity and games
- international communication
- international relations
- international law and global governance
- media, culture and communication
- media, technology and the law
- modern history
- music
- philosophy
- politics
- public policy, law and governance
- social justice
- sociology
- writing

Career options
- community developer
- diplomat
- management consultant
- educator
- in-house, public or private practice legal practitioner (barrister or solicitor)
- journalist
- marketer
- mediator
- media producer
- political adviser
- publisher
- writer

Recommended prior knowledge
First-year arts units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information.
Bachelor of Arts – Media with Bachelor of Laws

Description
In this degree you will develop an understanding of the fundamentals of law, contemporary media theory and production techniques. You will have access to professional-quality studios for screen production, drama, dance, music recording and radio production. Five fully equipped computer labs will also provide the creative and personal space to develop quality projects.

In addition to core units, you can focus on two or more media forms. Write, shoot and produce films, compose feature stories for print and online publications, design interactive media environments, manage a public relations campaign or make and broadcast a radio show.

Key features
• Our flexible approach allows you to explore a range of units from across the University, combining your other interests with media theory and practice.
• The Department of Media, Communication and Cultural Studies is run from a custom-designed building with professional studio spaces, industry-standard digital workstations for all production areas, a specially equipped theatre for screenings and digital production tools.
• You will learn from academics with practical experience as legal practitioners, widely published academics and award-winning media producers. Macquarie also has strong industry ties and a growing internship program, so you can spend a session in a relevant work placement.
• Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
• contract law
• documentary theory and technique
• information technology law
• intellectual property law
• international law
• media law
• media theory
• music and sound
• professional writing
• radio production
• screen production
• web design

Career options
• advertising executive
• arts administrator
• broadcaster
• corporate communications adviser
• educator
• film and television producer
• in-house, public or private practice legal practitioner (barrister or solicitor)
• journalist
• media producer
• music legal adviser
• public policy adviser
• researcher
• radio production
• screen production
• web design

Recommended prior knowledge
First-year media units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information.
Bachelor of Arts – Psychology with Bachelor of Laws

Description
Understanding human behaviour is critical for success in law. This double degree helps you develop the analytical skills needed to better understand the reasons underlying the actions of your clients, judges, jurors and the changes to law, all of which will help you develop a stronger and more effective argument for your legal cases.

In first year you will be exposed to a range of fundamental law and psychology concepts to build your understanding of these two disciplines. As you progress, you will be able to further your knowledge through specialised units such as personality, psychopathology, child psychology and neuropsychology.

Key features
- The psychology program is one of Macquarie’s largest undergraduate programs.
- Graduates can pursue careers where their psychology studies add value to their work as legal practitioners (barristers or solicitors), legal officers in public or private sectors, and legal academia.
- If you don’t want to work as a psychologist, this degree provides useful training in psychology for a wide range of careers requiring an understanding of human behaviour.
- Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
- biopsychology and learning
- cognitive processes
- constitutional law
- design and statistics
- developmental psychology
- environmental law
- family law
- health law and ethics
- international law
- perception
- principles of psychological assessment
- psychological science
- psychology
- social and personality psychology

Career options
- advocate
- health department researcher
- human resources consultant
- in-house, public or private practice legal practitioner (barrister or solicitor)
- media researcher
- mediator
- policy adviser
- rehabilitation assistant
- training consultant

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information. The Bachelor of Arts – Psychology is accredited by the Australian Psychology Accreditation Council and enables students to pursue further study in the profession of psychology or a higher research degree.
Description
This double degree provides an impressive joint qualification in business and law. In this degree you study critical business areas including accounting, computing, finance, human resource management, marketing, management and statistics. You also gain knowledge of legal principles and the critical and analytic skills to apply those principles in a range of business contexts, as well as an understanding of established areas of law such as constitutional law, international law, contract law and commercial law. You will also become aware of contemporary issues in areas such as consumer law, environmental law, health law and information technology law.

Key features
• This double degree is unique among business degrees due to the broad scope of the core units and the range and flexibility of our electives.
• The complementary nature of these programs enables you to understand why laws and businesses operate the way they do.
• The Macquarie law program provides you with a thorough knowledge of law, as well as an awareness of the role of law in society and a developed sense of social responsibility.
• Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
• business communications
• commercial law
• constitutional law
• contracts
• corporate governance
• financial management
• human resources
• information technology law
• intellectual property law
• international law
• marketing
• media law
• principles of management
• property in law and equity
• strategic management
• taxation law
• techniques and elements of finance

Career options
• business development consultant
• government policy/planning adviser
• human resources manager
• in-house, public or private practice legal practitioner (barrister or solicitor)
• journalist
• market research analyst
• recruitment specialist
• researcher
• social services policy adviser

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

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Enquiries – Law
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T: (02) 9850 6783
F: (02) 9850 8240
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BBALLB

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information.
Bachelor of Commerce
with Bachelor of Laws

Description
In this degree you will combine your law studies with core units in accounting, finance, management and marketing, and then complete a major to develop depth in your chosen commerce discipline. Together they will give you a thorough legal and commercial understanding of business and trade, and make you an evidence-driven, work-ready business professional.

Macquarie law provides a solid foundation in established areas of law such as constitutional law, contract law and international law. It involves an innovative approach to legal education and scholarship, highlighting how the law operates in a changing, globalised world. You gain knowledge of commercial legal principles and the critical and analytic skills to apply those principles in a variety of contexts.

Key features
• The Bachelor of Commerce allows you to pursue an interest in business and finance with a range of majors that include Accounting, Economics, International Business and Marketing.
• Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
• accounting
• administrative law
• business organisations
• commercial law
• constitutional law and administration
• contracts
• corporate governance
• information technology law
• international law
• legal governance and professional leadership
• marketing
• taxation law
• techniques and elements of finance

Career options
• arts management
• business development consultant
• business manager
• community legal centre consultant
• government policy/planning adviser
• in-house, public or private practice legal practitioner (barrister or solicitor)
• media analyst
• merchant banker
• researcher
• social services management consultant
• accounting
• administrative law
• business organisations
• commercial law
• constitutional law and administration
• contracts
• corporate governance
• information technology law
• international law
• legal governance and professional leadership
• marketing
• taxation law
• techniques and elements of finance

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information. With the correct choice of units, the Bachelor of Commerce satisfies tertiary educational requirements for entry into CPA Australia's CPA program and the ICAA’s CA program.
Bachelor of Commerce – Professional Accounting with Bachelor of Laws

Description
Accounting is the collection, measurement and communication of economic information which is used for planning, reporting and decision making. With both a legal and commercial understanding of business and trade, you will be an evidence-driven, work-ready business professional, highly eligible for employment in all areas of commerce, industry and government.

In this double degree you study techniques and elements of finance, management, microeconomics, marketing, auditing and statistics. You will also examine the role of law in society and in particular commercial, property and corporate law.

Key features
- This double degree provides you with a solid understanding of business principles, specialised accounting skills, a thorough knowledge of legal principles, and the critical and analytic skills to work within a wide range of business contexts.
- The Macquarie professional accounting program meets the tertiary accreditation requirements for all three professional accounting bodies in Australia.
- Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
- accounting
- business organisations
- commercial law
- contracts
- corporate accounting and reporting
- corporate governance
- financial management
- information technology law
- intellectual property law
- international law
- legal governance and professional leadership
- litigation
- statistics
- techniques and elements of finance

Career options
- accountant
- auditor
- chartered accountant
- financial analyst
- financial policy adviser
- forensic accountant
- futures trader
- government accountant
- in-house, public or private practice legal practitioner (barrister or solicitor)
- investment manager
- merchant banker
- public practice accountant
- stockbroker
- strategic business consultant
- superannuation adviser
- taxation consultant

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

5 YEARS FULL-TIME / EQUIVALENT PART-TIME

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Enquiries – Law
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ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BCom-ProfAccgLLB

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information. The Bachelor of Commerce – Professional Accounting satisfies tertiary requirements for entry into CPA Australia’s CPA program, the ICAA’s CA program and the IPA’s PNA program.
Bachelor of Environment with Bachelor of Laws

Description
This double degree will prepare you for a career in the fast-growing area of environmental law, dealing with the legal implications of science and sustainability. You will develop a keen understanding of the relationships between science, economics, ethics and law. You will also study the science, technology and legislation associated with environmental science and explore people’s perceptions and desires when tackling environmental issues in the real world.

Macquarie law will give you knowledge of legal principles and the critical and analytic skills to really understand them. You will study areas such as constitutional law, contract law, family law and international law. You will also look at areas of contemporary concern such as consumer law, environmental law, health law and information technology law.

Key features
- This double degree provides you with legal and scientific knowledge in addition to the critical analysis skills required for employment in decision making, policy implementation and legal consultancy across a spectrum of environment-related fields and industries.
- You learn from highly qualified lecturers who have a practical understanding of environmental science and law.
- Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
- applied climatology
- biodiversity and conservation
- chemical analysis
- ecology and evolution
- environmental and groundwater geophysics
- environmental geology
- environmental health and assessment
- environmental law
- environmental management
- field geology and mapping
- geomorphology – rivers and catchment systems
- health law and ethics
- international environmental law
- local government and planning law
- microbiology
- spatial information systems

Career options
- consultant
- environmental planner
- in-house, public or private practice legal practitioner (barrister or solicitor)
- media consultant
- policy adviser
- resource manager

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information.
Description
The use of information technology in business and government increasingly raises legal issues around intellectual property, knowledge management and software use. In this degree you specialise in developing computer skills to build and use information systems to manage data or build client-server web applications while exploring the relevant legal frameworks for these processes.

Key features
- There is an increasing requirement for lawyers with knowledge and skills in information technology, telecommunications and the internet who can manage critical issues related to commercial, regulatory and intellectual property law.
- The software development lifecycle project in your final year allows you to put all your skills to work in a challenging case study and provide evidence of your skill set to employers.
- Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
- accounting
- business organisations
- computer science
- e-commerce technology
- foundations of law
- information systems
- information technology law
- intellectual property law
- language technology
- mathematics
- media law
- optical technology
- programming
- property law
- software engineering
- in-house, public or private practice legal practitioner (barrister or solicitor)
- legal academic
- legal officer in public or private sectors
- policy adviser
- programmer
- systems engineer

Career options
- communication systems analyst
- copyright consultant
- database manager
- in-house, public or private practice legal practitioner (barrister or solicitor)
- legal academic
- legal officer in public or private sectors
- policy adviser
- programmer
- systems engineer

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Enquiries
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F: (02) 9850 6565
ask.mq.edu.au

Law
Arts Student Centre
T: (02) 9850 6783
F: (02) 9850 8240
ask.mq.edu.au

Accreditation
The Bachelor of Information Technology satisfies the standard for the professional level of the Australian Computer Society.
Bachelor of International Studies with Bachelor of Laws

Description
In a rapidly shrinking world the ability to understand, appreciate and assimilate into other cultures is a highly valued skill in all industries. This double degree opens the door to employment related to international legal, cultural, social and political endeavours.

The Bachelor of International Studies component suits those who are interested in contemporary society, other cultures and in the global society of the future, and who want to learn a foreign language and to study overseas for part of their time at university.

Macquarie law will give you knowledge of legal principles and the critical and analytic skills to really understand them. You will study areas such as constitutional law, contract law, family law and international law. You will also look at areas of contemporary concern such as consumer law, environmental law, health law and information technology law.

Key features
- You will spend a session at a university overseas, and will also have the opportunity to undertake a focused internship linked to the language and culture you are studying, either nationally or internationally.
- Undertaking this double degree at Macquarie provides you with an unmatched range of languages, both Asian and European. We offer the widest range of European languages of any university in New South Wales.
- The interdisciplinary approach of the University allows you to integrate aspects of linguistics and cross-cultural communication into your study.
- Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
- Chinese
- Croatian
- French
- German
- Italian
- Japanese
- Modern Greek
- Polish
- Russian
- Spanish
- Asian, European and Latin American societies and culture, past and present
- cross-cultural communication
- foundations of law
- global issues
- heritage conservation
- international environmental law
- international human rights
- international trade law
- property law

Career options
- diplomat
- in-house, public or private practice legal practitioner (barrister or solicitor)
- international business and law adviser
- international policy adviser
- journalist
- public service
- private consultant
- translator and interpreter

Recommended prior knowledge
First-year international studies units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Enquiries
Arts Student Centre
T: (02) 9850 6783
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ask.mq.edu.au
For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BIntStudLLB

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information.
Bachelor of Psychology (Honours) with Bachelor of Laws

Description
This prestigious degree is highly respected and prepares you for a career in psychology, law or academia. It covers a range of units including psychological assessment, and the study of cognitive processes, development and learning. You will also study areas of law including constitutional law, international law, contract law and criminal law.

It involves five years of accredited undergraduate study, followed by an honours year in which you complete a research thesis and advanced coursework units in psychology.

Further study and training is required for registration as a psychologist.

Key features
- This is one of Macquarie's most prestigious double degrees.
- It is a highly structured, accredited program with most graduates becoming specialists in their field.
- You may also pursue a career where your psychology studies give you an edge as a legal practitioner (barrister or solicitor), or legal officer in the public or private sector.
- Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
- biopsychology and learning
- cognitive processes
- constitutional law
- criminology
- developmental psychology
- foundations in law
- health law and ethics
- international law
- perception
- principles of psychological assessment
- psychological science
- research methods in psychology
- social and personality psychology

Career options
- academic
- criminology researcher
- health department researcher
- human resources consultant
- in-house legal counsel for NGOs, community or health service organisations
- legal practitioner (barrister or solicitor)
- psychologist
- training consultant

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au. For eligibility to the honours year you must meet specific entry requirements.

Enquiries – Psychology
Human Sciences Student Centre
T: (02) 9850 9898
ask.mq.edu.au

Enquiries – Law
Arts Student Centre
T: (02) 9850 6783
F: (02) 9850 8240
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BPsychHonsLLB

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information. The Bachelor of Psychology (Honours) is accredited by the Australian Psychology Accreditation Council (APAC), and enables you to progress towards registration as a psychologist.
Bachelor of Science with Bachelor of Laws

Description
Combining your science degree with law will allow you to expand your career options. You will have the flexibility to specialise in a particular area of science while expanding your knowledge of legal principles, including environmental law, intellectual property law and international law. Graduates of this double degree demonstrate skills and capabilities that are sought after by employers, including creative problem-solving, critical analysis, highly developed communication skills and flexibility.

Key features
- This double degree features a strong focus on practical work that enhances the development of skills and problem-solving abilities. Within the Bachelor of Science, high-quality laboratories offer exposure to modern instrumentation and tools.
- Dedicated links with both industry and government provide opportunities for practical experience, while teaching by internationally recognised researchers ensures up-to-date scientific knowledge.
- Macquarie offers unique opportunities for global education, including study abroad, internship and volunteer positions.
- Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
- biology
- chemistry
- environmental law
- geography
- geology
- health law and ethics
- information technology law
- intellectual property law
- international environmental law
- mathematics
- media law
- physics
- in-house, public or private practice legal practitioner (barrister or solicitor)
- IT consultant
- national parks and conservation officer
- policy adviser
- researcher
- scientific consultant
- telecommunication project officer

Career options
- agricultural project consultant
- environment protection officer
- exploration and mining consultant
- policy adviser
- researcher
- scientific consultant
- telecommunication project officer

Recommended prior knowledge
This is dependent on your choice of major. Introductory units within the Bachelor of Science and bridging courses are available if you do not have the recommended prior knowledge. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information.
Bachelor of Social Science with Bachelor of Laws

Description
This double degree combines the fundamentals of the legal system and social research, with applied social science skills.

You will develop an understanding of how we make sense of the world, the questions we ask about it, and be challenged to think about not only why we ask these questions, but also what we can and should do with the answers we find.

Within the degree there is a strong emphasis on social research design, methods, practice and application across a range of data analysis techniques and technologies. This emphasis provides you with a flexible set of vocational skills and capabilities offering an understanding of issues in culturally diverse social environments in both local and global contexts. You will be prepared for a wide variety of research and policy-related careers in both the private and public sectors.

This double degree combines social research skills and policy skills with an in-depth understanding of legal principles such as constitutional law, contract law, family law and international law. You will also look at areas of contemporary concern such as consumer law, environmental law, health law and information technology law.

Key features
- The program provides specific skills in applied social research and offers a wide knowledge base for understanding issues in a culturally diverse social environment.
- You can choose from 16 majors including Criminology, Development Studies and Culture Change, Political Economy and Social Policy, and Social Justice.
- The focus is vocational, critical and scholarly. We consulted with employers, government, community groups, activist organisations and trade unions to develop the key graduates skills.
- Macquarie internships offer you a unique chance to gain work experience by applying the skills you acquire through study to the design and conduct of a research project during a placement at one of our partner organisations.
- Graduates are entitled to admission for professional practice in law in New South Wales, subject to completion of professional training at The College of Law. Successful completion of this degree qualifies you for admission to The College of Law.

What you can study
- anthropology
- constitutional law
- criminology
- development studies and culture change
- family law
- foundations of law
- gender studies
- human geography
- Indigenous studies
- international law
- international relations
- human rights
- philosophy
- political economy and social policy
- politics
- psychological science
- public policy, law and governance
- sociolinguistics
- sociology
- statistics

Career options
- educational policy maker
- in-house, public or private practice legal practitioner (barrister or solicitor)
- international aid worker
- journalist
- market researcher
- program manager and evaluation consultant
- resource manager
- social policy maker
- social welfare adviser

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

5
YEARS FULL-TIME/
EQUIVALENT PART-TIME
95.90
PREVIOUS YEAR’S ATAR CUT-OFF
300319
UAC CODE

Enquiries
Arts Student Centre
T: (02) 9850 6783
F: (02) 9850 8240
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BSocScLLB

Accreditation
The Bachelor of Laws is accredited with professional bodies regulating the admission of law graduates to legal practice. Refer to the Bachelor of Laws on page 28 for further information.
Faculty of Business and Economics
The Faculty of Business and Economics makes a positive contribution to business and society in the Asia-Pacific region and beyond. We do this through the production and delivery of relevant and impactful teaching and research across our disciplines, and by developing knowledgeable and internationally aware graduates who are in demand by employers. As the University’s largest faculty, we offer a variety of business majors that allow you to explore many career options. Whether you are interested in accounting, analytics, banking, contemporary management issues, economics, finance, HR, international business or marketing, you will be able to design a program of study that suits you. You will also benefit from scholarships and internships with partners from leading organisations such as GlaxoSmithKline, Beiersdorf Australia, Holocentric, Citigroup and Deloitte.
Accounting and corporate governance

Accounting is the language of business and a vital tool for organisations to analyse reports and solve business problems. Accountants, auditors and risk managers are in demand worldwide, finding employment in all areas of commerce, not-for-profit and government. Macquarie’s expertise in this field ranges from financial and management reporting to risk, corporate governance, ethics, and information systems and development. Our accredited degrees give you depth and breadth of knowledge, and the skills to relate this knowledge to complex situations in the real world.

3 REASONS TO CHOOSE ACCOUNTING AND CORPORATE GOVERNANCE AT MACQUARIE

1. We graduate more qualified accounting students than any other institution in New South Wales
2. Our internship is supported by industry experts so you are exposed to real-world situations and have access to networking opportunities with senior executives
3. Studying accounting at Macquarie teaches you the international language of business

ACCRREDITATION

• Our professional accounting program meets the entry requirements for the professional programs offered by CPA Australia and the Institute of Charted Accountants in Australia. We are also a Registered Tuition Provider of the CPA Program.
Bachelor of Business Analytics

The impact of big data and new technologies, business intelligence and media platforms makes the analysis of business exciting. This cross-disciplinary degree, developed in consultation with industry, provides you with critical skills which will see you in demand with employers.

Description

Technological advancements have led to an increase in the amount of consumer data generated every day, as well as improvements in the ability of organisations and governments to capture, store and use such data. This data revolution has increased the demand for people with the ability to extract value from these data sources.

This degree equips you with knowledge and skills in the areas of quantitative analysis, business information systems, database programming and business. Knowledge and skills in these areas will provide you with the tools to derive valuable insights from big data sources.

Key features

- A focus on multiple disciplines provides you with qualitative skills (graphic presentation and information communication), quantitative skills (modelling and statistics), computing skills (business information/intelligence systems and programming) and business training (accounting, business analytics, forecasting and management).
- You will gain the broad-base training you need to appeal to a variety of potential employers.
- You will acquire an integrated body of core technical knowledge relating to business analytics and information systems, and their applications within a business environment.

What you can study

- accounting
- applications modelling and development
- business analytics
- business forecasting
- data management
- data mining
- database systems
- demographic
- management
- statistics
- systems design

Career options

- behavioural forecasting
- business analyst
- business process improvement specialist
- business process modelling consultant
- customer insights manager
- data analyst
- management consultant
- IT planning manager

Recommended prior knowledge

HSC Mathematics is assumed knowledge. If you don't have this knowledge you can study a first-year mathematics unit to acquire it.
Bachelor of Commerce – Professional Accounting

This degree helps you meet the requirements for professional industry accreditation in accounting – a field that focuses on the collection, measurement, analysis and communication of information for planning, reporting and decision making.

Description
This degree consists of core and elective units that allow you to meet the requirements for accreditation by professional accounting bodies. The professional accounting sequence meets the tertiary education requirements of CPA Australia, the Institute of Chartered Accountants in Australia (ICAA), the Association of Chartered Certified Accountants (ACCA) and the Institute of Public Accountants (IPA). It provides an excellent foundation for a range of accounting-based careers. This degree also enables you to understand the challenges and issues facing the world and the accounting profession at present, and develop the capacity to be engaged and ethical local and global citizens.

Key features
- You will gain the essential accounting and reporting knowledge, and a range of business-related skills in assurance and audit, commercial law, economics, financial management, information systems and statistics.
- Double-degree options, some of which can be completed in four-years equivalent full-time study are available. These degrees are rigorous, give you enhanced career opportunities and a distinct advantage in return for an additional year’s study.

What you can study
- auditing and assurance
- business and corporate law
- economic policies and regulations
- finance
- financial reporting
- information systems
- international accounting
- management and control
- professional issues
- statistical analysis
- sustainability issues
- taxation
- sustainability issues
- taxation

Career options
- accountant
- auditor
- business analyst
- consulting firm manager
- financial institution manager
- forensic accountant
- government policy
- planner/analyst
- merchant banker
- stockbroker

Recommended prior knowledge
HSC Mathematics is assumed knowledge. If you don’t have this knowledge you can study a first-year mathematics unit to acquire it.

Double degrees
This degree can be undertaken with the following:
- Bachelor of Applied Finance which equips you with practical financial skills and the ability to apply them in accounting-related careers
- Bachelor of Business Administration which equips you with a solid business understanding and the skills to practice as a qualified accountant
- Bachelor of Laws which equips you with a better understanding of the role of commercial and corporate law while preparing you to practice as a qualified accountant

Accreditation
This degree satisfies tertiary educational requirements for entry into CPA Australia’s CPA program, the ICAA’s CA program, the ACCA’s professional program and the IPA’s PNA program.

Enquiries
Business and Economic Student Services (BESS)
T: (02) 9850 1050
F: (02) 9850 9958
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BCom-ProfAccg
Applied finance and actuarial studies

The finance sector is dynamic and complex, and highly skilled graduates are in demand worldwide. Finance at Macquarie investigates three core areas: corporate finance, investments and financial markets, and their effect on the flow of funds within the economy and on the control of risk. Macquarie has a long and proud history in teaching actuarial studies – in fact we are recognised by the Actuaries Institute as a centre of excellence in actuarial education. Our actuarial studies program is the longest running of its kind in Australia and our graduates are highly sought after.

3 REASONS TO CHOOSE APPLIED FINANCE AND ACTUARIAL STUDIES AT MACQUARIE

1. Our actuarial studies program is the longest running actuarial course of its kind in Australia
2. We offer internships with leading organisations such as Deloitte and Deutsche Bank
3. We prepare you with in-depth knowledge for dynamic careers with flexible and practical programs

ACCREDITATION

- The Bachelor of Applied Finance has been approved by ASIC (Australian Securities and Investments Commission – authorised assessors) as meeting ASIC training requirements
- The Bachelor of Actuarial Studies is accredited by the Actuaries Institute
Bachelor of Actuarial Studies

Actuaries analyse and manage the risks of financial contracts, insurance and retirement funds. They also help manage and control financial institutions. This degree will help you master the skills required to excel as an actuary.

Description
An actuary’s work is based on the application of mathematical, statistical, economic and financial analysis to a range of practical problems in long-term financial planning and management. Actuaries relate numbers to real life.

Macquarie’s actuarial studies degree is the longest running actuarial program of its kind in Australia and is accredited by the professional actuarial body.

Key features
• This degree is recognised by the Actuaries Institute as a centre of excellence in actuarial education.
• You will learn from highly experienced lecturers and members of the Actuaries Institute.
• Many Macquarie actuarial graduates hold senior positions in the financial services industry.
• You will learn to apply knowledge and concepts to problems in insurance, banking, finance and superannuation.
• You will gain a comprehensive understanding not only in actuarial studies, but also in economics, accounting, mathematics, statistics and finance.

What you can study
• analysis of mortality and population-based rates
• contingent payments
• mathematics of finance
• probability and statistics

Career options
• funds manager
• life, general or health insurance specialist
• insurance analyst
• risk analyst
• superannuation consultant

Recommended prior knowledge
Prerequisite: HSC Mathematics Extension 1 (Band E4).
Recommended studies: HSC Mathematics Extension 1 and 2 with a combined mark of at least 180.

Double degrees
This degree can be undertaken with the following:
• Bachelor of Applied Finance which deepens your understanding of the financial, mathematical, statistical and economic analysis needed in long-term financial management
• Bachelor of Science with a major in either statistics or mathematics allows you to complete all the units required for exemption from Parts 1 and 2 of the Actuaries Institute’s professional exams, while gaining a competitive set of specialist skills

Accreditation
This degree is accredited by the Actuaries Institute. If you complete it with grades of credit or above in the relevant units you are granted exemption from Part 1 of the Actuaries Institute’s professional exams. If you complete a four-year double degree involving actuarial studies with grades of credit or above in the relevant units you are granted exemption from Parts 1 and 2 of the Actuaries Institute’s professional exams.
Bachelor of Applied Finance

This degree equips you to become a professional in the field of finance – a system of markets, banks, laws, financial instruments and businesses, facilitating the flow of funds to investments. Finance professionals provide advice about optimal decision making within this system.

Description
A degree in finance focuses on financial organisations, markets and instruments, their effect on the flow of funds within the economy and the control of risk.
The finance sector is becoming increasingly complex, and people employed in the sector require specialised training to deal with this complexity. Graduates of this degree are equipped to work in the finance sector both in Australia and internationally.

Key features
- This is a specialist undergraduate finance degree that covers a broad range of current knowledge and technical skills.
- Units apply current theory and analytical techniques to real-world finance industry situations.
- Your teachers are highly qualified and experienced lecturers who have a thorough understanding of finance industry practices.

What you can study
- corporate finance
- derivative pricing

Career options
- financial analyst for accounting and consultancy firms
- financial economist
- investment analyst
- management consultant
- market analyst
- planning/policy analyst
- public administrator
- researcher
- statistician
- stockbroker
- corporate finance
- derivative pricing
- finance theory
- financial economics
- portfolio management
- risk management

Recommended prior knowledge
HSC Mathematics is assumed knowledge and Mathematics Extension 1 is recommended. If you don’t have this knowledge you can study a first-year mathematics unit to acquire it.

Double degrees
This degree can be undertaken with the following:
- Bachelor of Actuarial Studies which deepens your understanding of the financial, mathematical, statistical and economic analysis needed in long-term financial management
- Bachelor of Commerce – Professional Accounting which equips you with practical financial skills and the ability to apply them in accounting-related careers
- Bachelor of Economics which equips you with practical financial skills and the latest economic understanding that can be applied to real industry, social and governmental situations
- Bachelor of Laws which equips you with a greater insight into the role of law in finance

Accreditation
This degree, and associated double degrees, have been approved by ASIC (Australian Securities and Investments Commission – authorised assessors) as meeting ASIC training requirements in relation to RG 146 compliance for generic knowledge, skills and specialised knowledge in the areas of securities, derivatives, managed investments, deposit products and non-cash payment facilities, and foreign exchange, subject to the completion of certain units.
A business, economics or commerce degree from Macquarie counts for more in the business world. As a graduate in this field you will achieve a higher than average starting salary and be sought after by leading businesses across Australia and around the world. That’s because Macquarie equips you with the skills that companies want. Our interdisciplinary approach gives you the chance to combine degrees, and get more hands-on experience through internships with some of Australia’s best companies. If you want a business, economics or commerce degree that means more in the business world, this is it.

3 REASONS TO CHOOSE BUSINESS, ECONOMICS AND COMMERCE AT MACQUARIE

1. We offer internships with leading organisations such as Deloitte, KPMG, Cochlear Ltd and CPA
2. Eighty-five per cent of our students who gain a paid internship are offered full-time work after their studies
3. We have developed specific programs in response to employers’ needs. Our Bachelor of Business Leadership and Commerce combines a traditional degree and personal leadership development

ACCREDITATION

- The Australian Human Resources Institute (AHRI) recognises that Macquarie’s Bachelor of Commerce majoring in Human Resources equips graduates to meet desired industry outcomes
- The Bachelor of Commerce with a major in Marketing is accredited by the Australian Marketing Institute (AMI)
Bachelor of Business Administration

This management degree prepares you for a broad range of business roles and opportunities in Australia and internationally.

Description
This is a general management degree designed for those interested in a career in business management. It allows you to develop the skills necessary for managing a business including accounting, business, ethics, management, marketing and strategy.

Key features
- You will develop a broad skill set suitable for a range of roles with national and multinational organisations.
- Flexible unit choices allow you to follow your interests.
- You can combine this degree with another, to focus on areas such as accounting, law or organisational psychology.
- You have opportunities to get real-world experience with leading Australian organisations through internships, and have the option of studying overseas with partner universities.

What you can study
- accounting
- business law
- economics
- finance
- human resources
- international business
- marketing
- organisational behaviour
- statistics
- strategic management

Career options
- business analyst
- communications manager
- human resources manager
- management consultant
- marketing consultant
- public sector manager
- recruitment and staff development consultant
- sales manager

Recommended prior knowledge
HSC General Mathematics is assumed knowledge and HSC Mathematics is recommended. If you don’t have this knowledge you can study a first-year mathematics unit to acquire it.

Double degrees
This degree can be undertaken with the following:
- Bachelor of Arts which equips you with business skills as well as critical thinking and communications skills
- Bachelor of Arts – Psychology which equips you with knowledge about how businesses operate, as well as an understanding of how people within businesses operate
- Bachelor of Commerce – Professional Accounting which equips you with a solid business understanding and the skills to practice as a qualified accountant
- Bachelor of Laws which equips you with an understanding of business law and prepares you for a managerial or legal career
- Bachelor of Psychology (Honours) which allows you to develop ethical awareness, analytical, social, and personal capabilities to become a global business professional
Bachelor of Business Leadership and Commerce

This prestigious degree is suitable for high-achieving students who wish to be tomorrow’s business leaders. It delivers relevant, flexible, and creative leadership skills that prepare you for the future, and which are in high demand by employers.

Description
This degree offers a range of opportunities to develop higher level skills to lead people, work collaboratively, rapidly adapt to changing circumstances, come up with innovative and creative solutions to business problems, communicate clearly and effectively, and manage diversity and inclusive practice.

It gives you the work-ready skills and the technical knowledge you need to become an accountant, financier, HR manager, marketer and related operational manager, or economist.

Key features
- Developed in response to employers’ needs, this degree encompasses a first degree, which combines personal leadership development with a second, traditional professional degree.
- The degree is designed for students who demonstrate both high potential and motivation to extend their commerce/business discipline learning to encompass the theory and application of leadership.
- It builds knowledge and skills in critical, analytical and integrative thinking, professional judgement and problem solving through academic knowledge and experiential skill-based learning. It seeks to develop your capability, sensibility and commitment so that you become an engaged global citizen.

What you can study
- accounting
- communication and influencing skills
- decision making
- economics
- finance
- global awareness
- human resources
- innovation and creative thinking
- international business
- leadership and applied leadership theory
- management marketing
- managing relationships
- marketing strategy
- organisational behaviour
- organisational dynamics including change management
- personal development and management
- power, negotiation and conflict management
- problem solving
- social responsibility

Career options
- accountant
- business analyst
- human resources manager
- management consultant
- marketing consultant
- public and community sector manager
- recruitment and staff development consultant
- sales manager

Recommended prior knowledge
HSC General Mathematics is assumed knowledge. HSC Mathematics is recommended for Accounting, Economics and Finance majors. If you don’t have this knowledge you can study a first-year mathematics unit to acquire it.

*NOTE: Your application will be assessed by the Faculty of Business and Economics to determine your eligibility based on an assessment of academic performance and additional selection criteria (CV and interview). Short-listed applicants will be asked to attend an on-campus interview.

Submit your CV through UAC’s ‘Check and Change’ screen immediately after you have completed and saved your application. CV submissions are due by 30 September 2014. Short-listed applicants will be notified in mid-November 2014 to attend an on-campus interview, which will be held from mid-November to December 2014.
Bachelor of Commerce

This degree prepares you to become a business professional in a wide range of careers.

Description
This degree gives you a comprehensive understanding of all business functions and a set of practical skills to succeed as a professional. You will study a set of extensive and integrated foundation units to orient you to business, and then complete one or two majors to develop depth in your chosen commerce discipline(s).

Key features
• With nine majors, this degree gives you both a comprehensive knowledge of business and a deep understanding of a chosen discipline.
• Undertake a major in areas such as accounting, economics, finance or marketing, or combine two majors to expand your options.

What you can study
• accounting
• business information systems
• decision science
• economics
• entrepreneurship
• finance
• human resources
• international business
• marketing

Career options
• accountant
• auditor
• business analyst
• economic policy adviser
• financial analyst
• human resources manager
• investment manager
• management consultant
• market researcher
• marketing professional
• stockbroker
• taxation consultant

Recommended prior knowledge
For some majors (Accounting, Economics, Finance), HSC Mathematics is assumed knowledge. If you don’t have this knowledge you can study a first-year mathematics unit to acquire it.

Double degrees
This degree can be undertaken with the following:
• Bachelor of Arts which allows you to combine your interests in commerce and arts, and gain a commercial understanding of business with complementary arts knowledge.
• Bachelor of Arts – Psychology which equips you with a comprehensive understanding of commerce and business functions, and a range of fundamental psychological concepts that will help you understand how people think, act and feel.
• Bachelor of Engineering which allows you to focus on specific commercial aspects of engineering such as economics, finance, human resources, international business and marketing, as you gain the skills to work as an engineer.
• Bachelor of Laws which equips you with a legal and commercial understanding of business and trade, giving you a competitive edge in your career.
• Bachelor of Psychology (Honours) which equips you with a comprehensive range of business skills and knowledge through flexible unit choice across a variety of business and commerce disciplines.
• Bachelor of Science which allows you to understand the intersection between technology industries and the fast-paced world of business and finance.

3 YEARS FULL-TIME/EQUIVALENT PART-TIME

81.00
PREVIOUS YEAR’S ATAR CUT-OFF

300210
UAC CODE

Enquiries
Business and Economic Student Services (BESS)
T: (02) 9850 1050
F: (02) 9850 9958
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BCom

Accreditation
With the correct choice of units, this degree satisfies tertiary educational requirements for entry into CPA Australia’s CPA program and the ICAA’s CA program.
Bachelor of Economics

This degree provides an analytical basis for business and government decisions and equips you to become part of the field of economics, which deals with the production, trade and use of goods and services.

Description
This degree gives you the skills to undertake analytical and research tasks, to think abstractly and logically using mathematical and statistical methods, and to communicate complex concepts and ideas in simple, intuitive ways.

The degree structure allows you to tailor a program to your needs and interests. You can either follow a broadly based program, including units from other discipline areas such as languages, philosophy, politics, or sociology, or focus on more traditional areas such as econometrics, finance, or the social implications of economics.

Key features
- You will develop problem-solving, critical-thinking and high-level technical and analytical skills.
- It is suitable for those looking for a rewarding career in many areas of business, finance, industry or government.
- You will become proficient in macroeconomic policy with some exposure to financial and public economics, giving you the strong theoretical background required for a successful career in either the public or private sector.
- An emphasis on applied economic skills provided by the study of econometrics will allow you to meet the expectations of major employers such as commercial and investment banks, economic consultancies, state and federal departments, and the Reserve Bank of Australia.

What you can study
- applied economics
- development economics
- econometrics
- economic policy
- environmental economics
- financial economics
- industrial organisation
- international economics
- labour economics
- macroeconomics
- microeconomics

Career options
- business journalist
- econometrician
- economist
- financial analyst
- investment analyst
- management consultant
- market analyst
- planning/policy analyst
- public administrator
- researcher
- statistician
- stockbroker

Recommended prior knowledge
HSC Mathematics is assumed knowledge. If you don’t have this knowledge you can study a first-year mathematics unit to acquire it.

Double degree
This degree can be undertaken with the following:
- Bachelor of Applied Finance which equips you with practical financial skills and the latest economic understanding that can be applied to real industry, social and governmental situations
Bachelor of Global Business

This degree gives you the language skills and commercial business knowledge to take your career around the world.

Description
This degree provides you with the commercial business knowledge, and Asian or European language experience, to take you around the world.

Key features
- The combination of business skills, entrepreneurship and global trade law gives you a well-rounded understanding of business at an international level.
- Our focus on intercultural language learning ensures you develop a deeper understanding of your chosen language.
- Targeted at high-achieving students, this degree combines a commercial understanding of global business, a major in an Asian or European language, and an internship in an international company, either in Australia or overseas.

What you can study
- global business analyst
- global business development officer
- global business journalist
- global communications manager

Language majors include:
- Chinese Studies
- Chinese-English Translation and Interpreting
- French Studies
- Italian Studies
- Japanese Studies
- Modern Greek Studies
- Polish Studies
- Russian Studies
- Spanish and Latin American Studies

Career options
- international relations manager
- interpreter and translator (Chinese-English)
- management consultant
- operations analyst
- political adviser
- public service (including trade facilitation, diplomatic and foreign affairs)

Recommended prior knowledge
HSC General Mathematics is assumed knowledge. If you don’t have this knowledge you can study a first-year mathematics unit to acquire it.
Marketing and management are key to success in the dynamic world of business. Through the creation and communication of value, marketing focuses on how to best satisfy the wants and needs of customers. Management ensures that all functions of business such as human resources, administration, international business and marketing are all aligned with the organisation’s overall strategies. Marketing and management at Macquarie are unique as they not only explore the theory behind modern marketing and management principles, they also allow you to gain practical skills in media-related technologies that can be applied in a marketing or management context.

3 REASONS TO CHOOSE MARKETING AND MANAGEMENT AT MACQUARIE

1. Macquarie was the first university to gain Australian Marketing Institute (AMI) accreditation

2. Our degrees are taught by professional marketers and award-winning media producers – all with industry experience

3. You will have access to the highest quality media studies facilities in Australia, with professional studio spaces, industry-standard digital workstations, a specially equipped theatre and digital production tools.

ACCREDITATION

- The Bachelor of Commerce with a major in Marketing is accredited by the Australian Marketing Institute (AMI)
Bachelor of Marketing and Media

Our unique blend of marketing strategy, brand management and digital production will set you apart in the job market.

Description
This degree teaches you the theory behind modern marketing principles and develops a thorough understanding of both traditional and emerging media. It also gives you the practical skills in media-related technologies that can be applied in a marketing context.

Key features
- You will be taught by widely published academics, professional marketers and award-winning media producers – all with industry experience.
- You will use high-quality media facilities with professional studio spaces, industry-standard digital workstations for all production areas, a specially equipped theatre for screenings, and digital production tools.
- Competitive and selective intake into this degree ensures that graduates are of the highest calibre to meet the demands of future employers.
- This degree emphasises a balance between theoretical understanding and practical application in both professional marketing and media spheres.

What you can study
- Australian media
- brand management
- business and creative arts management
- digital marketing
- integrated marketing communications
- marketing fundamentals
- marketing research
- media cultures
- professional writing
- public relations
- radio, screen and digital-media production
- social marketing
- corporate communications producer
- creative director
- journalist
- market researcher
- marketing communications specialist
- marketing consultant
- marketing executive
- media buyer
- media producer
- media and public relations specialist
- Australian media
- brand management
- business and creative arts management
- digital marketing
- creative director
- journalist
- market researcher
- media producer
- public relations
- social marketing
- corporate communications producer
- marketing communications specialist
- marketing consultant
- marketing executive
- media buyer
- media producer
- media and public relations specialist
- Australian media
- brand management
- business and creative arts management
- digital marketing
- corporate communications producer
- creative director
- journalist
- market researcher
- marketing communications specialist
- marketing consultant
- marketing executive
- media buyer
- media producer
- media and public relations specialist

Career options
- advertising account executive
- art director
- brand manager
- broadcasting production manager
- copywriter
- corporate communications producer
- creative director
- journalist
- market researcher
- marketing communications specialist
- marketing consultant
- marketing executive
- media buyer
- media producer
- media and public relations specialist
- advertising account executive
- art director
- brand manager
- broadcasting production manager
- copywriter
- corporate communications producer
- creative director
- journalist
- market researcher
- marketing communications specialist
- marketing consultant
- marketing executive
- media buyer
- media producer
- media and public relations specialist
- advertising account executive
- art director
- brand manager
- broadcasting production manager
- copywriter
- corporate communications producer
- creative director
- journalist
- market researcher
- marketing communications specialist
- marketing consultant
- marketing executive
- media buyer
- media producer
- media and public relations specialist

Recommended prior knowledge
First-year marketing and media units do not require any assumed knowledge, prerequisites or recommended studies. For information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Enquiries – Marketing
Business and Economics Student Services (BESS)
T: (02) 9850 1050
F: (02) 9850 9958
ask.mq.edu.au

Enquiries – Media
Arts Student Centre
T: (02) 9850 6783
F: (02) 9850 8240
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BMktgMedia
Faculty of
Human Sciences
The Faculty of Human Sciences is committed to preparing graduates for the future – people who are well-informed, ethical, curious and compassionate. You can study psychology; human sciences; speech, hearing and language sciences; or education for children from birth through to primary and high school; or gain entry to professional studies in physiotherapy, audiology and speech pathology.

You will be well supported by passionate academic staff and excellent facilities such as the labs and clinics in the new Australian Hearing Hub; and the state-of-the-art simulation hub, including flight and driving in psychology. Practical experiences such as internships and community development projects are incorporated into all degrees, so you’ll also have opportunities to develop personal and professional skills.
Education and teaching

Educators shape the future. They change destinies, enrich lives and empower individuals to realise their full intellectual and social potential. Our University-wide teacher education program gives you a broad world view, an understanding of your chosen area of study within a wider social context, and qualifications that enhance your employment opportunities in primary and secondary teaching, and special education. Macquarie is a leader in early childhood teaching and research. Our teaching academics are experts in the field, frequently providing specialist opinions and media commentary, while our Mia Mia Child and Family Study Centre – a world-renowned long day care centre – offers a unique range of learning and research opportunities for students.

3 REASONS TO CHOOSE EDUCATION AND TEACHING AT MACQUARIE

1. We have a long history of producing world-class teachers with broad world views, regardless of their chosen area of study

2. Early childhood education is one of the country’s fastest growing job markets and a Macquarie degree will give your career in this field an edge

3. Access to our on-campus school for children with special needs, and the world-class childcare facility Mia Mia, contribute to your learning experiences
Early childhood
Pathways to early childhood and primary teaching

Bachelor of Education (Early Childhood Education) (Birth to 12 years)
4 YEARS

Bachelor of Teaching (Early Childhood Education)
4 YEARS

Bachelor of Teaching (Early Childhood Communities)
4 YEARS

Early childhood teacher (Early childhood specialist)
(Teach birth – 12 years)

Early childhood teacher
(Teach birth – 5 years)

KEY
1 Credit for previous study is available if you have completed TAFE study in the Diploma of Children’s Services
2 Indigenous and Torres Strait Islander applications only
Bachelor of Education (Early Childhood Education) (Birth to 12 years)

This degree qualifies you to work as a teacher with children aged from birth to 12 years. It provides graduates with the flexibility to teach across prior-to-school and school settings.

Description
Early childhood teachers work with children, families and communities to provide quality educational experiences for children, including consultancy and professional development work in the area of children’s services and primary school education.

This degree equips you for teaching in long day care, preschool and primary school settings. With an extensive professional experience component in both prior-to-school and primary settings, you will be confident and ready to enter this in-demand field as soon as you graduate.

Key features
• This degree is available on campus, via distance education, or a combination of both (some on-campus study is compulsory).
• You will undertake practical experience in schools and prior-to-school services.
• If you hold a Diploma of Children’s Services you will be eligible for credit towards this degree.
• Macquarie is a leader in early childhood education.

What you can study
• child development
• early childhood teaching principles
• family and community contexts
• health and physical education
• human society and its environment
• inclusive education
• language, literature and literacy
• management and leadership
• mathematics, science and technology
• professional experience
• the arts in educational contexts
• educational officer in government and community programs
• pathway for educational research career

Career options
• long day care centre teacher
• preschool teacher
• primary school teacher
• teacher/director in prior-to-school settings
• educational officer in government and community programs
• pathway for educational research career

Recommended prior knowledge
Students seeking employment as a primary teacher are required to have a minimum Band 4 (or equivalent) in HSC English and a minimum Band 4 (or equivalent) in HSC General Mathematics or completion of Mathematics. If this standard is not reached on entry, you must complete a unit of study in the relevant areas before graduation.
Bachelor of Teaching (Early Childhood Education)

This degree provides you with a four-year qualification to teach children aged from birth to five years in prior-to-school settings such as childcare or preschools.

**Description**
Specialist early childhood teachers work with children, families and communities to provide quality educational experiences for young children. Early childhood teachers are also sought for consultancy and professional development work in children’s services.

**Key features**
- This degree is available on campus, via distance education, or a combination of both (some on-campus study is compulsory). You will undertake practical experience in prior-to-school services.
- It enhances the career path of diploma graduates by building on existing knowledge.
- Our flexible study mode enables you to continue to be employed full-time while studying.

**What you can study**
- child development
- early childhood teaching principles
- family and community contexts
- health and physical education
- human society and its environment
- inclusive education
- language, literature and literacy
- management and leadership
- the arts in early childhood contexts

**Career options**
- long day care centre teacher
- preschool teacher
- teacher/director in prior-to-school settings
- educational officer in government and community programs
- pathway for educational research career

**Recommended prior knowledge**
No specific entry requirements are necessary, however English is recommended. You will be given credit for previous study if you have a Diploma of Children’s Services or a Diploma of Community Services (centre-based care).

**Recommended prior knowledge**

*NOTE: The Bachelor of Teaching (Early Childhood Education) replaces the Bachelor of Teaching (Birth to Five Years) which had a 2013 ATAR cut-off of 75.00.*
Bachelor of Teaching
(Early Childhood Communities)

This degree provides Aboriginal and Torres Strait Islander students with a four-year qualification to teach children aged from birth to five years in prior-to-school settings.

Description
Jointly offered by the Institute of Early Childhood and Warawara – Department of Indigenous Studies, this degree provides Aboriginal and Torres Strait Islander students with an early childhood degree, designed to acknowledge and integrate Indigenous perspectives. It has an alternate year entry pattern with the next intake in 2015.

Students come from many parts of Australia and often become advocates for children and their families, as well as leaders in their communities.

Key features
• This degree brings together early childhood teacher education and Indigenous knowledge.
• You study both at the University and at home with the support of Warawara staff, tutors, lecturers, mentors, your workplace and other students.
• Compulsory teaching periods (7–10 day blocks) take place four times per year during which you are provided with meals and accommodation.
• Travel is provided for students living interstate.

What you can study
• child development
• family and community contexts
• health and physical education
• human society and its environment
• inclusive education
• Indigenous health issues – traditional and contemporary
• language, literature and literacy
• management and leadership
• music and movement for young children in Aboriginal and Torres Strait Islander contexts

Career options
• long day care centre teacher
• preschool teacher
• teacher/director in prior-to-school settings
• educational officer in government and community programs
• pathway for educational research career

Recommended prior knowledge
As negotiated with Indigenous communities, this is a direct entry program available only to Aboriginal and Torres Strait Islander people. No work experience is required, however preference is given to those who work in young children’s services. You will be given credit for previous study if you have a Diploma of Children’s Services or a Diploma of Community Services (centre-based care).
Education – Primary

Pathways to primary teaching

- Bachelor of Arts with Bachelor of Education (Primary)
  - 4 YEARS

  OR

- Bachelor of Arts – Psychology with Bachelor of Education (Primary)
  - 4 YEARS

- Bachelor of Education (Early Childhood Education)
  - (Birth to 12 years)
  - 4 YEARS

Graduate pathways to primary teaching

- Bachelor of Education (Primary)
  - 2 YEARS

KEY

1 Credit for previous study is available if you have completed TAFE study in the Diploma of Children’s Services

2 Applicants must hold a bachelor degree from a recognised university. Bachelor of Education (Primary) applicants will have their previous studies assessed against the Board of Studies, Teaching and Educational Standard’s Key Learning Area content requirements. Consult the Board of Studies, Teaching and Educational Standard’s website to assess your eligibility before applying. Subject content requirements for teaching and self assessment pro-formas are available at nswteachers.nsw.edu.au/Teaching-in-NSW/Subject-Content-Requirements-abridged
Bachelor of Arts with Bachelor of Education (Primary)

This double degree provides the principal pathway to primary school teaching for those who haven't completed a previous degree.

Description
In this degree you complete a qualifying major (usually in education), undertake teaching methodology units, participate in the school-based professional experience program and satisfy the Key Learning Area (KLA) content requirements specified by the Board of Studies, Teaching and Educational Standards in areas such as creative arts, English, human society and its environment, mathematics, PDHPE, and science and technology.

Key features
- This degree offers an academic, research-based approach to teacher education.
- Its emphasis is on the development of scholar teachers – you combine your discipline-based studies with your study of education. You will then graduate as a professional who is flexible, responsive to academic needs, venturesome and confident.
- In years two, three and four, academic studies are completed alongside professional units, including school-based professional experience. This allows for the integration of theory and practice.
- During the professional experience component you are supervised and assessed by an experienced classroom teacher who acts as a mentor. This practical experience enables you to develop a long-term relationship with your allocated school community.

What you can study
- approaches to the teaching of literacy and numeracy
- classroom management strategies and techniques
- contemporary approaches to assessment and reporting
- curriculum development and implementation
- factors affecting human development and learning
- historical, social and policy context of education
- how to develop and implement quality lessons
- strategies for addressing the diverse needs of students

Career options
- primary teacher
- educator and trainer of adults
- educational adviser to government or other agencies
- educational policy planner
- education officer within a range of public and private institutions
- educational researcher

Recommended prior knowledge
All intending teachers are required to have a minimum Band 4 (or equivalent) in HSC English. Intending primary teachers must also have a minimum Band 4 (or equivalent) in HSC General Mathematics or completion of Mathematics (2 Unit). If this standard is not reached on entry, you must complete a unit of study in the relevant areas before graduation.
Bachelor of Arts – Psychology with Bachelor of Education (Primary)

This degree will qualify you for teaching at a primary school level as well as prepare you for employment in psychology-related areas.

Description
This degree includes the required education and professional units for teaching at a primary school level. It also prepares you for employment in psychology-related areas, but does not allow the use of the title 'psychologist'. An honours year or equivalent, and a further two years postgraduate training or supervised experience is required for registration as a psychologist.

Key features
- Skills gained in the collection, evaluation and critical analysis of data will enhance employment opportunities in all fields and industries.
- During the professional experience component you are supervised and assessed by an experienced classroom teacher who acts as a mentor. This practical experience enables you to develop a long-term relationship with your allocated school community.
- Macquarie is a leader in psychology and education research, giving you access to the latest techniques and tools to start your career.
- Your third year contains a capstone unit which integrates the main features of your earlier studies and provides the opportunity to gain relevant workplace experience through PACE (Professional and Community Engagement) in a community setting that is relevant to psychology.

What you can study
- approaches to teaching literacy and numeracy
- classroom management strategies and techniques
- contemporary approaches to assessment and reporting
- curriculum development and implementation
- factors affecting human development and learning
- how to develop and implement quality learning experiences
- strategies for addressing the diverse needs of students

Career options
- primary teacher
- corporate educational services consultant
- government researcher, adviser, policy or program writer
- market researcher
- school counsellor (with additional study)

This degree also qualifies you for employment in professional areas such as health and social welfare, market research, social policy, and various functions associated with human resources and services.

Recommended prior knowledge
You are required to have a minimum Band 4 (or equivalent) in HSC English, and Band 4 in HSC General Mathematics or completion of Mathematics (2 Unit). If this standard is not reached on entry, you must complete a unit of study in the relevant areas before graduation.

Registration as a psychologist
An honours year or equivalent, and a further two years postgraduate training or supervised experience is required for registration as a psychologist. If you wish to proceed with honours in psychology you must transfer to the Bachelor of Psychology (Honours) before the end of your degree, subject to meeting transfer requirements, and complete your education component at a later stage. Admission to the honours year has further eligibility criteria.
Bachelor of Education (Primary)

This degree is designed for students who already have an undergraduate degree and want to proceed to primary teaching.

Description
This graduate-entry degree prepares you to teach in primary school (kindergarten to year 6) or in associated fields such as curriculum development, educational planning, educational research and policy development, as well as educational roles in industry. It can be completed in two years full-time after automatic credit for previous studies is granted.

Key features
- This degree provides a professional qualification for graduates seeking accreditation as primary teachers.
- School-based professional experience units offer comprehensive practical learning.
- During the professional experience component you are supervised and assessed by an experienced classroom teacher who acts as a mentor. This practical experience enables you to develop a long-term relationship with your allocated school community.
- Macquarie is a leader in education research, giving you access to the latest techniques and tools to start your career.

What you can study
- approaches to teaching literacy and numeracy
- classroom management strategies and techniques
- contemporary approaches to assessment and reporting
- curriculum development and implementation
- factors affecting human development and learning
- historical, social and policy context of education
- how to develop and implement quality learning experiences
- strategies for addressing the diverse needs of students

Career options
- primary teacher
- community development educational planning advocate
- corporate educational services consultant
- government researcher, adviser, or policy program writer
- training agency consultant

Recommended prior knowledge
A degree from a recognised university. You will have your previous studies assessed against the Board of Studies, Teaching and Educational Standards Key Learning Area content requirements by UAC and the University. It is recommended that you consult the Board of Studies, Teaching and Educational Standards website to assess your eligibility before applying.

Enquiries
Human Sciences Student Centre
T: (02) 9850 9898
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BEdPrim

Accreditation
Graduates are eligible for accreditation to teach in government and non-government schools. This degree is recognised nationally and internationally by education providers.
Education – Secondary

Pathways to secondary teaching

- Bachelor of Arts with Bachelor of Education (Secondary)
  - 4 YEARS
  - OR

- Bachelor of Science with Bachelor of Education (Secondary)
  - 4 YEARS

Graduate pathways to secondary teaching

- Bachelor of Education (Secondary)1
  - 2 YEARS

KEY

1 Credit for previous study is available if you have completed TAFE study in the Diploma of Children’s Services
2 Applicants must hold a bachelor degree from a recognised university. Bachelor of Education (Secondary) applicants will have their previous studies assessed against the Board of Studies, Teaching and Educational Standard’s Key Learning Area content requirements. Consult the Board of Studies, Teaching and Educational Standard’s website to assess your eligibility before applying. Subject content requirements for teaching and self assessment pro-formas are available at nswteachers.nsw.edu.au/Teaching-in-NSW/Subject-Content-Requirements-abridged
Bachelor of Arts
with Bachelor of Education (Secondary)

This double degree provides a pathway to secondary school teaching.

Description
Teacher education is a University-wide program, with integrated academic, educational and professional studies. You can undertake preparation for secondary teaching in business studies, economics, English, geography, history, languages, mathematics and science as first teaching subjects.

Key features
• This degree offers an academic, research-based approach to teacher education.
• Its emphasis is on the development of scholar teachers, combining your discipline-based studies with your study of education. You will then graduate as a professional who is flexible, responsive to academic needs, venturesome and confident.
• In years three and four you will complete academic studies alongside professional units. This allows for the integration of theory and practice.
• During the professional experience component you are supervised and assessed by an experienced classroom teacher who acts as a mentor. This practical experience enables you to develop a long-term relationship with your allocated school community.

What you can study
• approaches to teaching literacy and numeracy
• classroom management strategies and techniques
• contemporary approaches to assessment and reporting
• curriculum development and implementation
• factors affecting human development and learning
• historical, social and policy context of education
• how to develop and implement quality learning experiences
• strategies for addressing the diverse needs of students

Career options
• secondary teacher
• educator and trainer of adults
• educational adviser to government or other agencies
• educational policy planner
• educational researcher

Recommended prior knowledge
You are required to have a minimum Band 4 (or equivalent) in HSC English. If this standard is not reached on entry, you must complete a unit of study in the relevant areas before graduation.
Bachelor of Science with Bachelor of Education (Secondary)

This double degree prepares you to become a qualified secondary teacher specialising in a science-related discipline area, including mathematics. There is a high demand for teachers in these fields and a Macquarie degree will prepare you to excel.

Description
Depending on the program of study you choose, you can qualify as a secondary geography, science or mathematics teacher. You will study with academics in the Faculty of Science, giving you expert knowledge in your field. Your education studies focus on developing your knowledge of teaching and learning methodologies as well as giving you extensive professional experience so you can graduate confident to enter the workforce.

This degree can also prepare you for a career in associated fields such as curriculum development, educational planning, educational research and policy development.

Key features
- You have the opportunity to take education units concurrently with science studies.
- This degree offers an academic, research-based approach to teacher education.
- Its emphasis is on the development of scholar teachers, combining your discipline-based studies with your study of education. You will then graduate as a professional who is flexible, responsive to academic needs, venturesome and confident.
- School-based professional experience units offer comprehensive practical learning.
- During the professional experience component you are supervised and assessed by an experienced classroom teacher who acts as a mentor. This practical experience enables you to develop a long-term relationship with your allocated school community.
- Macquarie is a leader in education research, giving you access to the latest techniques and tools to start your career.

What you can study
- approaches to teaching literacy and numeracy
- classroom management strategies and techniques
- contemporary approaches to assessment and reporting
- curriculum development and implementation
- factors affecting human development and learning
- historical, social and policy context of education
- how to develop and implement quality learning experiences
- strategies for addressing the diverse needs of students
- understandings and skills in disciplines such as science, mathematics and geography

Career options
- secondary teacher
- corporate educational services researcher
- educational adviser
- educator and trainer of adults
- educational planning and policy researcher/writer
- science-related education consultant

Recommended prior knowledge
You are required to have a minimum Band 4 (or equivalent) in HSC English. If this standard is not reached on entry, you must complete a unit of study in the relevant areas before graduation.
Bachelor of Education (Secondary)

This degree is suitable for students who already have an undergraduate degree and want to proceed to secondary teaching.

Description
This degree is for graduates who hold a recognised bachelor degree or equivalent, and provides a professional high school secondary teaching qualification. The bachelor degree or equivalent must contain an appropriate academic major (or at least six undergraduate units of study) relevant to the following areas: economics and/or business studies, English, geography, history, languages, mathematics and/or science. The program can be completed in two years full-time after automatic credit for previous studies is granted.

Key features
• This degree includes an academic strand comprising units in education, and a professional strand comprising units in curriculum, methodology and supervised school experience.
• School-based professional experience units offer comprehensive practical learning.
• During the professional experience component you are supervised and assessed by an experienced classroom teacher who acts as a mentor. This practical experience enables you to develop a long-term relationship with your allocated school community.
• Macquarie is a leader in education research, giving you access to the latest techniques and tools to start your career.

What you can study
• approaches to the teaching of literacy and numeracy
• classroom management strategies and techniques
• contemporary approaches to assessment and reporting
• curriculum development and implementation
• education for diversity
• factors affecting human development and learning
• historical, social and policy context of education
• gender and social development
• global education
• how to develop and implement quality learning experiences
• strategies for addressing the diverse needs of students

Career options
• secondary teacher
• corporate educational services consultant
• educational planning advocate
• education officer within a range of public and private institutions
• government researcher, adviser or policy writer
• training agency consultant

Recommended prior knowledge
A degree from a recognised university. You will have your previous studies assessed against the Board of Studies, Teaching and Educational Standards Key Learning Area content requirements by UAC and the University. It is recommended that you consult the Board of Studies, Teaching and Educational Standards website to assess your eligibility before applying.
Macquarie is the place to be for health. We are investing heavily in your future through the Macquarie University Hospital, the Australian School of Advanced Medicine and the Australian Hearing Hub. Our degrees offer you employment opportunities in health and community work, health policy and promotion, health education research and management. They may also give you the academic background for postgraduate study in a number of areas such as audiology, physiotherapy, speech pathology and public health. As a Macquarie graduate you will possess skills that will allow you to help drive innovation and improve the lives of people with various health conditions.

3 REASONS TO CHOOSE HEALTH PROFESSIONS AT MACQUARIE

1. You have the opportunity to be part of a fast growing, skilled industry
2. A Macquarie degree in the health professions can give you the skills to make a real difference in the lives of communities, groups and individuals
3. We are connected with industry and community partners to give you a work-related placement as part of your degree
Health professions
Bachelor of Human Sciences pathways

Bachelor of Human Sciences
3 YEARS

Community Services major
- Support coordinator
- Case manager
- Community care manager
- Community health advocate

Public Health: Policy and Promotion major
- Health policy planner/administrator
- Health advocate, promoter or educator
- Health program manager
- Health researcher

Human Movement major
- Health advocate, promoter or educator
- Rehabilitation/disability coordinator
- Case manager
- Health researcher

Doctor of Physiotherapy
3 YEARS
Physiotherapist

Further postgraduate study
Allied health professional eg audiologist

KEY
1 Completion of at least a bachelor degree with a GPA above 2.5 and with at least one tertiary unit in:
   - Human anatomy (musculoskeletal and system)
   - Human physiology (cell and system)
   - Biomechanics
   - Exercise physiology
   - Motor learning and performance
   - Psychology
   - Research methods

2 The following tertiary level subjects are desired prerequisite knowledge:
   - Neuroscience
   - Pathophysiology
   - Pharmacology

3 Subject to accreditation of the Doctor of Physiotherapy program by the Australian Physiotherapy Council
4 Subject to course acceptance requirements
Bachelor of Human Sciences

This degree provides the undergraduate background for professional practice or a pre-professional role in allied health.

Description
This degree prepares you for work in fields relevant to health and community services. It provides the required academic background for postgraduate study in physiotherapy and audiology, and employment opportunities in areas where skills in public health policy, promotion and education, community-based care and disability services, are needed. You will learn to integrate knowledge about factors affecting human health and wellbeing from a variety of disciplines including biology, economics, linguistics, politics, psychology, sociology and other social and environmental sciences.

Three majors are available for 2015. In the Community Services major you will gain an interdisciplinary view of health, social policy, psychology and human services. In the Human Movement major you will develop discipline-specific knowledge and skills relating to factors affecting human health, including biology and psychology, with a focus on the areas that provide a discipline background for postgraduate study in physiotherapy. In the Public Health: Policy and Promotion major you learn how health policy is developed and how health promotion is conducted in local and global settings. Additional majors will be introduced beyond 2015.

You can also choose a second major from any area across the University or you can augment your studies with relevant electives.

Key features
- You will learn to use scientific inquiry to critically assess issues and needs and to translate your knowledge into actions to support human health and wellbeing.
- You will learn communication, ethics and complex decision-making skills.
- You will develop an understanding of the bio-psycho-social dimensions of health within a complex global environment.
- You will have opportunities to engage in industry-based learning.
- Completion of this degree with the major in Human Movement satisfies the academic requirements for admission to Macquarie’s postgraduate physiotherapy program. This is a competitive-entry degree.

What you can study
All students complete the same general program, but individual options are available, which allow you to concentrate on one of the following areas of study:

- anatomy and physiology
- anthropology
- biology
- care and human services
- child development
- communication
- demography
- epidemiology
- ethics and law
- health promotion
- health studies
- human geography
- introduction to psychology
- legal, ethical and policy directions in health
- public health policy
- social policy
- sociology
- statistics
- health promoter and educator
- community development worker
- international aid and development worker
- community care manager
- health and social researcher
- health and community program manager
- social advocate

Career options

Double degrees
This degree can be undertaken with the following:
- Bachelor of Arts – Psychology which equips you for a variety of health-related occupations such as health promotion, policy, planning and research
- Bachelor of Psychology (Honours) which equips you with an understanding of allied health, public health and community services, and the academic background for postgraduate study in physiotherapy and audiology

Enquiries
Human Sciences
Student Centre
T: (02) 9850 9898
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BhumanSc
As a student at Macquarie you’ll study on a campus that is home to the new Australian Hearing Hub, which brings together some of the country’s best researchers and service providers to advance research, education and innovation into understanding human speech, hearing and language. The Australian Hearing Hub offers you the unique opportunity to work alongside experts in the industry providing an unrivalled learning experience. It also enables graduates and researchers to drive innovation and improve the lives of people with speech, hearing and language disorders.

3 REASONS TO CHOOSE LINGUISTICS, SPEECH AND HEARING AT MACQUARIE

1. We are the only university in New South Wales to offer a professionally accredited degree in audiology

2. The Bachelor of Speech, Hearing and Language Sciences leads to careers in speech and language pathology, audiology, TESOL, editing and publishing, and speech/hearing research and development

3. Macquarie is ranked among the top 50 universities in the world for linguistics in the QS World University Rankings 2013
Linguistics, speech and hearing
Bachelor of Speech, Hearing and Language Sciences

Bachelor of Speech, Hearing and Language Sciences
3 YEARS

Master of Clinical Audiology

Master of Speech and Language Pathology

Graduate Certificate of TESOL

Master of Research + PhD

Audiologist

Speech pathologist

English language teacher

Speech researcher

KEY

1 Master of Clinical Audiology is professionally accredited by Audiology Australia. Audiology is the health care profession that is dedicated to the identification, prevention and treatment of hearing and balance disorders

2 Master of Speech and Language Pathology is professionally accredited by Speech Pathology Australia
Bachelor of Speech, Hearing and Language Sciences

This degree focuses on specific areas of speech, hearing and language sciences, and includes units in linguistics, psychology and biology.

Description
Speech, hearing and language sciences, as well as being areas of study in their own right, form the basic preparatory studies for a number of professions ranging from clinical work in audiology and speech language pathology to involvement in speech, hearing and language research, and the development of associated technologies. As a graduate of this degree, you will have a solid grounding that can also take you into areas such as TESOL or editing and publishing.

You can choose from a wide range of electives either as companion units to speech, hearing and language, or units of individual interest.

Key features
- This degree focuses on the many aspects of the production and perception of spoken language, such as the way we produce speech sounds using the vocal apparatus, the way the ear responds or sometimes fails to respond to different kinds of sound, how languages differ in the way they use speech sounds, and how computers can be used in speech analysis.
- In preparation for a career as a speech language pathologist or audiologist, this degree forms a pathway into the clinical masters degrees offered by Macquarie.
- This degree is also a valuable pathway to a career in speech/hearing research, speech technology, TESOL, and editing and publishing.

What you can study
All students complete the same general program, but individual options are available which allow you to concentrate on one of the following areas of study:
- audiology
- speech language pathology
- speech research

Career options
- audiologist
- speech language pathologist
- speech researcher
- speech technologist
- teacher of English as a second or other language (TESOL)
- editor or publisher

Recommended prior knowledge
No compulsory first-year units require any assumed knowledge, prerequisites or recommended studies. Some optional additional units might have assumed knowledge or prerequisites, but these requirements do not affect the majority of students in this degree. For more information about other units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au
Psychology

When you study psychology at Macquarie you will do so alongside some of the best. We offer a broad, holistic, interdisciplinary approach to learning and thinking – an approach that better prepares you for life and your career. We’re home to first-class minds as well as first-class facilities which include a state-of-the-art simulation centre, eight-camera motion capture laboratory, purpose-built psychology clinics and clinical skills training centre, perception lab and neuropharmacology labs. Our research in psychology and cognitive sciences is helping thousands living with autism, dementia, dyslexia and schizophrenia.

3 REASONS TO CHOOSE PSYCHOLOGY AT MACQUARIE

1. Our psychology degrees enjoy highly competitive entry, and our award-winning teachers are also internationally respected researchers
2. You will have opportunities for hands-on learning and research
3. Macquarie hosts the renowned Centre of Excellence in Cognition and its Disorders, and our Centre for Emotional Health is doing ground-breaking work in anxiety disorders
Pathways to registration

Registration as a psychologist is currently achieved through the Psychology Board of Australia. Pathways are subject to changes in national registration.

**Psychological Science major in:**
- Bachelor of Arts or Bachelor of Science
  - 3 YEARS

**Registration as a psychologist**
- 75.00 ATAR¹

**Psychology**

**Entry-level options**

- 83.00, 83.20 ATAR¹
- Internal transfer

**Bachelor of Arts – Psychology**¹
- or
**Bachelor of Science – Psychology**¹
- 3 YEARS

- 94.20 ATAR¹
- Internal transfer

**Bachelor of Psychology (Honours)**²
- 3 YEARS

**Graduate Diploma of Professional Psychology**²
- 1+1 YEARS+

**Registered Psychologist**

**Master of Clinical Neuropsychology**¹
- Master of Clinical Psychology¹
- Master of Organisational Psychology¹
- 2+2 YEARS++

**Endorsed Psychologist**

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**KEY**

¹ ATAR cut-offs based on January 2014 offers
² These degrees are accredited by the Australian Psychology Accreditation Council and allow students to progress towards registration as psychologists.
³ This degree is accredited with conditions by the Australian Psychology Accreditation Council and allows students to progress towards registration as psychologist.
⁴ Transfer rules apply
⁺ One-year postgraduate study plus one-year external practical experience
++ Two-years postgraduate study plus two years supervised practice
º Continuation of the honours year is subject to meeting honours requirements
Double your prospects with our double degrees

The prestigious Bachelor of Psychology (Honours) can be undertaken as a stand-alone degree or as a double degree with business administration, commerce, human sciences or law.

Macquarie is the only university in Australia to offer double degrees that integrate honours in psychology, and we are the only university to guarantee all students who achieve the criteria for admission into the honours' year a place in the program. Undertaking one of these double degrees provides you with many advantages. You’ll be able to combine your interests across two different fields, which provides you with a richer education, and you'll gain a broad range of complementary skills. Also, having skills in multiple fields makes you more competitive. Demonstrating to employers that you’re able to integrate different disciplines and traverse industries increases your career prospects as well as your career flexibility.

The Bachelor of Psychology (Honours) can be undertaken with the following degrees:

**Bachelor of Business Administration** which allows you to develop ethical awareness, analytical, social, and personal capabilities to become a global business professional

**Bachelor of Commerce** which equips you with a comprehensive range of business skills and knowledge through flexible unit choice across a variety of business and commerce disciplines

**Bachelor of Human Sciences** which equips you with an understanding of allied health, public health and community services, and the academic background for postgraduate study in physiotherapy and audiology

**Bachelor of Laws** which allows you to pursue a career in psychology as well as in law, where your psychology studies allow you to specialise in your work as a legal practitioner.
Bachelor of Psychology (Honours)

This prestigious degree is highly respected and prepares you for entry into the psychology profession or higher degree research training.

Description
This degree involves three years of accredited undergraduate study, followed by an honours year in which you complete a research thesis and advanced coursework units in psychology.

At Macquarie you can specialise in a range of fields such as clinical psychology, neuropsychology, organisational psychology, perception and social psychology.

A further two years of postgraduate training or supervised experience is required for registration as a psychologist (subject to proposed changes to national registration). Alternatively, many students choose to pursue further studies in higher degree research.

Key features
- This is one of Macquarie's most prestigious degrees.
- It is a highly structured, accredited program with most graduates becoming specialists in their field, either as professional psychologists or in academic research.
- Honours students are aligned with world-class research supervisors.
- Your third year contains a capstone unit which integrates the main features of your earlier studies and provides the opportunity to gain relevant workplace experience through PACE (Professional and Community Engagement) in a community setting that is relevant to psychology.

What you can study
- biopsychology and learning
- cognitive processes
- developmental psychology
- principles of psychological assessment
- psychological science
- research methods in psychology
- social and personality psychology

Career options
- psychologist
- criminology researcher
- educational researcher
- health department researcher
- human resources consultant
- training consultant
- university academic

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. To be eligible for the honours year you must meet specific entry requirements.

Double degrees
This degree can be undertaken with the following:
- Bachelor of Business Administration which allows you to develop ethical awareness, analytical, social, and personal capabilities to become a global business professional
- Bachelor of Commerce which equips you with a comprehensive range of business skills and knowledge through flexible unit choice across a variety of business and commerce disciplines
- Bachelor of Human Sciences which equips you with an understanding of allied health, public health and community services, and the academic background for postgraduate study in physiotherapy and audiology
- Bachelor of Laws which allows you to pursue a career in psychology as well as in law, where your psychology studies allow you to specialise in your work as a legal practitioner

Registration as a psychologist
This degree enables you to progress towards registration as a psychologist. Macquarie offers two postgraduate pathways:
- One-year Graduate Diploma of Professional Psychology that assists fourth-year psychology graduates to gain the necessary theoretical and practical training to meet the requirements for registration
- Two-year Master of Clinical Psychology, Clinical Neuropsychology or Organisational Psychology

Enquiries
Human Sciences
Student Centre
T: (02) 9850 9898
ask.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BPsychHons

Accreditation
This degree is accredited by the Australian Psychology Accreditation Council (APAC), which enables you to pursue further study in the profession of psychology or a research degree.
Bachelor of Arts – Psychology

This degree provides a firm grounding in practical and theoretical research techniques. It explores the connections between behaviour and mental processes.

Description
Psychology training in Australia requires four years of undergraduate study followed by either a supervised internship or postgraduate study.

The first year of this degree provides exposure to a wide range of fundamental psychological concepts. Second and third year provides more specialised units that include child psychology, neuropsychology, personality and psychopathology.

Key features
- One of Macquarie’s largest undergraduate programs, this degree provides an excellent foundation for those who wish to pursue a career as a psychologist.
- This degree’s flexibility allows you to study psychology as well as units from across the University.
- Skills gained in the collection, evaluation and critical analysis of data will enhance employment opportunities in all fields and industries.
- You can also undertake humanities-oriented units as electives, or complete an additional major as part of your degree.
- Your third year contains a capstone unit which integrates the main features of your earlier studies and provides the opportunity to gain relevant workplace experience through PACE (Professional and Community Engagement) in a community setting that is relevant to psychology.

What you can study
- biopsychology and learning
- cognitive processes
- design and statistics
- developmental psychology
- perception
- principles of psychological assessment
- social and personality psychology
- psychological science

Career options
- health department researcher
- social welfare worker
- social policymaker
- market researcher
- human resources consultant
- market researcher
- human resources consultant

What you can study
- perception
- principles of psychological assessment
- social and personality psychology

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. To be eligible for the honours year you must meet specific entry requirements.

Registration as a psychologist
An honours year or equivalent and a further two years postgraduate training or supervised experience. Students who wish to proceed with honours in psychology must transfer to the Bachelor of Psychology (Honours) before the end of this degree, subject to meeting transfer requirements. Admission to the honours year has further eligibility criteria.

Double degrees
This degree can be undertaken with the following:
- Bachelor of Business Administration which equips you with knowledge about how businesses operate, as well as an understanding of how people within businesses operate
- Bachelor of Commerce which equips you with a comprehensive understanding of commerce and business functions, and a range of fundamental psychological concepts that will help you understand how people think, act and feel
- Bachelor of Human Sciences which equips you for a variety of health-related occupations such as health promotion, policy, planning and research
- Bachelor of Laws which equips you with an understanding of psychology, cognitive processes, and psychological assessment, as well as knowledge of legal principles
Bachelor of Science – Psychology

This degree provides a firm grounding in practical and theoretical research techniques. It explores the biology of behaviour and the human mind.

Description
Psychology training in Australia requires four years of undergraduate study followed by either a supervised internship or postgraduate study.

The first year of this degree provides exposure to a wide range of fundamental psychological concepts. Second and third year provides more specialised units that include child psychology, neuropsychology, personality and psychopathology.

Through this degree you can undertake a range of electives in science, which with your psychology studies, can lead to a range of fascinating careers.

Key features
- One of Macquarie’s largest undergraduate programs, this degree provides an excellent foundation for those who wish to pursue a career as a psychologist.
- A focus on learning how psychological practice and theory are deeply rooted in scientific evidence and how that evidence is obtained through research underpins this degree.
- Skills gained in the collection, evaluation and critical analysis of data will enhance employment opportunities in all fields and industries.
- If you do not want to become a psychologist, this degree provides knowledge of psychological principles and useful training in psychology for careers requiring an understanding of human behaviour.
- Your third year contains a capstone unit which integrates the main features of your earlier studies and provides the opportunity to gain relevant workplace experience through PACE (Professional and Community Engagement) in a community setting that is relevant to psychology.

What you can study
- biopsychology and learning
- cognitive processes
- developmental psychology
- perception
- principles of psychological assessment
- psychological science
- social and personality psychology

Career options
- health department researcher
- social welfare worker
- social policymaker
- market researcher
- human resources consultant

This degree also provides the basis for further studies where you can gain specialised vocational training in the professional practice of psychology such as clinical, forensic or organisational psychology, clinical neuropsychology, counselling, health and community psychology, and research.

Recommended prior knowledge
No specific entry requirements are necessary, however HSC Mathematics is recommended. To be eligible for the honours year you must meet specific entry requirements.

Registration as a psychologist
An honours year or equivalent and a further two years postgraduate training or supervised experience. Students who wish to proceed with honours in psychology must transfer to the Bachelor of Psychology (Honours) before the end of this degree, subject to meeting transfer requirements. Admission to the honours year has further eligibility criteria.
Faculty of Science
As a student within the Faculty of Science you will be exposed to a dynamic learning environment featuring a broad range of degrees in some of today’s most exciting and topical subject areas. Our degrees provide career opportunities in fields as diverse as biology, engineering, environmental sciences, information technology and medical sciences. You will have access to outstanding teaching laboratories and instrumentation that provides hands-on experience of the highest calibre. You will also benefit from our close links with industry partners such as Optus, Cochlear Ltd and IBM, which provide opportunities for internships and project collaborations. The Faculty’s world-leading research also feeds into our teaching, giving you a superb learning experience.
Earth and environmental science

Environmental resource management has become one of the issues of our time and demand for top-quality environmental scientists is high. Our commitment to first-class interdisciplinary research has placed us at the forefront of Earth and environmental science study, both in Australia and internationally. We are home to many world-renowned researchers and academics, so at Macquarie you study with people who are using their knowledge to make an impact on today’s environmental issues. Our degrees give you the skills to make practical, positive change in areas like conservation, resource management, sustainability, development and planning.

3 REASONS TO CHOOSE EARTH AND ENVIRONMENTAL SCIENCE AT MACQUARIE

1. We offer opportunities for you to develop field skills complemented by laboratory training and professional experience

2. The demand for highly qualified Earth and environmental scientists provides you with fantastic career opportunities

3. Our holistic approach means you’re able to combine science with an understanding of social, political and human impacts
Bachelor of Biodiversity and Conservation

This broad and flexible degree combines biology with environmental and conservation management, providing a unique program of study.

Description
This degree provides knowledge and skills in the broad range of disciplines that provide the foundation for biodiversity and conservation management, particularly in the Australian context. It combines fundamental units of plant and animal sciences, genetics, evolution and ecology with environmental and conservation management in a unique combination of subjects.
You will develop a broad understanding of environmental processes as well as research and professional skills for application in the management and conservation of biological resources.
This degree draws on Macquarie’s exceptional research strength in ecology and environment, and our commitment to high-quality teaching.

Key features
- Macquarie is the only university in New South Wales to offer a degree focused on conservation biology.
- This degree has a strong research focus, with all units containing significant proportions of research material.
- It has an emphasis on laboratory and field-based practical components.
- You have the flexibility to construct a specific program of study tailored to your intended professional career.
- Leading international researchers and active conservation practitioners give guest lectures and conduct practicals.
- Links to industry and natural resource managers are facilitated through programs such as PACE (Professional and Community Engagement).

What you can study
- animal behaviour
- conservation and evolutionary genetics
- ecology and evolution
- environmental plant physiology
- invertebrate zoology
- marine ecology
- marine birds and mammals
- plant biology
- vertebrate zoology

Career options
- biodiversity informatics adviser
- bio-prospector (eg for new pharmaceuticals)
- conservation policy maker
- environmental assessor
- environmental consultant
- land manager
- natural resource manager
- research scientist
- wildlife manager
- zoo captive breeding programs manager

Recommended prior knowledge
HSC Mathematics and Chemistry are recommended studies for biology units. HSC Earth and Environmental Science and HSC Biology or their equivalents are also recommended. Introductory units and bridging courses are available if you don’t have the recommended prior knowledge. For information on units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au
Bachelor of Environment

This degree offers you the opportunity to study across both social and scientific aspects of the environmental field.

Description

This degree introduces environmental issues and details the science and technology associated with environmental science. It also explores the legal, political, ethical and economic aspects in relation to the environment and people’s perceptions and desires in tackling environmental issues in the real world.

The degree ensures a solid grounding in one of six science majors: Biology, Chemistry, Climate Science, Environmental Earth Science, Environmental Geology and Spatial Information Science, plus specialist knowledge and skills in environmental management.

Key features

• You will gain valuable skills relating to resource management and environmental management.
• Field skills are developed in a range of natural resource environments complemented by laboratory training and professional exposure.
• There is the option to undertake a double degree with the Bachelor of Laws for those interested in the environment in a legal context.

What you can study

Complete one of the following:

• Environmental Management specialisation: Concentrates on the major in Environmental Management in combination with a minor in one of six science areas (Biology, Chemistry, Climate Science, Environmental Earth Science, Environmental Geology or Spatial Information Science).
• Environmental Management and Environmental Science specialisation (double major): Allows you to combine a major in Environmental Management with a major in one of six science areas (Biology, Chemistry, Climate Science, Environmental Earth Science, Environmental Geology or Spatial Information Science).
• Environmental Science specialisation: Concentrates on a major in natural science from one of the following (Biology, Chemistry, Climate Science, Environmental Earth Science, Environmental Geology or Spatial Information Science) combined with a minor in Environmental Management.

Career options

• environmental and resource manager
• environmental consultant
• environmental educator
• environmental policy maker

Recommended prior knowledge

HSC Biology, Earth and Environmental Science, Geography or their equivalents are recommended. Introductory units and bridging courses are available if you don’t have the recommended prior knowledge. For information on units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Double degree

This degree can be undertaken with the following:

• Bachelor of Laws which is suitable for those with an interest in the environment in a legal context

Enquiries

Science Student Centre
T: (02) 9850 6000
F: (02) 9850 6565
ask.mq.edu.au
envirogeog.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BEnv

84.00
PREVIOUS YEARS’ ATAR CUT OFF

300516
UAC CODE

3 YEARS FULL-TIME/ EQUIVALENT PART-TIME
Bachelor of Marine Science

This degree provides the skills, knowledge and fieldwork needed to regulate and monitor the use of marine resources, to solve problems and conduct research.

Description

Marine scientists work on the conservation, use and development of the marine and coastal environment. Opportunities in marine science are growing rapidly due to increasing concerns over the protection and the sustainable use of our natural resources.

This degree offers a multidisciplinary program of core units to enhance your breadth of knowledge across marine biology and geosciences. Aside from fundamental knowledge in biological and environmental sciences, you will gain relevant core skills in statistical analysis, report writing and project planning.

The degree’s flexibility allows you to focus on marine geosciences or marine biology, according to your interests, as well as new directions in the marine sector.

Key features

- The strong science foundation underpinning this degree provides a wide range of opportunities in both environmental and ecological-related marine science employment fields.
- Its flexible approach allows you to explore a wide range of interests while still focusing on aspects of marine science related to biology, ecology, geology and physical geography.
- Fieldwork is integral and includes optional short courses on the Great Barrier Reef.

What you can study

- animal behaviour
- biodiversity and conservation
- climate change
- ecology
- genetics and molecular science
- GIS (geographic information systems)
- marine biology
- marine geoscience
- marine palaeontology
- exploration geologist
- journalist
- marine geologist
- marine palaeontologist
- marine tourism guide
- palaeoceanographer
- petroleum geologist
- geophysicist
- satellite imagery specialist
- teacher and researcher
- underwater archaeologist

Career options

- aquaculture/mariculture specialist
- coastal manager
- computer-based ecological modeller
- environmental consultant
- exploration geologist
- marine geologist
- marine palaeontologist
- marine tourism guide
- palaeoceanographer
- petroleum geologist
- geophysicist
- satellite imagery specialist
- teacher and researcher
- underwater archaeologist

Recommended prior knowledge

HSC Mathematics and Chemistry are recommended studies for biology, geology and environmental science units. HSC Earth and Environmental Science and HSC Biology or their equivalents are also recommended. Introductory units and bridging courses are available if you don’t have the recommended prior knowledge. For information on units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au
Bachelor of Planning

This is the Sydney region’s first undergraduate planning degree with a strong interdisciplinary social and environmental focus.

Description
This degree addresses a significant gap in planning education in Sydney. Its interdisciplinary social and environmental orientation to planning gives Macquarie graduates a distinctive edge compared to more traditional programs that focus on urban design and architecture. You will explore planning issues and practices in Australia and beyond.

The degree, which includes a core set of prescribed units, is taught by teachers with a strong research profile in the fields of urban studies, climate change, risk management and sustainability in urban settings.

Key features
- This degree builds on Macquarie’s strengths in urban studies and environmental management.
- Cultural, economic, environmental and social dimensions of planning are integrated with urban management.
- Its development studies options offer you access to experience in rapid urban development in the Asia-pacific region.
- It includes a compulsory work placement in fourth year.
- Opportunities to explore planning issues overseas are also available as part of PACE (Professional and Community Engagement).
- The degree is accredited by Planning Institute Australia

What you can study
- decision making and policy
- development studies
- environmental sciences
- histories and philosophies of planning
- planning relevant research
- plans, plan making and the legislative context
- population studies
- professional communication skills
- project design/management
- social and environmental impact assessment
- strategic planning
- team work
- urban and regional structures and development processes

Career options
- local government planner
- and development assessor
- social or environmental consultant
- strategic planner

Recommended prior knowledge
First-year units do not require any assumed knowledge, prerequisites or recommended studies.
For information about other units that may require assumed knowledge, prerequisites or recommended studies visit: handbook.mq.edu.au

Enquiries
Science Student Centre
T: (02) 9850 6000
F: (02) 9850 6565
ask.mq.edu.au
envirogeog.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BPlan

Accreditation
The degree is accredited by the Planning Institute of Australia.
Engineering

Our engineering programs combine a strong research-based curriculum with practical skills acquisition and industry exposure. Our programs offer a flexible first year, providing you with a solid background in electronic, mechanical and software engineering before you choose a speciality according to your interests and career goals. We have working partnerships with many of the global high-tech companies neighbouring our campus, offering you access to valuable internships and work placements.

3 REASONS TO CHOOSE ENGINEERING AT MACQUARIE

1. We offer a wide range of study options with a focus on practical applications that reflect the combination of knowledge and skills your future employers require

2. Our partnerships with global companies mean valuable internships, work placements and scholarships – you will work on a 12-week minimum industry-based final-year project to help ensure that you graduate as a work-ready, connected engineering professional

3. We offer a strong, practical and supportive mentoring network to all students – fellow students and recent graduates are on hand to guide and assist you through your studies
Bachelor of Engineering

This flexible degree has a strong focus on practical learning, which is enhanced by a campus located in one of Australia’s leading high-technology precincts.

Description
This degree is a comprehensive four-year professional program that prepares you to work as a professional engineer. It provides a strong foundation in basic sciences, mathematics and core areas of engineering. The degree is suitable for those interested in careers in electronics engineering, mechanical engineering and related fields; or the development of creative and practical technological solutions for the benefit of society.

Key features
• A core program of study for the first 12 months gives you a solid foundation in basic sciences.
• This degree focuses on industry experience culminating in a 12-week minimum final-year project.
• It can be combined with the Bachelors of Science, Arts or Commerce by adding just one more year of study.

Structure
The degree focuses on professional development and higher-level engineering skills that culminates in a final-year engineering project. A common program in the first 12 months provides a solid foundation in mathematics, physics, computing and core areas of engineering.

You may major in one or two areas or complete a second area of interest as a minor. Available majors include Computer Engineering, Electronics Engineering, Mechanical Engineering, Mechatronic Engineering, Software Engineering, Telecommunications Engineering and Wireless Engineering.

Career options
• automation and industrial instrumentation engineer
• business systems design manager
• computer design and manufacturing specialist
• computer, wireless and mobile telephone networking engineer
• electronics design and manufacturing specialist
• electronics design engineer
• engineering and technical manager
• engineering researcher
• electrical design engineer
• mechanical design engineer
• mechanical structure engineer
• packaging and industrial design engineer
• product design engineer
• project and technology manager
• radio frequency engineer
• telecommunications and networking engineer

Recommended prior knowledge
HSC Mathematics (Band 4) or its equivalent is a prerequisite for the standard first-year Engineering, Mathematics and Physics units. Introductory units and bridging courses are available if you do not have the recommended prior knowledge.

Although not essential, higher levels of HSC Mathematics and Physics or Chemistry, Engineering Studies, Senior Science, Information Processes and Technology and/or Software Design and Development or their equivalents provide excellent background knowledge.

For information on units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Double degrees
This degree can be undertaken with the following:
• Bachelor of Arts which equips you with highly developed communications, critical analysis and creative problem-solving skills while preparing you to work as an engineer
• Bachelor of Commerce which allows you to focus on specific commercial aspects of engineering such as economics, finance, human resources, international business and marketing, as you gain the skills to work as an engineer
• Bachelor of Science which enables you to broaden the scope of your technical studies and have that breadth recognised
Information technology

The information technology field is dynamic and demand for highly skilled IT graduates has never been greater. Our degrees are developed in consultation with industry and satisfy the standard for the professional level of the Australian Computer Society. We offer a flexible IT degree that gives you the opportunity to specialise in fields such as business information systems, software technology solutions, and web design and development.

3 REASONS TO CHOOSE INFORMATION TECHNOLOGY AT MACQUARIE

1. We have a flexible program with specialised study options in the disciplines that will drive the IT industry of tomorrow: information systems, software technology and web design

2. Our location in Australia’s high-tech precinct and our established partnerships with business, community and government provide multiple opportunities for you to network and connect with the IT industry

3. A strong emphasis is placed on communications and management of the IT function, ensuring you can work effectively across many areas of organisations and industries, and are the vital bridge between the technology and the people it serves
Bachelor of e-Business

This interdisciplinary degree qualifies you as a professional in e-Business – the application of information technology to support business activity over the internet.

Description
This degree covers the areas of both information technology (databases, information systems, networks, web technology) and business (accounting, economics, marketing). Graduates gain a comprehensive understanding of the information technology skills necessary for a wide range of business activities over the internet.

Key features
• You have the opportunity to complete a project in your final year in either e-commerce technologies or business information systems, where you work under both academic and industry supervision.
• As a graduate you will achieve the standard for the professional level of the Australian Computer Society, indicating to future employers that you have met the knowledge requirements for professional membership of the society.
• You will acquire a flexible range of skills and knowledge relevant to a number of occupations, ideal for this rapidly growing area where there is a high demand for professionals.

What you can study
• business administration
• computer networking
• computer programming
• databases
• e-commerce technology
• enterprise integration
• information technology and society
• information systems
• web technology

Career options
• business process consultant
• data warehousing specialist
• database design and administrator
• electronic commerce advisor
• end-user trainer
• networking and communication advisor
• programmer
• project manager
• systems analyst
• technology manager
• web designer

Recommended prior knowledge
HSC Information Processes and Technology and/or Software Design and Development are recommended studies. Introductory units are available if you don’t have the recommended prior knowledge. For information on units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Enquiries
Science Student Centre
T: (02) 9850 6000
F: (02) 9850 6565
ask.mq.edu.au
comp.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BeBUS

Accreditation
This degree satisfies the standard for the professional level of the Australian Computer Society.
Bachelor of Information Technology

This degree allows you to major in either business information, software technology or web design and development.

Description
With a major in Business Information Systems, this degree is suitable for those wanting to manage data, information and knowledge resources within an organisation.
With a major in Software Technology, this degree develops practical skills in information systems, programming and software engineering for a career in computer software development. Software technology is focused on studying algorithms, data structures and the principles of building quality software.
With a major in Web Design and Development, this degree delivers sound training in the latest web technologies, addressing both front-end and back-end aspects.

Key features
• You will undertake a project in your final year to practise your knowledge and skills in a software development life cycle.

What you can study
• algorithmics
• computer networks
• database technology

• e-commerce technology
• information systems for management

• knowledge systems
• programming
• web technology

Career options
• business analyst
• database administrator
• information technology consultant

• programmer
• project leader

• systems development manager
• web developer

Recommended prior knowledge
Information Processes and Technology and/or Software Design and Development or their equivalents are recommended studies for the Software Technology major, but are not essential.
For information on units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Double degree
This degree can be undertaken with the following:
• Bachelor of Laws which is suitable for those with an interest in the application of information technology methods and technologies in a legal context and in the legal issues raised by advances in information technologies in business and government

Enquiries
Science Student Centre
T: (02) 9850 6000
F: (02) 9850 6565
ask.mq.edu.au
comp.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BiT

Accreditation
This degree satisfies the standard for the professional level of the Australian Computer Society.
Bachelor of Information Technology
– Games Design and Development

This specialist degree equips you with the skills necessary to design and create video games and virtual worlds.

Description
This degree provides a thorough grounding in software design and development, equivalent to the Software Technology major of the standard Bachelor of Information Technology. It also includes specialist units in video games. Some of these cover practical applications of information technology development skills to game development projects. Others provide a critical approach to video games as designs and cultural media products.

As a graduate of this degree you will have developed programming and other information technology skills, allowing you to successfully contribute to games production projects. You will also have a deeper understanding of games, enabling you to create truly innovative designs.

Key features
- You study all aspects of video games – design, development and appreciation – while gaining broad programming and software engineering skills and knowledge.
- You undertake a final-year project in order to practise your knowledge which forms part of a portfolio that can be shown to potential employers.
- This is the only university degree available in video games in New South Wales which combines technical skills with a critical understanding of video games.

What you can study
- computer games technology
- computer graphics
- computer networks
- computer science
- critical games studies
- data communications
- data structures
- digital media production
- discrete mathematics
- games design
- knowledge systems
- modelling and animation
- object-oriented programming practices
- screenwriting
- software engineering
- sound, image and interactive media
- systems design and data management
- web technology

Career options
This degree prepares you for a career in games design and development. You will also be equipped with the skills necessary for a career in the more general software industry.

Recommended prior knowledge
HSC Mathematics is desired but not essential. Information Processes and Technology and/or Software Design and Development or their equivalents are recommended. Introductory units and bridging courses are available if you don’t have the recommended prior knowledge. For information on units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au
Medical sciences

Macquarie’s multi-million dollar investment in health on campus, which integrates education, research and clinical applications, has reinforced our position as a leader in health sciences. Our facilities for medical sciences study are considered some of the best on offer at a university in the Asia-Pacific region. A medical sciences degree from Macquarie can set you up for a range of careers in health or allied health fields, or provide a springboard into many exciting areas of medical research. Our resources and innovative approach are attracting some of the best students, researchers and health companies to Macquarie.

3 REASONS TO CHOOSE MEDICAL SCIENCES AT MACQUARIE

1. We offer internships and clinical placements so you can put your learning into practice
2. Our anatomy laboratories are world class
3. Our interdisciplinary approach provides you with a broad background of knowledge that is highly valued by employers
Bachelor of Chiropractic Science

This degree offers fundamental health science training, teaching a wide range of diagnostic and chiropractic manipulative skills in the context of anatomical, physiological and biomedical sciences.

Description
Chiropractic is one of the largest primary health professions today. Chiropractors recognise the importance of body structures and how they affect our health. They use a range of diagnostic tools including patient interviews, physical examination and X-rays. Using spinal adjustments, manipulation and other physical means, chiropractors aim to improve neuromusculoskeletal function and reduce associated pain.

This degree provides the prerequisite academic background to enable you to apply for entry into the Master of Chiropractic, which is required for professional registration within Australia.

Key features
- Macquarie's Bachelor of Chiropractic Science and Master of Chiropractic were the first professional chiropractic degrees to be offered by a public university in the world.
- Clinical placements form part of the degree, both in University-teaching clinics and structured visits to other facilities.
- Chiropractic facilities include best-practice teaching clinics and learning laboratories.
- You will have access to Macquarie's world-class anatomy laboratories.

What you can study
- anatomy and histology
- basic sciences:
  - biochemistry, biology,
  - chemistry and physics
- chiropractic science
- medical microbiology and pathology
- physiology
- research methodology

Career options
Once you graduate from both the Bachelor of Chiropractic Science and Master of Chiropractic you can practice as a chiropractor, or pursue a career in research and/or in academia.

Recommended prior knowledge
HSC Biology, Chemistry, Mathematics and Physics are recommended knowledge. Introductory units and bridging courses are available if you don’t have the recommended prior knowledge. Those with no HSC Chemistry, or Chemistry below Band 4, and minimal mathematics will be required to take at least one additional unit at first-year level. For full degree requirements visit handbook.mq.edu.au

Enquiries
Science Student Centre
T: (02) 9850 6000
F: (02) 9850 6565
ask.mq.edu.au
chiro.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BChiroSc

Accreditation and registration
To practice within Australia, graduates are required to be registered with the national registration board. To do so you need to complete both the Bachelor of Chiropractic Science (three years full-time) and Master of Chiropractic (two years full-time). Once both degrees are completed, you can then obtain a licence to practice as a chiropractic practitioner. The combined program has national and international recognition.
Bachelor of Medical Sciences

This interdisciplinary degree provides you with a broad background in the sciences needed for research in medical, biomedical and related health professions.

Description

This broad and flexible degree in the biological, chemical and biomolecular sciences provides a solid base for further study in medical and allied areas with a strong focus on research skills. In first year you study units designed to provide the foundations in the medical sciences. Core units include Biology, Chemistry, Physics and Statistics, with supporting units from Anatomy, Mathematics and Psychology also available. You build on these with core units in the second year aimed at enhancing your understanding of the functioning of the body, and through electives that include Biochemistry, Genetics, Medicinal Chemistry, Microbiology, Physiology and Psychology. These culminate in capstone units that align with your pathways in biomedical sciences, biomolecular sciences or medicinal chemistry.

Key features

- This degree offers a broad range of practical and applied sciences required in the medical, biomedical and related health services.
- It provides a solid background for postgraduate study in medical and allied health areas.
- Throughout your program you are supported and advised by academic mentors with expertise in the medical sciences.

What you can study

- anatomy
- biochemistry
- bioethics
- biostatistics
- cell and developmental biology
- developmental psychology
- human genetics
- medicinal chemistry
- medical microbiology
- molecular biology
- neuropsychology
- neuroscience
- parasitology
- physiology
- hospital scientist
- medical researcher
- pharmacologist
- postgraduate student in medicine, dentistry and pharmacy
- scientific officer with pharmaceutical, pathology and reproductive technology companies
- biotechnologist
- drug discovery and development researcher
- forensic scientist
- genetic counsellor
- health researcher
- histologist
- human genetics
- medicinal chemistry
- medical microbiology
- molecular biology
- neuropsychology
- neuroscience
- parasitology
- physiology
- hospital scientist
- medical researcher
- pharmacologist
- postgraduate student in medicine, dentistry and pharmacy
- scientific officer with pharmaceutical, pathology and reproductive technology companies

Career options

Recommended prior knowledge

HSC Chemistry and Mathematics are recommended knowledge. Introductory units and bridging courses are available if you don’t have the recommended prior knowledge. For information on units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

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bio.mq.edu.au

For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BMedScs

Accreditation

Graduates of the medicinal chemistry pathway can select units to qualify for membership of the Royal Australian Chemical Institute.
Macquarie is renowned for our expertise in science fields as diverse as astronomy, biology, chemistry, microbiology and physics. Our interdisciplinary approach is a hallmark of all Macquarie science graduates and is highly valued by employers. It’s one of the reasons we have strong ties to industry. Our science staff are recognised for their excellence in teaching and many are known internationally for their research, which ensures you are taught the most up-to-date scientific knowledge.

3 REASONS TO CHOOSE SCIENCE AT MACQUARIE

1. Our digital science laboratories are considered to be among the best in the Asia-Pacific region
2. You are taught by award-winning scientists, many of whom are also internationally recognised researchers
3. We offer a wide range of study options with a focus on practical learning that reflect the knowledge and skills that are highly valued by your future employers
Bachelor of Advanced Science
This degree is designed for gifted and talented students. It is an elite program with a strong research focus.

Description
This degree combines the flexibility of the Bachelor of Science with additional research-focused, small group units, and is designed to foster problem-solving skills and independent/critical thinking. It will expose you to cutting-edge research from your first year of study and give you the opportunity to study with Macquarie’s world-class researchers.

You will gain practical experience working in research laboratories and attend regular research-focused seminars and discussions with academic and research staff.

You also develop industry skills including technical writing and communication, technology management, and the use of modern instrumentation.

Key features
• This is an elite degree for very high-performing students.
• Special advanced units that are not available to other students form part of this degree.
• Student numbers are restricted, allowing personal attention including an academic mentor throughout the degree and direct contact with researchers.
• You will have the opportunity to take part in research and gain practical experience in research laboratories and research groups.
• Some majors offer a vacation research internship between your second and third years.

What you can study
In addition to the advanced units, you will choose a major from one of the following:
• Astronomy and Astrophysics
• Biology
• Biomolecular Sciences
• Chemistry
• Mathematics
• Palaeobiology
• Physics
• Software technology

Career options
You will have opportunities to participate in research throughout your degree and after you graduate. Depending on your chosen major, career options include:
• astronomical researcher
• biotechnology researcher
• drug discovery and development researcher
• environmental scientist
• financial analyst
• forensic scientist
• information technology specialist
• mathematician
• medical researcher
• patent assistant/examiner
• pharmaceutical researcher postgraduate study and research
• scientific researcher
• software engineer
• statistical analyst

Accreditation
Astronomy and Astrophysics
The Bachelor of Advanced Science in Astronomy and Astrophysics satisfies the accreditation criteria set out by the Australian Institute of Physics.

Chemistry
The Bachelor of Advanced Science in Chemistry satisfies the standards of the royal Australian Chemical Institute (rACI) for full membership of the learned society governing chemistry in Australia.

Mathematics
The Bachelor of Advanced Science in Mathematics is accredited by the Australian Mathematical Society.

Physics
The Bachelor of Advanced Science in Physics satisfies the accreditation criteria set out by the Australian Institute of Physics.
Major employers
- environmental protection authorities
- financial institutions
- government agencies, e.g. Departments of Defence, Environment, Climate Change and Water
- government laboratories, e.g. CSIRO
- hospital research bodies
- pharmaceutical and biotechnology companies such as Astra Zeneca, Novogen, Johnson & Johnson and Biotech
- research institutes and organisations
- science and technology organisations
- telecommunications firms
- universities
- utilities such as Telstra, AGL and electricity companies

Recommended prior knowledge
- Astronomy and Astrophysics: HSC Mathematics (Band 4) or its equivalent. Higher levels of mathematics and physics are strongly recommended.
- Biology: HSC Mathematics, Biology and one other science subject.
- Mathematics: HSC Mathematics Extension 1 (Band E3) or HSC Mathematics Extension 2 are prerequisites.
- Palaeobiology: No assumed prior knowledge required, although HSC Biology, Earth and Environmental Science and/or Chemistry or their equivalents are advantageous.
- Physics: HSC Mathematics (Band 4) or its equivalent. Higher levels of mathematics and physics are strongly recommended.
- Software Technology: Information Processes and Technology and/or Software Design and Development or their equivalents.

For information on units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au
Bachelor of Science

This degree offers the flexibility to construct a specific program of study tailored to your intended professional career.

Description
This degree allows you to major in a particular area of study and include units in other science or non-science areas. The major makes up around half the degree and will appear on your testamur. The remainder of the degree is open to choice but can include another major (double major) or a minor. This degree is suitable for those interested in science, and who are seeking a degree with flexibility, or those interested in combining the study of science with commerce, law or another field.

Key features
• This degree has a strong focus on practical work in the field and our laboratories to enhance development of skills and problem-solving abilities.
• You will use modern laboratories offering exposure to the latest instrumentation and tools.
• Teaching by internationally recognised researchers ensures up-to-date scientific knowledge.

What you can study
Study depends on your choice of major. Further information about majors is available on page 127.

Career options
• A number of options are available depending on your major and minor or double major, or whether you combine this degree with another.
• For more information on career options with a Bachelor of Science, see the career options section in each major.

Recommended prior knowledge
This is dependent on your choice of major. Introductory units and bridging courses are available if you don’t have the recommended prior knowledge. For information on units that may require assumed knowledge, prerequisites or recommended studies visit handbook.mq.edu.au

Double degrees
This degree can be undertaken with the following:
• Bachelor of Actuarial Studies with a major in either statistics or mathematics allows you to complete all the units required for exemption from parts 1 and 2 of the Actuaries Institute’s professional exams, while gaining a competitive set of specialist skills
• Bachelor of Arts which allows you to combine your interest in science with the creative and communications skills of arts
• Bachelor of Commerce which allows you to understand the intersection between technology industries and the fast-paced world of business and finance
• Bachelor of Education (Secondary) which allows you to choose from a number of science majors while becoming equipped to teach high school students
• Bachelor of Engineering which enables you to broaden the scope of your technical studies and have that knowledge recognised
• Bachelor of Laws which equips you with knowledge of scientific and legal principles while building problem-solving and critical thinking skills

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For further information about this degree, and profiles of our students and academics visit courses.mq.edu.au/BSc
Macquarie offers a range of interdisciplinary degrees which help you develop creative problem-solving skills, equip you with a global mindset, and give you skills employers seek – all things which will help you get a valuable headstart on your career. At the core of our curriculum is flexibility of choice to give you skills and knowledge to last a lifetime. Many Macquarie degrees contain majors, which bring together studies in a particular area. You can pick your major to suit your interests, broaden your studies or get industry-specific skills.
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Accounting
Study this major in the Bachelor of Business Leadership and Commerce or Bachelor of Commerce.

Description
Accounting is often referred to as the language of business, because without it, businesses would not be able to establish how much revenue was being collected from customers, whether suppliers were being paid or how the money in the business was being used. It is a vital tool for organisations to report and plan their direction.

Accountants are employed in all areas of commerce, not-for-profits and government. They are in demand worldwide, and undertake a range of activities including working with executive management to set direction for an organisation, analysing potential growth opportunities for new products and markets, developing management information systems to facilitate decision making and organisational control, as well as reporting on an organisation’s performance.

Key features
- You will study a set of broad, integrated foundation units to orient you to business, and then complete your major in accounting.
- You can undertake this major with a second major in another discipline or you can take more accounting units depending on your interests.

What you can study
- accounting
- accounting systems and processes
- auditing and assurance
- corporate accounting and reporting
- financial accounting
- financial management
- financial statement analysis
- information systems design and development
- management accounting
- quantitative methods

Career options
- accountant in private or public practice
- auditor
- chartered accountant
- financial analyst
- forensic accountant
- government accountant
- investment manager
- merchant banker
- superannuation adviser
- taxation consultant

Ancient History (Egypt and Near East)
Study this major in the Bachelor of Arts.

Description
This major offers comprehensive study of the history, society, religions, material culture and languages of Ancient Egypt and the Near East, covering a wide range of periods from Predynastic Egypt (c 3000 BCE) to the Near East and Late Antiquity, including the origins of Christianity and Judaism (c 600 BCE).

From Pharaohs, patriarchs and prophets to the farmers and artisans on which their worlds rested, study the personalities of this world and the events in which they participated.

Key features
- You will undertake the only comprehensive program in Egyptology in New South Wales.
- The scope of this major takes you from the rise of the Pharaohs in Egypt and the first civilisations in the Near East, through ancient Israel and the birth of Christianity, to its spread west and east into the new cultures, languages, and religions that arose in Coptic Egypt and the Late Antique Near East.
- A critical interdisciplinary approach includes the opportunity to participate in archaeological fieldwork in Egypt, learn the Egyptian language from hieroglyphs to Coptic, and study the languages of the ancient Near East such as Hebrew.
- You will gain knowledge, research and communication skills, as well as the capacity to engage in higher degree research on Egypt and the Near East.

What you can study
- archaeology
- Coptic art and religion
- early Christian literature and thought
- Egyptian literature and art
- Egyptian Hieroglyphs
- women and gender in the ancient world

Career options
- archaeologist
- archivist
- art consultant
- educator
- gallery or museum curator
- government historic sites manager
- journalist
- researcher
- tourism operator
Ancient History (Greece, Rome and Late Antiquity)

Study this major in the Bachelor of Arts.

Description
This major offers comprehensive study of the history, society, religions, material culture and languages of Ancient Greece, Rome and Late Antiquity, covering a wide range of periods from Prehistory (c. 1500 BCE) to the early medieval and Byzantine worlds (c. 1000 CE). You will study events and personalities from the Greek heroes in the Trojan War, through the rulers and citizens of Rome and its empire, down to the makers of medieval Europe and the last emperors of Byzantium. You will also engage in a study of the cultural patterns and traditions that make up our modern understanding of the ancient world.

Key features
- A critical interdisciplinary approach includes learning how to use literary texts, papyri, inscriptions, coins, art and archaeological evidence together to reconstruct the ancient world.
- You will also have the opportunity to participate in archaeological fieldwork; and options to study the languages of Greece, Rome and the Late Antique world (such as Coptic).
- You will gain knowledge and skills for employment in a wide range of disciplines and the capacity to engage in higher degree research.

What you can study
- ancient Greek language, religion, drama and society
- ancient mythology
- archaeology
- barbarian Europe, Byzantium and Islam
- classical traditions of thought
- early Christian literature and thought
- Latin
- Rome and its eastern frontier
- women and gender in the ancient world

Career options
- archivist
- art consultant
- educator
- gallery or museum curator
- diplomat
- journalist
- researcher

Ancient Languages

Study this major in the Bachelor of Arts.

Description
This major is for those who love language or who want to add to and enhance their study in ancient history. You will be trained in language proficiency, underpinned by a range of assessment methods. After introductory training, you will read the literature produced by ancient civilisations and the documents generated by their societies.

This major will enhance your understanding of ancient cultures by allowing you to engage directly with the literature and documents produced by ancient writers, and help you to better understand the culture, art, and society of these civilisations. It will also enhance your employability within the broad discipline of ancient world studies, allowing you to engage directly at an advanced level with original source material.

Key features
- You will have the opportunity to choose from a range of ancient languages, and to advance from an introductory to an advanced level.
- At advanced level you have the opportunity to work on papyri and inscriptions in the Museum of Ancient Cultures. There may also be opportunities to receive training in epigraphy and/or papyrology on site in overseas excavations.
- Prior knowledge of ancient languages is not expected.

What you can study
- Ancient Greek
- Akkadian
- Classical Hebrew
- Coptic
- Egyptian Hieroglyphs
- Latin
- Sanskrit
- Syriac

Career options
- ancient history academic
- academic within related research fields (eg archaeology)
- journalist
- teacher (with further study)
- translator
- writer
Anthropology

Study this major in the Bachelor of Arts or Bachelor of Social Science.

Description

Anthropology is the comparative study of societies and human diversity. It asks interpretative questions about behaviour, meaning and value between different societies and cultures.

Anthropologists focus on groups within society that follow a distinct way of life, such as workers on the shop floor of a factory, people who live by hunting and gathering in the Amazon, corporate managers, Indigenous Australian artists, fans of Harry Potter books, opium growers in South-East Asia or members of a religious group.

Although the social contexts in which they work are extremely diverse, anthropologists share a commitment to exploring and understanding different ways of life and cultural perspectives, and illuminating these for others.

Key features

• You will learn skills that will allow you to contribute to policy development and shape interventions by applying anthropological theories and methods to concrete problems.
• You can directly engage with current academic research in the classroom through our staff members who are all actively engaged in fieldwork in Australia and around the world.
• You will benefit from Macquarie’s close relations with local communities, NGOs and research institutions in South-East Asia, Turkey, Egypt, Saudi Arabia, the Americas and Australasia.

What you can study

• Aboriginal Australia
• art and culture
• Asian cultures
• food across cultures
• human evolution and diversity
• human rights
• identity and difference
• Islam
• psychological anthropology
• religion, spirituality and politics
• wealth, poverty and consumption

Career options

• business and government consultant
• corporate researcher
• journalist
• market researcher
• NGO evaluator
• policy developer
• public health official

Accreditation

Professional anthropologists are Members or Fellows of the Australian Anthropological Society.

Arts Practice and Management

Study this major in the Bachelor of Arts.

Description

This major is unique at an undergraduate level. As a research-driven program, it is at the forefront of arts practices. There is also the opportunity to network with local creative industries.

You will develop an in-depth knowledge of arts practice and management, and vocational options in the arts; a working knowledge of the creative industries; an understanding of business practices relevant to the arts; a knowledge of copyright law and intellectual property; the ability to conduct research in the arts and liaise with arts-related administration and funding organisations; and a capacity to work in arts projects in arts centres, schools and the community.

This major provides you with capabilities that will enhance your effectiveness as a creativity facilitator in the arts industries.

Key features

• You will learn a wide definition of the arts and gain the skills and knowledge required for employment in a multitude of creative arts industries.
• You have the opportunity to visit and undertake placements in a range of public and private arts organisations. This allows you to access the most up-to-date information available and to meet with some of Australia’s most successful arts managers and entrepreneurs.
• Practise creativity through undertaking performing arts of your choice, including music, dance, performance, and drama, in addition to combining theoretical understanding with practical production experience.

What you can study

• arts management
• curating artistic creativity
• dance and performance environments
• digital production
• managing creativity
• musical and vocal performance
• strategic leadership

Career options

• artist (eg performing artist)
• artist manager/talent manager
• arts and cultural administrator
• arts manager
• community arts program planner
• producer
• theatre, gallery and museum curator

Accreditation

Professional anthropologists are Members or Fellows of the Australian Anthropological Society.
Astronomy and Astrophysics

Study this major in the Bachelor of Advanced Science or Bachelor of Science.

Description
This major explores our understanding of celestial objects such as planets, stars, black holes and galaxies, and the methods through which we have gained this insight. Significant emphasis is placed on the techniques and technology that have been developed to gather astronomical data. Through the use of laboratories and our optical and radio observatories, you will develop a critical approach and in-depth research skills. Strong links between Macquarie and the national observatories present you with a wide range of learning opportunities.

Key features
• You will have the flexibility to tailor studies to suit your interests.
• A broad range of employment opportunities are available to you, based on the knowledge and skills you develop.
• Staff are active astronomy and astrophysics researchers, recognised for their work at a national and international level.
• You will have the opportunity to participate in summer vacation scholarships.

What you can study
• astronomical science
• electronics
• mathematics
• photonics
• physics
• relativity and cosmology
• theoretical astrophysics

Career options
• astronomer or astrophysicist
• astronomical instrumentation technician
• defence and defence industries consultant
• industrial researcher
• information technology specialist and modeller
• patent attorney
• remote sensing technician
• scientific researcher

Biology

Study this major in the Bachelor of Advanced Science, Bachelor of Environment or Bachelor of Science.

Description
Macquarie offers biology units on virtually every level of biology – from cell and developmental biology to organisational biology and ecosystems, including behaviour, biodiversity, biostatistics, conservation, ecology, evolution, genetics, microbiology, morphology, physiology and zoology.
Our flexibility allows you to combine this major with units from medical sciences, biomolecular sciences and geological and environmental sciences.

Key features
• All units contain significant proportions of research material in the form of case studies or reference to the lecturer’s research.
• Most units include practical work in the new state-of-the-art biology teaching laboratories. Some units also include fieldwork.
• Many units are available by distance education (external study) mode, with some on-campus study required.

What you can study
• animal behaviour
• biodiversity and conservation
• biostatistics and bioinformatics
• ecology and evolution
• freshwater and marine ecology
• genetics, including human and conservation genetics
• immunology
• invertebrate and vertebrate zoology
• palaeontology
• parasitology
• physiology
• plant biology

Career options
• biologist
• environmental scientist
• forensic scientist
• hospital scientist
• science communicator
• scientific researcher
Biomolecular Sciences
Study this major in the Bachelor of Advanced Science or Bachelor of Science.

Description
Biomolecular science is the study of how molecules work in living biological systems. This major is based on biochemistry and molecular biology and extends into the fields of genetics, genomics and proteomics, biotechnology, structural and systems biology, and bioinformatics. It offers a path into many bioindustries including pharmaceutical, diagnostics, and biotechnology.

It offers you the flexibility to focus on your area of interest or combine the major with a range of related disciplines including chemistry, biological sciences, medical sciences, physics, geosciences, business and law. These combinations enable you to pursue a range of careers in business, industry, research and academia, both in Australia and internationally. This major is also an excellent foundation for postgraduate studies including medicine.

Key features
- Peer-Assisted Learning and mentoring opportunities are available.
- You will gain theoretical knowledge and practical experience in a range of relevant areas.
- You will have the flexibility to tailor studies to suit your interests.
- As a graduate you will be employable in a variety of positions.

What you can study
- biochemistry
- biotechnology
- cellular biochemistry
- genetic engineering
- genomics
- microbiology
- molecular analysis
- molecular biology
- molecular structures
- proteomics

Career options
- agribiotechnologist
- biomarker researcher
- biomedical sciences analyst
- bioproduct manufacturer
- drug discovery researcher
- patent lawyer
- pharmaceutical developer
- salesperson and marketer

Business Information Systems
Study this major in the Bachelor of Arts, Bachelor of Business Leadership and Commerce, Bachelor of Commerce, Bachelor of Information Technology or Bachelor of Science.

Description
Information technology and systems are embedded in how we work, live and play. Utilising information technology and systems to enhance competitive advantage in organisations is a sought-after skill by employers worldwide.

Information technology and systems in organisations have increasing strategic significance because of the scope of the organisational systems involved and the role information systems play in enabling organisational processes and strategies to achieve competitive advantage.

This major provides you with a solid understanding of information systems concepts and issues, enabling you to fully participate in the increasingly globalised business community. Knowledge of information systems requires strong analytical and critical thinking skills to thrive in a competitive global environment.

Key features
- You will gain skills relevant for a career in any industry that utilises information technology, from banking to not-for-profit organisations, from small to medium sized enterprises, to large multi-national organisations.
- It is appropriate for combining with any other business major.
- It provides you with the foundation to achieve excellence in business by understanding how information technology can affect the organisational structure and the way we work.
- It will enhance understanding of business intelligence and the social and ethical issues that are critical for business processes.

What you can study
- application modelling and development
- business information systems project
- enterprise systems integration/technology management
- information systems audit and assurance
- information systems for management
- introduction to business information systems
- social networking and the web
- systems design and data management
- system design and development

Career options
- business analyst
- database analyst
- information systems coordinator
- management information systems analyst
- project manager
- roles requiring an understanding of the role of technology in supporting business strategies and processes
- systems accountant
Chemistry
Study this major in the Bachelor of Advanced Science, Bachelor of Environment or Bachelor of Science.

Description
Chemistry is the science of converting one substance into another and the molecular interpretation of the world around us. It is at the molecular level that major advances are made in many diverse areas and chemistry plays a major role in our economy, environment, lifestyle and health, and in processes going on in the world around us.
This major is excellent preparation for a wide range of careers including in medical, veterinary, agricultural and environmental analysis, pharmaceutical, food and beverage industries, science education, science journalism, and biomedical and chemical research organisations. It is also an excellent foundation for postgraduate studies in fields such as medicine and pharmacy.

Key features
• Peer-Assisted Learning and mentoring opportunities are available.
• You will gain theoretical knowledge and practical experience in a range of relevant areas.
• You will have the flexibility to tailor studies to suit your interests.
• As a graduate you will be employable in a variety of positions.

What you can study
• analytical chemistry
• environmental and physical chemistry
• medicinal chemistry
• organic and biological chemistry
• protein chemistry

Career options
• drug discovery/medicinal scientist
• environmental scientist
• mining and geoexploration specialist
• paints and coatings technology adviser
• patent lawyer
• plastics industry specialist
• quality control specialist
• researcher

Chinese Studies
Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description
The study of Chinese at Macquarie is based on Mandarin. Classes range from absolute beginners to native speakers and aim to provide both an understanding of the language, and knowledge of the society, culture and history of China.
You may have many reasons for wanting to study Chinese. Some students want to work in China, some learn Chinese for general cultural reasons, others because of an interest in languages or because they want to learn more about the language of their parents or grandparents.
If you wish to use Chinese professionally after graduation you should consider combining the study of Chinese with a discipline such as accounting, economics, international communication, law, media, politics or science.

Key features
• As a student of a Chinese language you are encouraged to study in China, either in a residential course organised by the University, or for one or two sessions under various exchange agreements. Macquarie provides generous travel scholarships to enable you to take up these opportunities.
• Our focus on intercultural language learning allows you to develop a strong understanding of the relationship between culture and language and its influence on the evolution of the Chinese language.

What you can study
• Chinese language (ie Mandarin)
• Chinese calligraphy and history of Chinese art
• classical Chinese philosophy and Chinese thought
• contemporary Chinese culture and society, politics and international relations
• traditional Chinese culture, history and literature

Career options
• government and business consultant
• international trade consultant
• interpreter
• teacher (with further study)
• translator
• tourism operator
Chinese-English Translation and Interpreting
Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description
This major is available to Chinese background speakers only. It focuses on linguistic and cross-cultural aspects of achieving equivalence in translation from Chinese (both simplified and traditional) into English, plus translation practice involving translation from Chinese into English of selected texts illustrating equivalence problems. The focus in Chinese text analysis and English expression tutorials is on working between written Chinese and written English. This major provides an opportunity to hone your advanced language skills with a view to a para-professional or professional translating and interpreting qualification.

Key features
• You will develop awareness of the cultural and social factors that contribute to effective translation.
• You will expand and consolidate your writing and speaking skills in both languages.
• This major offers an articulation path into the Master of Translating and Interpreting.

What you can study
• Chinese-English interpreting
• Chinese-English translation
• contemporary China
• language, culture and communication
• language: its structure and use
• modern Chinese society

Career options
• diplomat
• government and business consultant
• international trade consultant
• tourism operator
• translator and interpreter

Accreditation
This major allows you to prepare for the para-professional National Accreditation Authority for Translators and Interpreters (NAATI) Level 2 examination in Chinese-English interpreting.

Climate Science
Study this major in the Bachelor of Environment or Bachelor of Science.

Description
Climate science is the comprehensive study of the Earth’s climate system, including the atmosphere, hydrosphere, cryosphere (frozen water), land surface and biosphere. Among its many topics are the issues of climate change, the El Niño – Southern Oscillation, drought, flood, tropical cyclones, and interactions with human society. This major provides professional training for industry and government career opportunities.

Key features
• You will have the flexibility to tailor studies to suit your interests.
• You will have opportunities for development of research and practical skills.
• Guest lectures by senior industry professionals form part of the study program in third year.
• Some units are available by distance education (external study).

What you can study
• applied climatology
• atmospheric environment
• biological sciences
• boundary-layer meteorology
• climate change, impacts and variability
• computing and information systems
• Earth and planetary sciences
• El Niño – Southern Oscillation
• environmental Earth science
• environmental management
• mathematics
• meteorology
• oceanography

Career options
• air quality and pollution manager
• bushfire manager
• climate consultant
• environmental manager
• environmental scientist
• fisheries and forestry adviser
• government researcher
• meteorologist
• oceanographer
• researcher
Community Services
Study this major in the Bachelor of Human Sciences.

Description
This major will provide a solid foundation in human sciences including understanding the community services and health care sectors, global and local perspectives on social inclusion and how these influence models of service delivery, and interpersonal skills in communication and ethical sustainable decision making.

Key features
• You will gain an interdisciplinary view of health, social policy, psychology and human services.
• It provides a set of core units with the flexibility to focus on an age group of your choosing as well as some skills that will assist in working with community groups.
• Macquarie has a strong focus on Peer-Assisted Learning and practical work and there will be a work-related placement in your final year.

What you can study
• applied child psychology
• Australia and global societies: an introduction to sociology
• care and human services
• children, families and communities in a diverse society
• culture, care and country in Aboriginal Australia
• developmental psychology
• education as social development
• organisational behaviour
• principles of financial literacy
• social inequality and social policy

Career options
• advocacy and welfare officer
• community management roles
• community-based program coordinator
• health and welfare services officer
• health researcher
• non-government aid worker
• social planning and policy adviser

Computer Engineering
Study this major in the Bachelor of Engineering.

Description
Computer engineers design, build and manage computer-based systems and hardware that process information and complex systems. They often work on new computer applications such as advances in digital television and photography, virtual meeting technology, and new technologies for cars, phones, security systems, telescopes and aeroplanes. Completion of this major as part of the Bachelor of Engineering will prepare you for a career in computer engineering.

Key features
• The Engineering Industry Partnership Program creates opportunities for you to engage with the University’s industry partners.
• You will complete a final-year project in a computer industry setting, or with one of Macquarie’s research groups.
• It is possible to combine this major with one of the following as a major or minor of the Bachelor of Engineering: Electronics Engineering, Mechanical Engineering, Mechatronic Engineering, Software Engineering, Telecommunications Engineering or Wireless Engineering.

What you can study
• computer hardware
• computer science
• digital systems design
• mathematics
• programming practices

Career options
• computer design and manufacturing engineer
• electronics design and manufacturing engineer
• project and technology manager
• research and development engineer
• software designer and developer
Criminology

Study this major in the Bachelor of Arts, Bachelor of Laws, or Bachelor of Social Science.

Description

Criminology is the interdisciplinary study of crime, deviance, social control and the legal system. This major combines knowledge from criminology, policing, sociology, law and social policy to give you access to knowledge and information about contemporary criminological theory.

Contemporary criminologists investigate a broad range of topics including justice, conflict, risk, security, policing, governance and regulation. Key concerns include the nature of crime, how crime is defined, why crimes are committed and how society responds to criminal behaviour. The major is also suitable for those who want to learn about crime and policing as authors, script writers or for other purposes.

Key features

- You will learn from experts from the department of Policing, Intelligence and Counter Terrorism (PICT); Macquarie Law School and the Department of Sociology.
- You will develop an independent and comparative approach through the use of social science methods, giving an emphasis to the ethical dimension of the study of crime, policing and policy making.

What you can study

- criminology and the law
- demographic fundamentals
- introduction to criminology
- law in Australian society
- law, institutions and people
- policing and crime
- politics of terrorism
- theories of justice

Career options

- advocate and support officer
- corrective services officer
- criminal justice and corrections consultant
- intelligence and security specialist
- local government officer
- policy adviser and researcher
- probation and parole officer
- state or federal police officer
Croatian Studies
Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description
This major provides a sound knowledge of the Croatian language and culture through intensive language teaching as well as through a critical analysis of Croatian literature, history and culture. Macquarie was the first tertiary institution in Australia, and one of the first in the world, where Croatian language, literature and culture enjoyed full academic and cultural autonomy. Since 1998 the Republic of Croatia’s Ministry for Science, Education and Sport has been supporting the study of Croatian at Macquarie. If you wish to use Croatian professionally after graduation you should consider combining the study of Croatian with a discipline such as accounting, economics, international communication, law, media, politics or science.

Key features
• Macquarie houses the Croatian Studies Centre, established in 1994. This centre has been engaged in active research and publication activities, including the journal Croatian Studies Review, which makes the centre’s research available to Croatian and non-Croatian speaking audiences.
• Throughout your degree you will have opportunities to study in Croatia, either in residential courses organised by the University, or for one or two sessions under various exchange agreements. Macquarie provides generous travel scholarships to enable you to take up these opportunities.

What you can study
• Croatian language
• Croatian culture and civilisation
• Croatian literature, drama, theatre, film and media

Career options
• international trade consultant
• journalist
• private business consultant
• public servant
• teacher (with further study)
• tourism operator
• translator and interpreter

Cultural Studies
Study this major in the Bachelor of Arts.

Description
Cultural Studies is the study of the ways we represent ourselves to each other, which we do through the food we eat, the films we produce and watch, the books we write and read, through political documents, TV, media, art, music, dance, language, urban environments and architecture. This major focuses on exploring political, ethical and social relations and their consequences in everyday cultural practice. It provides a broad and accessible theoretical base from which to engage with, and apply, historical and contemporary debates. You will build a strong suite of research and evaluation skills to enable you to consider ethical, logistical, social and environmental issues including cultural practices, visual and textual analysis and construction, nationhood, identity, embodied practice and gender relations. This major encourages development of effective communication, ethical and analytical skills, and the ongoing examination of the world around us.

Key features
• You are taught valuable practical skills for future employment including research, effective communication and presentation, critical analysis and how to construct a cohesive argument.
• In third year you have the opportunity to undertake a significant research project based on fieldwork in a workplace, critical ethnographic research or theoretical research, which enables you to connect with careers and communities.

What you can study
• Australian culture
• body practices, medicine and health
• film, television and digital culture
• gender and sexuality
• global cultural politics
• graffiti, tattooing and transgression
• race and ethnicity
• theatre and performance
• visual and popular culture
• war and terrorism

Career options
• arts administrator
• community or public sector worker
• educator
• lobbyist and activist
• local and state government worker
• policy analyst
• researcher
**Decision Science**

*Study this major in the Bachelor of Arts, Bachelor of Commerce or Bachelor of Science.*

**Description**

Today's organisations have access to many detailed sources of data, and complex decision-making strategies are required in order to operate effectively. Decision science provides practical methods for translating data into efficiency improvements. You will learn how to manage resource allocation, supply chains, large projects, queues and inventory systems, how to study and predict markets, how to extract knowledge from large data sets using graphical and computational methods, and how to identify and work around uncertainty.

**Key features**

- You will undertake comprehensive study of quantitative approaches to solving practical business and scientific problems.
- Business skills and knowledge are enhanced with complementary study in areas such as market research, forecasting and data mining.
- As a graduate you will enjoy broad employment opportunities.

**What you can study**

- computer science
- graphics, multivariate methods and data mining
- logistics and project management
- market research and forecasting
- operations research

**Career options**

- business manager
- consultant
- decision support analyst
- financial analyst
- finance manager
- inventory manager
- logistics manager
- manufacturing manager
- marketing analyst
- operations research analyst
- project manager
- risk analyst
- systems analyst

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**Dance and Performance**

*Study this major in the Bachelor of Arts.*

**Description**

This major assumes a wide definition of dance and performance, and you are encouraged to study broadly. It considers not just the aesthetic dimension of dance and performance, but also their social, cultural, historical and metaphorical frameworks. To develop confidence in working independently as artists, you are given opportunities to explore your own dance and performance making, combining theoretical and conceptual understandings with practical production experience.

**Key features**

- You will gain widely transferable skill-sets and knowledge developed inside and outside studio practice. These skills are highly useful both for professional creative practice and careers in a multitude of arts industries.
- You have access to high-quality, well-appointed studios: a dance studio with sprung floor and a drama studio equipped with ‘intelligent’ lighting, surround sound and HD data projector. You will also have access to industry-standard technologies and digital production tools in media and music.
- A flexible construction allows you to explore a range of units across the University in order to combine your other interests with dance and performance theory and practice.

**What you can study**

- aesthetics of contemporary dance and performance
- choreography and dramaturgy
- digital technology and dance/performance
- history of dance and performance
- interdisciplinary composition
- lighting design and stagecraft
- media and dance/performance
- writing and critique

**Career options**

- arts administrator
- arts director
- corporate communications specialist and/or publicist
- dance artist/performance maker
- educator
- event manager
- journalist
- production manager
- public relations specialist
Development Studies and Culture Change

Study this major in the Bachelor of Arts, Bachelor of Science or Bachelor of Social Science.

Description

Since World War II the aim of ‘development’ has been to ensure that Third World nations take their place in the global community and have an equal voice. However, as the world has moved forward and organisations and governments have evolved, initiatives to help developing nations may have fallen short of their goals, or even done more harm than good.

This major develops skills to analyse the intentions and results of international development initiatives, and develops significant theoretical, practical and research skills that can be applied to employment in a range of roles.

Key features

• You will focus on the impacts of development and cultural change in the context of key issues such as environment, health, human rights, international law, Indigenous rights and international relations.
• You will develop your research, communication, presentation and critical analysis skills, enhancing your employment prospects in this field.
• Drawing together studies in anthropology and human geography, with options in other fields relevant to your interests, this major offers opportunities to contribute to significant work for human benefit.

What you can study

• anthropology
• economic anthropology
• environment
• health
• human geography
• human rights and international law
• Indigenous rights
• international communications and relations
• politics

Career options

• development consultant
• international and community aid adviser
• journalist
• local, state and federal government adviser or analyst
• market researcher
• non-government aid worker
• policy analyst
• program designer, manager or evaluator
• research consultant
• social change agent, planner or researcher
• social impact analyst/researcher/adviser
• specialist in research design and evaluation

Early Childhood

Study this major in the Bachelor of Arts.

Description

In addition to teacher education degrees, the Institute of Early Childhood offers the opportunity to study a range of units that will enable you to major in early childhood studies. This major is not a teaching qualification, but may supplement your study or experience in other social sciences including behavioural science, psychology and sociology.

A Bachelor of Arts with a major in early childhood will enhance your employment opportunities in a variety of areas, including policy development, community services, and children’s media and literature.

Key features

• You will undertake units relating to the development of children with a focus on young children’s learning and experience of the arts, literacy, mathematics, social inclusion, science and technology.
• You will gain an understanding of the management principles and skills necessary for leadership positions in children’s services.

What you can study

• child development
• early childhood teaching principles
• family and community contexts
• health and physical education
• human society and its environment
• language, literature and literacy
• management and leadership
• mathematics, science and technology
• the arts in early childhood contexts

Career options

• administrator of children’s services
• government and/or community programs coordinator
• market researcher
Economics
Study this major in the Bachelor of Arts, Bachelor of Business Leadership and Commerce or Bachelor of Commerce.

Description
Economists understand complicated economic and social processes, intervene to make outcomes better and set policies that have a major effect on society.
This major provides an excellent education in the leading theories and concepts involved in modern economics to develop successful business economists. The skills developed will enable you to conduct effective analysis of individual decision-making subjects and develop a strong understanding of governments and organisations in the global economy.

Key features
• You will learn how to comprehend and participate in economic debates, identify appropriate strategies to address economic issues, and undertake analytical and research tasks.
• You will focus on the properties of supply and demand networks which involves topics such as altruism, banking and finance, consumer sentiment, debt, equity, environment, forecasting, free trade, recessions and expansions, market failures, natural monopolies, optimality, public economics, rates of interest, scarcity, technological change, uncertainty, unemployment, monetary and fiscal policy, and economic growth.

What you can study
• applied economics
• development economics
• econometrics
• economic policy
• environmental economics
• financial economics
• industrial organisation
• international economics
• labour economics
• macroeconomics
• microeconomics

Career options
• business journalist
• economic analyst
• financial analyst
• investment analyst
• management consultant
• market analyst
• planning/policy analyst
• public administrator
• researcher
• statistician
• stockbroker

Education
Study this major in the Bachelor of Arts.

Description
In addition to teacher education degrees, the School of Education offers the opportunity to undertake a wide range of educational studies. This major is not a teaching qualification, but may supplement your study or experience in other social sciences including behavioural science, psychology and sociology.
A Bachelor of Arts with a major in Education will enhance employment opportunities in a variety of areas, including policy development and government.

Key features
• You will explore how children grow and develop, the policy issues surrounding the operation and governance of education in Australia, how a curriculum is conceptualised and constructed, and learning theories.

What you can study
• introduction to educational studies
• language, literacy and learning
• professional capability: policy, theory, and pedagogy

Career options
• educator and trainer of adults
• educational planning and policy adviser
• educational researcher
Electronics
Study this major in the Bachelor of Science.

Description
Electronics technology is used in many areas of modern society, including telecommunications, manufacturing, computers, transport, power generation, entertainment, consumer appliances, environmental control and medicine. This major provides you with the knowledge and skills required to work with electronics technology in these areas. It also provides an alternate means for you to obtain a qualification in the area of electronics with an emphasis on science over engineering. It offers flexibility, enabling you to choose studies in the areas of analogue, digital and telecommunications electronics.

Key features
- You will have the flexibility to tailor studies to suit your interests.
- High-quality laboratories provide experience with modern instrumentation and tools.
- International-level research is included in the program.

What you can study
- computer networks
- computer science
- electronic systems
- mathematics
- optics and photonics
- physics
- statistics
- system design
- telecommunications
- web technology
- wireless systems and radio technology

Career options
- circuit designer
- electronic maintenance specialist
- industrial and consumer products designer
- networking and communications adviser
- scientist
- system designer
- systems installation and customisation consultant

Electronics Engineering
Study this major in the Bachelor of Engineering.

Description
Electronics engineers design, build, manufacture, install and manage systems based on modern electronics technology. Phones, MP3 players, sound mixing desks and other digital devices have all been created by electronics engineers. Completing this major as part of the Bachelor of Engineering will prepare you for a career in electronics engineering.

Key features
- The Engineering Industry Partnership Program creates opportunities for you to engage with the University’s industry partners.
- You complete a final year project in an electronics industry setting, or with one of Macquarie’s research groups in electronic circuit design, CAD tool development or medical applications.
- It is possible to combine this major with one of the following as a major or minor of the Bachelor of Engineering: Computer Engineering, Mechanical Engineering, Mechatronic Engineering, Software Engineering, Telecommunications Engineering or Wireless Engineering.

What you can study
- digital fundamentals
- electronic systems
- mathematics
- programmable logic design
- signals and systems

Career options
- electronics design and manufacturing engineer
- project and technology manager
- research and development engineer
- telecommunication systems engineer
English
Study this major in the Bachelor of Arts.

Description
Studying literature at university level allows you to combine critical skill development with the pleasure of reading. This major extends skills in thinking, analysis and writing, and develops your understanding of the complex relationship between books and culture.

A major in English fosters analytic and creative thought via a focus on the ideas and language of a wide range of engaging texts. It sharpens language use through consideration of how texts invite particular meanings. Your skills in research and critical integration are developed through the study of the contexts and reception of literary texts.

In this way, the study of literature at Macquarie promotes an informed, global, cross-cultural perspective of the world. This major develops written and verbal communication skills and research techniques that will enhance employment prospects in any industry.

Key features
- You will focus on the study of literary texts from the medieval period through to the present day, including novels, drama, poetry, creative writing, life writing, visual texts (including films), and children’s literature (including folk tales).
- You will acquire skills in communication and evaluation, flexibility and independence of judgement – skills that will equip you for a broad range of careers.
- A major in English is a solid grounding for employment in a wide range of education, communication and media-related industries.

What you can study
- Australian and postcolonial literature
- children’s literature
- creative writing
- feminism and literature
- gothic literature
- literature and film
- medieval literature
- modernism and postmodernism
- Shakespeare and early modern literature
- Victorian literature
- world literature

Career options
- advertising and marketing executive
- editor and publisher
- educator
- government and public service adviser
- media adviser
- public relations specialist
- writer

Entrepreneurship
Study this major in the Bachelor of Arts, Bachelor of Business Leadership and Commerce or Bachelor of Commerce.

Description
Entrepreneurship is the process of identifying, creating and realising opportunities for new economic activity. Entrepreneurship involves a wide scope of activities such as evaluating ideas, sourcing and organising resources, and weighing the risks and rewards associated with the new ventures.

Key features
- You will combine theory and practice through experimentation and application of theoretical knowledge in industry-based simulations and projects.
- Exciting teaching strategies incorporate simulations, guest speakers, and community engagement, including a module that provides the foundations necessary to solve business challenges through the application of game-design thinking.
- Entrepreneurship skills combine well with knowledge from other disciplines making this major well suited to double major and double degree options.

What you can study
- creativity and innovation
- entrepreneurship project
- finance and regulation for new ventures
- foundations of entrepreneurship
- foundations of management
- new venture marketing and business development
- professional and community engagement
- strategic management

Career options
- business consultant
- business and venture analyst
- business manager
Environmental Earth Science
Study this major in the Bachelor of Environment or Bachelor of Science.

Description
This major encompasses all aspects of the environment in which erosion, sediment transport and deposition play a role, whether it be understanding landscape processes, ecological function, environmental health or the distribution and remediation of environmental contaminants. In addition, the field extends to understanding soil formation and health, river processes and management, coastal zone geomorphic processes and management, pollutants and contaminants in soil and sediment, as well as interpreting climate and environmental change from biological and sediment records.

Much of the major can be achieved through distance education, particularly in the first and second years of study.

Key features
• You will have the flexibility to tailor studies to suit your interests.
• Classroom, field and laboratory-based teaching and learning opportunities are available.
• As a graduate you will be in high demand in the environmental management industry and in the research sphere.
• You will develop workplace-oriented specific skills and generic skills including fieldwork, group work, quality assurance/quality control and report production.

What you can study
• biology
• chemistry
• climate science
• computing
• ecology
• environmental analysis and management
• geocology
• geography
• geology
• geomorphology
• mathematics
• statistics

Career options
• ecologically sustainable development officer
• environmental and geotechnical consultant
• exploration geologist
• land care and catchment manager
• local council environmental officer
• researcher
• resource manager

Environmental Geology
Study this major in the Bachelor of Environment or Bachelor of Science.

Description
Environmental geology deals with the interaction of people and the geological environment, including problems due to people’s occupation and exploitation of the Earth, and hazards that impact on society. This major is distinct from geology and geophysics majors in that it focuses on the near-surface environment, providing an understanding of soils, rock masses and their structure, the flow of water and pollutants through the Earth’s surface materials and geologic hazards.

Graduates find employment in the rapidly growing fields of environmental geology, geotechnical engineering and hazard assessment.

Key features
• You will have the flexibility to tailor studies to suit your interests.
• Fieldwork is an integral part of this major.
• Your teachers are internationally recognised researchers.
• You have a wide choice of units from a variety of disciplines.

What you can study
• economic geology
• geochemistry
• geodynamics
• geographic information systems
• geophysics
• igneous and metamorphic geology
• sedimentology
• structural geology

Career options
• environmental geologist
• geotechnical engineer
• government surveyor
• mineral exploration industry consultant
• mining industry consultant
• national parks officer
• oil and gas industry consultant
• researcher
Environmental Law and Management
Study this major in the Bachelor of Arts or Bachelor of Laws.

Description
Taught by Macquarie Law School and the Department of Environment and Geography, this major focuses on social and environmental responsibility. It explores human interactions with the environment, environmental management issues being faced in Australia and globally, and the importance of economic and legal issues, and policy making on the environmental debate.

Key features
- You will develop an advanced understanding of the science/law relationship, equipping you for a career in both legal- and science-related industries.
- Environmental policy and management studies will inform your understanding of the operation of environmental law at local, national and international levels of governance.

What you can study
- Climate change
- Environmental decision making
- Environmental management for a changing world
- Geographical perspectives on population
- Introduction to environmental economics
- Natural hazards
- Resource management
- Sustainability, science and the law

Career options
- Business development adviser
- Compliance officer
- Consultant
- Environmental advocate
- Environmental policy adviser
- Lawyer
- Researcher
- Resource consultant/adviser

Environmental Management
Study this major in the Bachelor of Arts, Bachelor of Environment or Bachelor of Science.

Description
Environmental managers explore relationships between humans and their environments, and patterns of distribution and consumption of resources that influence sustainable futures. With special knowledge of the spatial and temporal patterns in the human and natural environment, environmental managers play a major role in resource and environmental management. This major has core units drawn from human geography and environmental science. There are many paths to environmental futures and this requires studies across the biophysical and social sciences with an environmental orientation.

Key features
- You will have flexibility to tailor studies to suit your interests.
- The integration of human and biophysical aspects of environmental issues allows you to apply your skills in a wide range of situations.
- Completion of a second major in a related field will give you a skill set that is highly valued in professional workplaces.
- Many units are available by distance education (external study) mode, with some on-campus study required.
- Opportunities to develop research and practical skills are emphasised throughout the program.

What you can study
- Applied climatology
- Climate science
- Environmental Earth science
- Environmental economics
- Environmental management
- Global climates
- Law
- Politics and public policy
- Social inclusion
- Urban management

Career options
- Community-based research and monitoring roles
- Community-based resource manager
- Environmental and resource manager
- Environmental consultant
- Environmental educator
- Environmental policy maker
- Heritage administrator
- Local and regional water board roles
- Planner
Finance
Study this major in the Bachelor of Business Leadership and Commerce or Bachelor of Commerce.

Description
Finance is the study of financial organisations, markets and instruments; their effect on the flow of funds within the economy, and the control of risk. Finance at Macquarie investigates three core areas: corporate finance, financial analysis, and portfolio management. Complementary units in accounting, economics, statistics, computing and actuarial studies allow you to develop a comprehensive understanding of the discipline and its practical applications.

Key features
• You are given exposure to current issues affecting corporate finance in Australia and the Asian region that will equip you with a grasp of financial economics – the relation between risk and expected return, the time value of money and valuation of securities via discounted cash flows.
• Finance at Macquarie is taught within the Department of Applied Finance and Actuarial Studies, providing a unique blend of applied studies with a quantitative focus.

What you can study
• financial statement analysis
• insurance and superannuation practice
• money and finance
• portfolio management
• security pricing and hedging

Career options
• banker
• corporate manager
• financial planner/adviser
• foreign exchange dealer
• funds manager
• government policy adviser
• insurance consultant
• investment analyst
• management consultant
• portfolio manager

French Studies
Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description
This major provides you with proficiency in French language and an awareness of, and appreciation for, the societies and cultures of the francophone world.

A knowledge of French can enhance employment opportunities: representing the Australian Government overseas; working for companies in France, Canada, Polynesia or Switzerland; working in global agencies such as the United Nations; and teaching at primary or secondary level.

French language units are offered from introductory level through to advanced. You can also enrol in units that explore the culture and history of France to develop a greater understanding of the language.

If you wish to use French professionally after graduation you should consider combining the study of French with a discipline such as accounting, economics, international communication, law, media, politics or science.

Key features
• You are encouraged to study in France or other French-speaking countries, either in a residential course organised by the University or for one or two sessions under various exchange agreements. Macquarie’s partner institutions include the Sorbonne in Paris, University of Bordeaux III and the University of Geneva in Switzerland.
• The Union Francophone @ Macquarie (UFM) is a club for students enrolled in French units as well as international students from French-speaking countries. UFM organises various social events allowing language students and native speakers to interact and learn about each other’s cultures.

What you can study
• French language and culture
• French language and style
• French literary texts
• French translation

Career options
• international trade consultant
• journalist
• public servant
• teacher (with further study)
• tourism and travel consultant
• translator and interpreter
Gender Studies
Study this major in the Bachelor of Arts or Bachelor of Social Science.

Description
Gender Studies is offered through the interdisciplinary Women's Studies, Gender and Sexuality (IWS) program in the Department of Sociology. It is Macquarie's longest standing interdisciplinary major and the widest ranging. The major brings together studies in anthropology, critical and cultural studies, English, history, human geography, law, media, philosophy, sociology and more.

Gender Studies investigates what it means to be a woman or man in society at different times and places. Units look closely at the impact of gender, sex and sexuality on people's lives in a variety of arenas: at home, at work, on the streets and in the classroom.

Key features
- Macquarie's flexible approach means that you can study our units as a general interest, as a combination with work in another field, or as a specific major within the Bachelor of Arts or Bachelor of Social Science.
- In your final year of study you will take the capstone unit 'Family Values in the 21st Century' which explores the rhetoric of family values across a range of fields in contemporary Australian culture. It provides an opportunity for you to bring all your learning together in a coherent way, with a focus on practical application and understanding.
- You will gain critical thinking, communication and writing skills and an expertise on specific questions to do with gender that concern many fields of employment including education, media and public policy making.

What you can study
- culture, health and sexuality in the developing world
- discrimination and the law
- family law
- family values in the 21st century
- feminism and literature
- foundations of gender
- gender and education
- gender, race and identity
- law and sexuality
- media identities
- women and gender in the ancient world
- women making history

Career options
- advertising consultant
- advocacy and welfare officer
- educator
- health services worker
- journalist
- politics and policy adviser

Geography
Study this major in the Bachelor of Arts or Bachelor of Science.

Description
Geographers strive to understand how the Earth works and how humans interact with the Earth and with each other at a range of geographical scales. Geography is a wide-ranging and integrative discipline that encompasses social, physical, biophysical and environmental sciences and the humanities. Applied geography offers avenues for targeted study within both physical and human geography.

Key features
- You will have the flexibility to tailor studies to suit your interests.
- Teaching staff are leading researchers and practitioners with expertise in climate change, landscape management, social inclusion, urban studies and planning, international development and Indigenous rights.
- Opportunities for development of research and practical skills are emphasised throughout the major.
- Some units can be undertaken by distance education (external study) mode.

What you can study
- climate science
- development studies
- Earth sciences
- environmental management
- geomorphology
- human geography
- planning
- spatial information science

Career options
- ecologically sustainable development officer
- environmental consultant/officer
- forecaster/meteorologist
- insurance analyst
- journalist
- researcher
- resource officer/planner
- river care officer
- soil surveyor
- technical officer/technician
- water policy adviser
Geology
Study this major in the Bachelor of Science.

Description
Geology is a multifaceted science that aims to understand the materials that make up the Earth, processes that mould its surface, and the interaction of people with the physical environment. Geologists are vital for understanding the development of mineral resources and long-term maintenance of the environment. This major is structured to provide the basic professional training required to enter the workforce as a geologist and a base on which to undertake postgraduate studies. With the rapidly increasing global population, geologists will be needed to maintain resource output and minimise damage to the environment. Geologists are employed in a wide range of fields.

Key features
• You will have the flexibility to tailor studies to suit your interests.
• Field trips are an integral part of the major.
• Your teachers are internationally recognised researchers.
• A wide range of units are available.
• Some units can be undertaken by distance education (external study) mode.

What you can study
• economic geology
• environmental geology
• geochemistry
• geodynamics
• geographic information systems
• geophysics
• igneous and metamorphic geology
• sedimentology
• structural geology

Career options
• geologist
• government geological surveyor
• mineral exploration industry adviser
• mining industry adviser
• national parks officer
• oil and gas industry consultant
• researcher

Geophysics
Study this major in the Bachelor of Science.

Description
A geophysicist is a scientist who applies the principles of physics to the study of the Earth. Geophysics involves the study of the inaccessible Earth by undertaking physical measurements and then interpreting those measurements in terms of subsurface structures and phenomena. This major is structured to produce geophysicists who are able to work in the resource and environmental industries, where the vast majority of geophysicists are employed. Geophysics is often seen as a distinct discipline, particularly in the mining and exploration industries, and graduates who are clearly identifiable as geophysicists have an advantage when seeking employment with such companies.

Key features
• You will have the flexibility to tailor studies to suit your interests.
• Fieldwork is an integral part of the major.
• Your teachers are internationally recognised researchers.
• A wide range of units are available.

What you can study
• engineering geophysics
• environmental geology
• environmental geophysics
• exploration geophysics
• geodynamics
• geology
• petroleum geophysics

Career options
• environmental industry adviser
• geophysicist
• government geological surveyor
• mineral exploration industry adviser
• oil and gas industry consultant
• researcher
German Studies
Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description
This major provides a sound knowledge of the German language and culture through intensive language teaching as well as through a critical analysis of Germany’s literature, history and culture. Units for beginners to advanced covering German language and its varieties in literature, film, history, culture and its major city Berlin are available.

If you wish to use German professionally after graduation you should consider combining the study of German with a discipline such as accounting, economics, international communication, law, media, politics or science.

Key features
• You are encouraged to study in Germany, either in a residential course organised by the University, or for one or two sessions under various exchange agreements. Macquarie provides generous travel scholarships to enable you to take up these opportunities.
• A knowledge of German can enhance employment opportunities as representatives of the Australian Government or companies in Western Europe, as teachers at primary and secondary level, or as academics specialising in the history or politics of Europe. It also opens up opportunities within trade and finance, with Germany being one of the world’s leading industrial nations.
• The class work as well as the tasks set for independent study enable you to develop the level of complexity in speaking, comprehension, reading and writing German that is required for the Zertifikat C1, the upper intermediate level exam set by the Goethe-Institut. This upper intermediate level exam is conducted globally by the Goethe-Institut and is recognised worldwide in business and education.

What you can study
• German language and its use
• culture and history of Berlin
• German Literature and culture

Career options
• international trade consultant
• journalist
• public servant
• teacher (with further study)
• tourism operator
• translator and interpreter
• university academic

Human Biology
Study this major in the Bachelor of Science.

Description
This flexible major prepares you for careers in a wide range of areas of health and medical sciences. By combining it with other units you can specialise as your interests develop.

It is a suitable preparation for many postgraduate programs in the health and medical sciences field. In addition, the strong research focus of many of the units means that you can also acquire a suitable background for medical and health research.

Key features
• You will have the flexibility to tailor studies to suit your interests.
• As well as core units in human physiology, this major covers a broad range of areas relevant to human biology – from anatomy and biochemistry to genetics, epidemiology and the relationship between health and disease.
• All units contain significant proportions of research material in the form of case studies or reference to the lecturer’s research.

What you can study
• anatomy
• biochemistry
• biological psychology
• biostatistics
• cell and developmental biology
• contemporary health issues
• health promotion
• human genetics
• immunobiology
• medical anthropology
• medicinal chemistry
• microbiology
• neuroscience
• parasitology
• physiology

Career options
Students who complete this major generally undertake postgraduate studies in physiotherapy, medicine, dentistry, nutrition and dietetics, pharmacy, occupational therapy, orthoptics or health science. After completing postgraduate studies you may be employed as one of the following:
• forensic scientist
• genetic counsellor
• hospital scientist
• medical researcher
• pharmaceutical researcher and developer
Human Geography
Study this major in the Bachelor of Arts, Bachelor of Science or Bachelor of Social Science.

Description
This major focuses on matters such as social and community planning, health and health care delivery, population studies, development studies, resource and environmental management, public policy development, urban and regional management and geographic information science.

Key features
- You will have the flexibility to tailor studies to suit your interests.
- Opportunities for field-based learning, including international and remote area fieldwork are available.
- Employment opportunities are enhanced by a powerful integration of practical skills development and knowledge of sophisticated frameworks and methods for research.
- Some units can be undertaken by distance education (external study) mode.

What you can study
- anthropology
- cultural studies
- demography
- development studies
- education
- environmental science
- geographies of global change
- health
- Indigenous studies
- media studies
- planning
- social impact assessment
- sociology
- spatial information science
- statistics

Career options
- community development worker
- environmental and resource manager
- health planning adviser
- international development worker
- journalist
- market researcher
- social planner
- social impact analyst
- tourism and recreation planner
- urban and environmental consultant
- urban, regional and social planning adviser

Human Movement
Study this major in the Bachelor of Human Sciences.

Description
This major develops discipline-specific knowledge and skills about factors affecting human health from a variety of perspectives including biology and psychology, with a focus on the areas that provide a discipline background for postgraduate study in physiotherapy. It includes studies in human anatomy, human movement, neuroscience, physiology, psychology and research methods. Graduates can apply for entry to the Doctor of Physiotherapy at Macquarie or to similar degrees. This is based on competitive entry.

More broadly, this major provides an interdisciplinary view of health and society for careers that need an understanding of both human biology and behaviour.

Macquarie has a strong focus on Peer-Assisted Learning and practical work, both in the field and in our high-quality laboratories. This hands-on approach will allow you to develop your scientific research skills, critical thinking and problem-solving ability.

Key features
- This major comprises the minimum requirements for future postgraduate physiotherapy study at Macquarie University.
- Multiple practical components are available.
- You will learn from internationally recognised researchers.
- You will be able to choose units from across the University.
- A work-related placement is included.

What you can study
- anatomical sciences
- biopsychology and learning
- care and human services
- clinical and experimental neuroscience
- design and statistics
- human movement
- human physiology
- introduction to psychology
- legal, ethical and policy directions in health
- sport, culture and society
- systems physiology
- understanding contemporary societies

Career options
- allied health roles (eg, audiology, physiotherapy) (after further study)
- health and community management and administration
- health education and promotion
- health research
Human Resources

Study this major in the Bachelor of Arts, Bachelor of Business Leadership and Commerce or Bachelor of Commerce.

Description

Managing people effectively is essential if organisations are to establish and maintain a competitive advantage in dynamic environments. This major examines in detail how organisations can establish effective systems of recruitment, selecting candidates, remuneration, training and development, performance appraisal and retention. Human resource managers are becoming increasingly responsible for workforce and succession planning, performance management and training systems, and compliance with workplace laws including equity and diversity obligations.

This major also focuses on the role that human capital can play in allowing organisations to respond to new challenges and take advantage of changes in the workplace. It places strong emphasis on understanding the processes and techniques that can create and maintain high performing, efficient and ethical organisations.

Key features

• Macquarie’s Bachelor of Commerce with a major in Human Resources is fully accredited by the Australian Human Resources Institute (AHRI).

• The University has close links with public and private sector organisations leading to internships and graduate program opportunities.

• You will develop change management and sustainability competencies, and learn how to formulate strategies to get the right employees, with the right skills, in the right place at the right time.

• In your final year you will work on a project, applying the skills and knowledge you have acquired throughout this major in order to ensure you are ready to work in human resources.

What you can study

• change management and sustainability

• human resources learning and development

• international human resources

• organisational behaviour

• recruitment and selection

• strategic human resources management

• workplace relations

Career options

• change management consultant

• employee relations manager

• equity and diversity manager

• human resources manager

• human resources policy adviser

• learning and development manager

• occupational health and safety officer/manager

• talent manager

Indigenous Studies

Study this major in the Bachelor of Arts or Bachelor of Social Science.

Description

The Department of Indigenous Studies offers units to students seeking greater knowledge of Australian and other Indigenous societies and cultures.

Indigenous studies is a diverse, interdisciplinary area of study, drawing on a large body of global literature. This major is underpinned by two key principles: Indigenous people as agents of their own destinies within the post-colonial era, and the valuing of Indigenous perspectives and voices. There is also a strong focus on working effectively and ethically with Indigenous people and Indigenous research methodologies.

Key features

• Units from Indigenous studies, education, history, law and human geography are available. These units provide their discipline-specific views on a range of Indigenous issues as part of a broad enquiry into the nature of Indigenous identities in the contemporary world.

• Through this major you will learn how to think outside the constraints and assumptions imposed by western culture and are encouraged to approach issues from an Indigenous perspective.

A major in Indigenous Studies equips you with skills that are essential for living in a diverse and challenging world.

What you can study

• activism and social change

• Indigenous cultures, identities and globalisation

• Indigenous education issues and approaches

• Indigenous health

• Indigenous peoples and the law

• Indigenous peoples in film, television and literature

• Indigenous-settler relations in Australia

Career options

• educator

• Indigenous advocate

• journalist

• public policy officer

• researcher
Interactivity and Games
Study this major in the Bachelor of Arts.

Description
This major focuses on analysing, understanding and producing interactive media and video games. With the rise of interactive technologies such as the internet, social networks and smart phones we are seeing new social practices, dynamics and formations emerge. Similarly, video gaming is fast becoming the most popular and lucrative media form, reshaping how as a society we relax and entertain ourselves. This major is designed to give you the skills and knowledge required to navigate this rapidly changing media landscape.

The unique focus of this major is to give you both the practical skills and the theoretical knowledge to produce complex, original and innovative interactive media products.

Key features
- This is an interdisciplinary major with teaching staff consisting of widely published academics, professional information technology experts and award-winning media producers.
- You will have access to the highest quality media and computing facilities in Australia, with professional studio spaces, industry-standard digital workstations for all production areas, specially equipped computer labs and digital production tools.

What you can study
- animation and modelling
- culture and technology
- game design
- game review and criticism
- media
- multimedia production
- screenwriting
- sound and audio production
- web design

Career options
- digital artist
- digital media policy maker and advocate
- interactive sound designer
- social media, viral and digital marketer
- video game designer
- video game journalist
- website designer

International Business
Study this major in the Bachelor of Arts, Bachelor of Business Leadership and Commerce or Bachelor of Commerce.

Description
This major will be of interest to those contemplating a career with an international focus. It focuses on the institutional side of business which is becoming increasingly important due to the globalisation of the business world. It fosters an understanding of why international business is different and how international business opportunities can be exploited.

Key features
- This major suits those seeking to gain a career in business, perhaps with a large multinational organisation.
- It gives you the flexibility to tailor your study pattern according to your interests. You may prefer to focus on strictly business-relevant units, or you may be interested in units that relate to the wider political, economic and/or cultural context within which international business activities are embedded.
- You will gain an in-depth understanding of the topics that underpin international business activities.

What you can study
- Asian business environment
- business forecasting
- Chinese trade and investment law
- cross-cultural management
- entrepreneurship and new venture management
- global business, society and environment
- international business operations
- international business strategy
- Japanese trade law
- principles of management

Career options
- business analyst
- business development officer
- communications manager
- financial officer
- human development adviser
- import/export manager
- international political adviser
- international relations manager
- international trade adviser
- management consultant
- office manager
- operations analyst
International Communication

Study this major in the Bachelor of Arts.

Description
This major focuses on the flow of information and ideas around the world. It covers issues around the international communication industry (for example, public relations, policy and development campaigns) and global media including convergent technologies.

Areas of study include transnational and intercultural communication, and communication for social change. You will be able to reflect on your own contribution to social justice, equity and sustainability as a global citizen.

You will also develop the ability to analyse the debates and practices related to communication in a variety of contexts that cross national and linguistic boundaries, so you can meet the challenges in real-world contexts.

This major is taught by international staff who bring a broad range of disciplinary and professional perspectives to their teaching. They are active researchers who draw upon diverse cultural experiences.

Key features
- You will develop your research skills, learn how to critically analyse communication processes, and how to communicate effectively across linguistic and cultural boundaries.
- You will learn how to contribute to international, cross-cultural policy development and to shape social interventions.
- You will have the flexibility to shape your studies according to your interests and career ambitions.

What you can study
- communication campaigns
- global communications flows
- global knowledge society
- intercultural relations
- international television
- public relations
- writing for international finance and business

Career options
- diplomat
- journalist
- media adviser
- media producer
- NGOs consultant
- policy maker
- public relations specialist
- social change advocate

International Law and Global Governance

Study this major in the Bachelor of Arts or Bachelor of Laws.

Description
Taught in collaboration between Macquarie Law School and the Department of Modern History, Politics and International Relations, this major provides an introduction to policy development, Australian politics in its global context, international relations and key international law and policy areas. It focuses on policy development relating to internationalisation and global institutions.

Key features
- The unique combination of international relations and law will give you an advanced understanding of policy development at an international level.
- You will develop strong theoretical and practical knowledge of international laws and their impact.

What you can study
- African politics and globalisation
- Australian foreign policy
- Australian politics in a global context
- European law and institutions
- global political economy
- international environmental law
- international human rights law
- international relations
- international relations of the Middle East
- international trade and finance
- introduction to global politics
- law, human rights and global governance
- law of international organisations
- law of the sea
- Middle-East politics
- politics of development theory and practice
- war law

Career options
- diplomatic and consular corps
- government policy adviser
- international business development consultant
- international law adviser/consultant
- international organisation legal adviser or consultant
- lawyer
- non-governmental organisation advocate
- strategy adviser
International Relations
Study this major in the Bachelor of Arts or Bachelor of Social Science.

Description
The study of international relations focuses on the global system and explores how this system originated and functions today. It is concerned with relations among states, the role of international organisations and the foreign policies and power relations of particular countries. Depending on your interests, you will be able to study particular nations or regions of the world and the factors that have shaped their development. The influence of global movements and issues such as environmentalism and religion are also examined.

Key features
• You will achieve a deeper understanding of how the world and its countries work and where you fit into the world as an individual.
• You will develop your understanding of the political, social, economic and legal processes and institutions of the international system.

What you can study
• African politics and globalisation
• American and Australian politics and foreign policy
• global environmental politics
• Islam and the West
• international relations of the Middle East
• political violence
• revolutions
• theories of world politics

Career options
• advocate and lobbyist
• communication adviser
• consultant for NGO or multinational corporation
• diplomat
• journalist
• foreign affairs adviser

Italian Studies
Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description
This major offers you the opportunity to develop not just an understanding of the language, but also the history, society and rich culture of Italy. Units are offered in Italian cinema, the Renaissance and Italian literature. Language classes in Italian range from beginners to advanced level.

By learning Italian you will learn about a country with a remarkably rich cultural and artistic heritage that has significantly influenced Western civilisation and continues to fascinate visitors today.

Australian students with a connection to Italy have an opportunity to explore their heritage and see how Italian migration contributed to the making of modern Australia.

If you wish to use Italian professionally after graduation you should consider combining the study of Italian with a discipline such as accounting, economics, international communication, law, media, politics or science.

Key features
• You are encouraged to study in Italy, either in a residential course organised by the University, or for one or two sessions under various exchange agreements. Some of the institutions Macquarie partners with include Roma Tre University and the University of Bologna.
• Since the Italian language refers, via Latin, to the roots of the English language, a knowledge of Italian can provide perspective and insight to students of linguistics and English literature.

What you can study
• Italian language
• contemporary Italian literature
• culture and history of Italy
• Italian cinema
• readings in Italian
• the Italian Renaissance

Career options
• international trade consultant
• journalist
• public servant
• tourism operator
• translator and interpreter
Japanese Studies

Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description

This major caters to students of all levels from beginners to advanced, offering an inclusive program with units covering not only language, but also Japanese manga/anime, literature, culture and history, and workshops involving translation and interpreting. The study of Japanese can lead to many employment opportunities. Japan is recognised as one of the world’s most industrialised countries and is Australia’s second largest trading partner. Coupled with the popularity of Japanese culture across the world including anime, computer games, cuisine and fashion, knowledge of Japan’s language and culture makes you highly employable.

If you wish to use Japanese professionally after graduation you should consider combining the study of Japanese with a discipline such as accounting, economics, international communication, law, media, politics or science.

Key features

• You will be able to study a number of Japanese units online, including all core Japanese language units.
• You will be encouraged to develop a holistic insight into Japanese language and culture, which also includes intercultural language competency and sensitivity.
• You will be encouraged to study in Japan, either in a residential course organised by the University or for one session under various exchange agreements. Macquarie’s partner institutions are situated from Akita to Okinawa, including Ritsumeikan, Sophia Tokyo Metropolitan, Waseda and Yokohama National universities.

What you can study

• Japanese language, translation and writing
• intercultural communication
• Japanese classical and modern literature
• Japanese history and contemporary society
• Japanese traditional and popular culture
• manga and anime

Career options

• art consultant
• international trade consultant
• journalist
• media producer
• public servant
• teacher (with further study)
• tourism and travel consultant
• translator and interpreter

Linguistics

Study this major in the Bachelor of Arts.

Description

Linguistics is the systematic study of human language and its uses, and applications in human society. It covers areas such as phonetics (the sounds of language), grammar/syntax (the way sentences are constructed) and semantics (the meaning of language).

This major provides you with the opportunity to focus on one or more strands of linguistics, including a systemic functional grammar and discourse analysis approach to grammar and meaning, a socio and cultural/anthropological approach to language study, applied linguistics, and speech and hearing sciences.

Key features

• You will have the opportunity to combine linguistics with a major in an associated area of study – for instance in related disciplines in the humanities and social sciences (Asian or European languages, anthropology, English literature, international studies, media studies, politics or sociology) – either as a double major with linguistics, or a minor in either linguistics or the companion area of study.

What you can study

• analysing new media
• anthropological linguistics
• Australian English
• bilingualism
• exploring English
• grammar and meaning
• language as evidence
• language, culture and communication
• language, globalisation and world Englishes
• language: its structure and use
• language of science and technology
• phonetics and phonology
• psycholinguistics
• second language teaching and learning
• sociolinguistics

Career options

• academic
• broadcaster
• community service language policy adviser
• editor or publisher
• journalist
• language researcher
• language policy, logistics or management roles
• non-government organisations (language policy adviser, logistics or management roles)
• policy researcher/adviser
• public servant (local, state and federal government departments)
Marketing
Study this major in the Bachelor of Arts, Bachelor of Business Leadership and Commerce or Bachelor of Commerce.

Description
Marketing is, in principle, about satisfying the wants and needs of customers. The study of marketing includes understanding how an organisation identifies, anticipates and nurtures customers' wants and needs, then organises resources to satisfy those needs in a way that builds long-term, mutually rewarding relationships between the customer and the organisation.

This major equips you for a professional career in marketing management. Units in the major cover gathering information on consumer needs and the marketing environment, and looks at tools the marketer uses to satisfy those needs – the extended marketing mix. Lectures include the latest developments in marketing theory illustrated with examples of best marketing practice from Australia and major economies overseas.

Key features
- Macquarie's Bachelor of Commerce with a major in Marketing is fully accredited by the Australian Marketing Institute.
- This major has a strong practical orientation combined with sound theory.
- Exciting teaching strategies incorporate computer simulations, guest speakers and community engagement with the traditional lectures and tutorials.
- You may combine the study of marketing with human resources, international business and economics.

What you can study
- brand management
- consumer behaviour
- customer relationship management
- integrated marketing communications
- marketing fundamentals
- marketing management and metrics
- marketing research
- marketing strategy
- social marketing and sustainability
- social media management

Career options
- brand manager
- direct marketing campaign manager
- entrepreneur
- market communications/strategy analyst/adviser
- marketing co-ordinator
- marketing manager
- market research consultant
- product developer
- retail executive
- sales manager
- strategic consultant

Mathematics
Study this major in the Bachelor of Advanced Science, Bachelor of Arts or Bachelor of Science.

Description
From ancient times mathematics has underpinned developments in science and technology. The power of mathematics lies in its unique capacity to use the physical world as inspiration for abstract ideas that can be developed and studied through pure thought and deductive reasoning; providing astonishing insight into all aspects of our environment.

Today and into the future, mathematics has a dynamic application in many areas of science and finance such as computing, biology, physics, communications and environmental science.

A major in mathematics provides unique training in abstract reasoning and problem solving that is highly sought after by a wide range of employers.

Key features
- You will have the flexibility to tailor studies to suit your interests.
- A balanced program of pure and applied mathematics is taught by internationally recognised research mathematicians.
- The uniquely attractive combination of abstract reasoning and quantitative problem-solving skills will enhance your employment opportunities.

What you can study
- advanced mathematics
- astronomy and astrophysics
- biology
- climate science
- electronics
- geophysics
- mathematics
- philosophy (logic)
- physics
- software technology
- statistics

Career options
- data analyst
- financial analyst
- mathematical modeller
- researcher
- statistical analyst
- university lecturer and researcher
Mechanical Engineering
Study this major in the Bachelor of Engineering.

Description
Mechanical engineers analyse, conceptualise, design and manufacture items from the very small (such as micro machines) to the very large (such as aircraft). Mechanical engineers are central to the production of almost every item that we use. Completion of this major as part of the Bachelor of Engineering will prepare you for a career in mechanical engineering.

Key features
• A focus on industry experience culminates in a 12-week minimum final-year project.
• You will have the opportunity to interact with academics on a variety of ground-breaking areas from life sciences to nanofabrication.
• It is possible to combine this major with one of the following as a major or minor of the Bachelor of Engineering: Computer Engineering, Electronics Engineering, Mechatronic Engineering, Software Engineering, Telecommunications Engineering or Wireless Engineering.

What you can study
• engineering dynamics
• engineering materials
• mechanical design
• thermodynamics and fluids

Career options
• application engineer
• automation and industrial instrumentation specialist
• engineering and technical manager
• engineering project manager
• mechanical design engineer
• mechanical engineer
• mechanical project engineer
• micro mechanical engineer
• project and technology manager

Mechatronic Engineering
Study this major in the Bachelor of Engineering.

Description
This is one of the newer fields in engineering. A mechatronic engineer combines the principles of computer, electronics and mechanical engineering when designing, building and managing controls and embedded systems, sensors, actuators and robotic systems. Mechatronic engineering applies to a range of practical applications such as creating intelligent machines and advanced manufacturing and processing systems. Completion of this major as part of the Bachelor of Engineering will prepare you for a career in mechatronic engineering.

Key features
• The Engineering Industry Partnership Program creates opportunities for you to engage with the University's industry partners.
• You will complete a final-year project in a mechatronic industry setting or with one of Macquarie's research groups.
• You can combine this major with one of the following as a major or minor of the Bachelor of Engineering: Computer Engineering, Electronics Engineering, Mechanical Engineering, Software Engineering, Telecommunications Engineering or Wireless Engineering.

What you can study
• digital fundamentals
• linear circuits and devices
• mechatronics
• programmable logic design
• signals and systems

Career options
• avionics specialist
• control systems engineer
• factory automation adviser
• manufacturing engineer
• production engineer
• robotics developer
Media, Culture and Communication
Study this major in the Bachelor of Arts.

Description
This major focuses on the analysis and critique of power relations through the disciplinary frameworks of media studies and cultural studies. You will follow a pathway through the major that embeds a rigorous critical approach to the power relations that manifest in contemporary society.

You will debate our relationships with, and the influence of, media. Units cover cultural, social, political and ethical issues including case studies of domestic and international importance. You will evaluate media and cultural texts in a variety of contexts from the everyday to the world-changing.

Key features
• A wide array of unit choices will help you understand media and other methods of communication.
• You will connect with careers and communities via internships and work-integrated learning opportunities.

What you can study
• culture and technology
• intercultural relations
• international television
• living culture
• media ownership
• media policy and practices
• performance critique
• personal and cultural expression
• professional writing

Career options
• arts administrator
• cultural critic
• educator
• government and community worker
• journalist
• media policy developer
• media producer
• public relations specialist
• publisher

Media, Technology and the Law
Study this major in the Bachelor of Arts or Bachelor of Laws.

Description
This major provides an understanding of the impact of the nexus between technology, media and the law on contemporary society. It explores key media issues like media regulation, the value of free speech, defamation, privacy, intellectual property, and legal restrictions on media. It will also analyse international media policies and new media technologies and their impact on society and the law.

Taught in collaboration between Macquarie Law School; the Faculty of Science; and the Department of Media, Music, Communications and Cultural Studies, the major allows you to combine units from science, media and law to gain a broader understanding of law in the media and technology sphere.

Key features
• You will develop the graduate capabilities that are in demand in workplaces dealing with new and emerging technologies, and will be equipped to address the contemporary issues being faced in legal policy development.
• Legal issues related to the regulation of media and technology will be put in social and cultural context to better understand why and how to shape business decisions.

What you can study
• information technology and society
• information technology law
• intellectual property law
• international media policy
• sociology of media

Career options
• business development adviser
• journalist
• lawyer
• media and technology consultant
• patent adviser
• strategic planner
• talent manager
Modern Greek Studies
Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description
This major provides a sound knowledge of Greek language and culture as well as an understanding of the cultural diversity that defines Australia through a critical analysis of Greek literature and history.

Greek is the language of the first philosophers, physicians and scientists and contributes to a vast number of terminologies across a range of artistic, medical, scientific and social disciplines. It is very much in use in Australia today, with three major Greek newspapers and numerous radio networks in New South Wales alone.

Australian students with a connection to Greece will have an opportunity to explore their heritage and see how Greek migration contributed to the making of modern Australia.

If you wish to use Greek professionally after graduation you should consider combining the study of Greek with a discipline such as accounting, economics, international communication, law, media, politics or science.

Key features
• You will be encouraged to study in Greece, either in a residential course organised by the University, or for one or two sessions under various exchange agreements. You can study at the Aristotle University of Thessaloniki or the University of Athens in Greece.
• This major has the support of The Greek Studies Foundation.

What you can study
• Greek language and translation
• heroes and heroines of Greek mythology
• history of the Greek language
• modern Greek history, theatre and culture
• the Olympic Games

Career options
• educator
• international trade consultant
• journalist
• local government adviser
• media producer
• public servant
• tourism and travel consultant
• translator and interpreter

Modern History
Study this major in the Bachelor of Arts.

Description
Studying modern history gives you a rich perspective on the evolution of today’s complex and rapidly evolving world and equips you with a valuable set of skills in research, analysis of evidence and information retrieval.

First-year units provide a broad introduction to modern history in Australian, European and world history. Upper-level units reflect the University’s strengths in world history, postcolonial history, media history, European history and Australian history.

This major will help you develop an understanding of change management, critical and analytical thinking, communication skills, cultural awareness, problem-solving, social engagement and sound judgement.

Key features
• You will have access to over 6000 pieces of historical documentation and artefacts housed in the University’s Australian History Museum.
• Undertaking this major will give employers evidence that you are articulate, culturally aware and sensitive, informed, and have excellent communication skills.
• Our academics are active researchers who are contributing to one of Australia’s most dynamic and diverse history departments.

What you can study
• American history
• Big history
• European and American relations
• European, British and Australian history
• history of the postmodern world
• history on film
• Indigenous-settler relations in Australia
• popular culture
• religious reform and conflict
• the world since 1945
• travel, tourism and cultural production
• war and peace in world history

Career options
• business administrator
• educator
• gallery and museum curator
• journalist
• public relations specialist
• public sector adviser
• tourism operator
• writer
Music
Study this major in the Bachelor of Arts.

Description
This major combines practical and theoretical components and offers you the opportunity to specialise in your musical interests. You will gain a comprehensive understanding and appreciation of diverse 20th and 21st century musics and industries. It is suited to those wanting to undertake particular musical fields of study such as music production, singing, performance, screen music, popular music studies, avant-garde, and Indigenous and world music. You will be taught by musicians, practitioners and researchers who will prepare you with a range of skills for music and creative practices.

Key features
• Music units are open to all students undertaking a Bachelor of Arts, so prior musical training is not a prerequisite.
• You will be using current technology, ensuring you are equipped with up-to-date skills in the rapidly evolving music industry.
• You can design your study to focus on your interests, including stream selections in music production, and vocal, guitar and rhythm studies and DJ practice.

What you can study
• African drumming
• contemporary theory
• DJ practice
• guitar studies
• music business
• music production and technology
• non-western music
• performance and musicianship
• popular music studies
• screen music and soundtracks
• vocal studies

Career options
• arts and cultural administrator
• community arts practitioner
• concert and event specialist
• management consultant
• music publisher
• music writer/journalist
• musician
• performer
• producer
• researcher
• songwriter
• screen and game music designer

Palaeobiology
Study this major in the Bachelor of Advanced Science or Bachelor of Science.

Description
Macquarie is the only Australian university to offer undergraduate students a full major in palaeobiology. This major provides a ‘deep-time’ perspective to the evolution of life. The melding of palaeobiology with evolutionary biology, genetics and developmental biology allows you to explore the new discipline of ‘evo-devo’ which seeks to determine the ancestral relationship between organisms and an understanding of how developmental processes evolved.

Key features
• You will have the flexibility to tailor studies to suit your interests.
• You will get exposure to a variety of teaching techniques including problem-based learning, group-based work, seminars and poster presentations, and debates/colloquia.
• Most units have a fieldwork component ranging from weekend excursions to eight-day intensive programs.
• All units incorporate significant proportions of research material in the form of case studies, workshops and field programs.
• All units are available online and are offered on campus or by distance education (external study) mode on an annual or biannual basis with some compulsory attendance at weekend on-campus sessions or fieldwork.

What you can study
• applied palaeontology
• conservation palaeontology
• functional morphology
• invertebrate palaeontology and evolution
• macroevolution
• palaeobioogeography
• palaeobiology
• palaeoecology
• phylogeny
• reef evolution and dynamics
• sedimentology
• stratigraphic and biostratigraphic principles
• taphonomic analyses
• taxonomy and cladistics
• zoology

Career options
• curator
• environmental scientist
• exploration geologist
• palaeontologist
• research scientist
• university academic
Philosophy
Study this major in the Bachelor of Arts or Bachelor of Social Science.

Description
As a discipline, philosophy asks, and seeks the answers to, fundamental questions about human life and enquiry. As a way of thinking, it emphasises thinking for yourself rather than relying on someone else’s authority.

This major develops reasoning skills and applies them to fundamental questions such as: How do we know something for sure? Does the body rule the mind, or does the mind rule the body? Does God exist? How is morality related to happiness? Do animals have rights? What would a better society look like? Do films or novels help us to think better?

Because philosophy is such a broad subject, it combines well with a range of other disciplines including science, law, psychology, media, politics and history.

Key features
- By studying philosophy you learn how to think for yourself better: to reflect on your views, to give reasons for them, and to understand and evaluate other positions and arguments.
- The knowledge gained in addressing contemporary issues such as economic inequality, the environmental crisis, gender relations, animal welfare, and Indigenous rights will enhance employment opportunities in a wide range of fields.

What you can study
- aesthetics, philosophy of film and literature
- bioethics and biotechnology
- business and professional ethics
- critical thinking and formal logic
- existential issues
- moral psychology
- social philosophy
- philosophy of biology
- philosophy of cognitive science
- theories of justice

Career options
- advocacy and welfare officer
- artist
- business administrator
- educator
- journalist
- lawyer
- lobbyist
- media producer
- policy consultant
- politician

Photonics
Study this major in the Bachelor of Science.

Description
Photonics, which is the use and application of light, is the basis for products such as DVDs, digital cameras, flat-panel displays, laser scanners, biomedical instrumentation and communication systems. Photonics is also intrinsic to many technologies for medicine, environmental monitoring, advanced computers, machine vision and manufacturing.

This major combines the studies of physics, optics, materials science and electronics in a professionally oriented degree, incorporating nanophotonics, biophotonics, and technologies such as lasers, optical fibres and communications. Australia has a strong tradition in optics and optical fibre technology, and our highly qualified graduates are eagerly sought by employers.

Key features
- You will develop industry-relevant skills including technical writing and communication skills, technology management, and practical skills using modern instrumentation and facilities.
- You will have the opportunity for placement in a local technology company as part of a final-session project, which enhances your employment opportunities.
- You will have the flexibility to tailor studies to suit your interests.
- You can apply for summer vacation scholarships to work on research projects.

What you can study
- computing and information technology
- lasers
- mathematics
- optics
- optoelectronics
- physics
- telecommunications

Career options
- applied physicist
- biomedical technician or researcher
- educator or trainer
- high-technology industry science officer
- optical components specialist
- optical engineer or optical technician
- researcher
- science research support specialist
- technical sales support person
- telecommunications consultant
Physics
Study this major in the Bachelor of Advanced Science or Bachelor of Science.

Description
Physics is fundamental to all natural sciences and plays a central role in the development of new technologies. You will explore basic questions about intrinsic laws of the universe and learn how physics is applied to interdisciplinary fields.

Physics is a core discipline for all science and technology students and will challenge you to explore the underlying principles of all physical phenomena as well as to develop problem-solving skills, good laboratory techniques and skills in numerical analysis, technical writing and oral communication.

Physics at Macquarie employs high-quality, innovative approaches to teaching underpinned by excellent research and strong links with industry, both nationally and internationally.

Key features
• You will have the flexibility to tailor studies to suit your interests.
• Teaching staff are active physics researchers, recognised for their work at a national and international level.
• Practical experience takes place in undergraduate teaching laboratories that are among the best equipped in Australia.
• You can apply for summer vacation scholarships to work on research projects.

What you can study
• astronomy/astrophysics
• condensed matter physics
• electronic engineering
• mathematics
• photonics
• quantum physics
• relativity and cosmology
• theoretical and mathematical physics

Career options
• consultant
• defence scientist
• high-technology industries specialist or technician
• industrial manager or developer
• information technology specialist
• medical physicist
• patent assistant/examiner
• university researcher

Polish Studies
Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description
Language classes for Polish range from beginners to advanced level and extend from language skills to the development of an understanding of the society, culture and history of Poland.

At Macquarie you have the opportunity not just to study this important language, but also to study Polish literature and theatre.

Polish is one of the official languages of the European Union. If you wish to use Polish professionally after graduation you should consider combining the study of Polish with a discipline such as accounting, economics, international communication, law, media, politics or science.

Key features
• The study of Polish at Macquarie is strongly supported by the 100,000-person Polish community in Australia and The Polish Studies Foundation.
• All units are available by distance study.
• You are encouraged to study in Poland, either in a residential course organised by the University, or for one or two sessions under various exchange agreements. Macquarie provides generous travel scholarships to enable you to take up these opportunities.

What you can study
• Polish language and culture
• European history and society
• modern Polish prose and poetry
• modern Polish theatre

Career options
• educator
• international trade consultant
• journalist
• media producer
• public servant
• tourism and travel consultant
• translator and interpreter
Political Economy and Social Policy

Study this major in the Bachelor of Arts or Bachelor of Social Science.

Description

Political economy and social policy is an interdisciplinary study that draws upon economics, law, sociology and politics to explain and understand how political institutions, the political environment and the economy influence each other. This major combines these economic and political studies with the study of social issues and the development of public policy.

The combination of social science disciplines including economics, politics and sociology allows you to develop an interdisciplinary understanding of the social and economic worlds. These skills are useful in a range of workplaces, particularly in the public and non-government sectors where you are expected to have knowledge of policy, economic processes and social analysis.

Key features

• The unique interdisciplinary approach to political economy allows you to more deeply understand the relationships between economic, social and political issues.
• You will learn skills and theories that will allow you to contribute to international, cross-cultural policy development and to shape social interventions.

What you can study

• Australian and global societies
• economics
• economy and society
• human services and care
• macroeconomic and microeconomic principles
• methods of social research
• migration and multicultural studies
• social inequality and human rights
• social policy
• South-East and East Asian economics
• work and employment
• workplace relations

Career options

• advocate
• journalist
• local, state or federal government officer
• policy maker
• public servant
• social researcher
• trade union representative

Politics

Study this major in the Bachelor of Arts or Bachelor of Social Science.

Description

Politics is broadly concerned with the way societies are structured and with the distribution of authority, power and influence. It is the means by which collective decisions are reached. The study of politics incorporates a variety of subject matter and a range of different theoretical approaches.

At Macquarie you are taught units in Australian politics, public policy, political theory and international relations. Australian politics familiarises you with institutional structures and recent political history, introducing political concepts and analytical approaches that can be applied to the politics of Australia and other areas of the world.

Public policy covers the processes of policy formulation, implementation and evaluation. In political theory you will learn about political ideas and major debates on democracy, freedom, justice and civil society. International relations covers world politics, the relations between states, and international institutions.

Key features

• You will achieve a deeper understanding of how the world and its countries work and where you fit into the world as an individual.
• You will be prepared for many high profile and interesting careers through your ability to better understand the world around you, to critically analyse it and the people in it, and to formulate effective and engaging arguments.

What you can study

• African politics and globalisation
• American and Australian politics and foreign policy
• Australian government and public policy
• global environmental politics
• Middle-East politics
• political theory and political thought in action
• political violence
• religion and politics
• revolutions

Career options

• advocate and lobbyist
• consultant
• foreign affairs adviser
• journalist
• local, state and federal government officer
• marketing and advertising specialist
• media and communication adviser
• public policy adviser
• trade union representative
Psychological Science
Study this major in the Bachelor of Arts, Bachelor of Commerce, Bachelor of Science or Bachelor of Social Science.

Description
If you are interested in psychology but do not have the ATAR needed for entry to the accredited psychology degrees, you may undertake this major once you have completed 12 credit points and achieved a grade point average of 2.0.
The major provides a useful understanding of psychological principles and training in psychology for careers requiring an understanding of human behaviour. It is a general program with the flexibility to study a range of areas of interest in addition to a minimum number of psychology units. This major does not lead to further study in psychology.

Key features
- The Bachelor of Arts with a major in Psychological Science allows you to choose units from across the University, whereas the Bachelor of Science with a major in Psychological Science requires a proportion of units to be science-designated.
- If you have achieved the ATAR for entry to either the Bachelor of Arts – Psychology or Bachelor of Science – Psychology, but wish to major in Psychological Science as opposed to doing an accredited degree in psychology, you may enrol in the Psychological Science major from commencement of your study.
- If you achieve a grade point average of 2.0 on completion of 12 credit points you may transfer internally to the Bachelor of Arts – Psychology or Bachelor of Science – Psychology, both of which are accredited by the Australian Psychology Accreditation Council (APAC) and count towards the first three years of psychology training.

What you can study
- biopsychology and learning
- cognitive processes
- design and statistics
- developmental psychology
- perception
- principles of psychological assessment
- social and personality psychology

Career options
- community and environment services planner
- corporate market research assistant
- criminology researcher/report writer
- environmental health department researcher
- government laboratory researcher/report writer
- human resources manager
- information technology resources analyst
- marketing manager
- pharmaceutical industry representative
- training consultant
- science education services planner

Public Health: Policy and Promotion
Study this major in the Bachelor of Human Sciences.

Description
Human health is determined by environmental and social factors and many of these are closely related. In this major you learn about how health policy is developed and how health promotion is conducted in local and global settings.
Suitable for those interested in the political, social, environmental and economic contexts of health, it provides an interdisciplinary view of health and an integrated awareness of the determinants, distribution and consequences of health and ill-health in society.

Key features
- A health placement is completed in the final year, providing the opportunity for practical, workplace-based learning in a health-related field which is appealing to employers.

What you can study
- anthropology
- biology
- contemporary health issues
- demography
- epidemiology
- health promotion
- human geography
- legal, ethical and policy directions in health
- politics
- sociology

Career options
- health management and administration
- health promotion and education
- health research
- public health
Public Policy, Law and Governance
Study this major in the Bachelor of Arts, Bachelor of Laws or Bachelor of Social Science.

Description
This major provides you with high-level professional skills to solve real public policy problems in Australia and the global community. You will be mentored by an interdisciplinary team of experts to execute political analysis, negotiate with stakeholders and generate professional law reform proposals. Your work will address current and emerging socio-economic challenges in human rights, corporate governance, sustainability, national security, crime, youth justice, public health and biotechnology frontiers. This leadership program prepares you for diverse professional careers in government, industry, community advocacy and international relations.

Key features
• Taught in partnership between the Macquarie Law School and the Department of Modern History, Politics and International Relations, this major will develop your skills so that you are able to address contemporary problems in public policy development.
• This project-driven major provides direct participation in real-world problem-solving through tailored PACE and capstone units.
• You will graduate with a portfolio of policy proposals that will demonstrate your in-depth understanding of policy development to future employers.

What you can study
• Australian foreign policy
• Australian governments and public policy
• Australian politics in a global context
• crime, policy and governance
• law, institutions and people
• media politics
• policy making in a global era
• religion and politics
• social innovation, governance and professional leadership

Career options
• advocate and lobbyist
• foreign affairs adviser
• government and public sector consultant
• media and communication specialist
• policy developer
• researcher

Russian Studies
Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description
This major develops proficiency in the Russian language and provides a strong understanding of the culture, history and society of Russia. In your final year you will undertake a research project written in either English or Russian. Russian is one of the official languages of the United Nations and with the increased foreign investment in the Russian economy, graduates with Russian language skills are in high demand in the workplace. If you wish to use Russian professionally after graduation you should consider combining the study of Russian with a discipline such as accounting, economics, international communication, law, media, politics or science.

Key features
• You will find your knowledge of Russian of great value in whatever career you choose, whether in a government/diplomatic role, in European business, or in an academic role specialising in the history or politics of Russia.
• You are encouraged to study in Russia, either in a residential course organised by the University or for one or two sessions under various exchange agreements. Macquarie provides generous travel scholarships to enable you to take up these opportunities.
• Units within this major, including language, culture and cinema, are taught by highly qualified native Russian speakers.

What you can study
• Russian language
• Russian cinema
• Russian society and culture
• women in Russian culture

Career options
• educator
• international trade consultant
• journalist
• public servant
• tourism and travel consultant
• translator and interpreter
Social Justice
Study this major in the Bachelor of Arts, Bachelor of Laws or Bachelor of Social Science.

Description
This unique major focuses on the development of legal policy around social issues, including discrimination, equality, fairness, and conflict between the private and public spheres. It explores the interplay of individual rights in societies governed by the rule of law.

You will develop fundamental skills in policy development and analysis and have the option to select from a range of sociology, cultural studies, gender studies and philosophy units.

Key features
- Studies in social justice will allow you to understand law in a broader context, particularly its impact on many contemporary social issues.
- You can explore career pathways in government, welfare, the public and private sector, and education.

What you can study
- discrimination and the law
- family law
- health law and ethics
- human rights
- Indigenous peoples and the law
- law and religion
- law, human rights and global governance

Career options
- consultant
- lawyer
- policy adviser
- policy and development officer
- politics
- strategic campaigner
- welfare advocate

Sociolinguistics
Study this major in the Bachelor of Social Science.

Description
This major involves the systematic study of the connections between human language and human society.

A sociolinguist asks questions about language and its use in relation to topics such as social dimensions (age, class, and gender); bilingualism; power and inequality, cultural beliefs, values and practices; socialisation; interaction; social identities and roles; and language variation across time and space.

Key features
- Social science graduates are prized by employers for their range of skills, their knowledge of research methodologies, and their capability to work both autonomously and in group or team settings.
- This major gives you the opportunity to combine sociolinguistics with a major in an associated area of study – for instance in related disciplines in the humanities and social sciences (Asian or European languages, anthropology, English literature, international studies, media studies, politics, sociology) – as either a double major with sociolinguistics or a minor in either sociolinguistics or the companion area of study.
- This major offers the opportunity for internships with well-known organisations in the government, private and non-profit sectors.

What you can study
- analysing new media
- anthropological linguistics
- Australian English
- bilingualism
- phonetics and phonology
- psycholinguistics
- second language teaching and learning
- sociolinguistics

Career options
- broadcaster
- community service language policy adviser
- education policy adviser
- government immigrants and language policy adviser
- industry training program manager
- journalist
- library/archives manager
- non-government organisation (language policy adviser, logistics, management roles)
- public servant (local, state and federal government departments)
- research and policy adviser
Sociology
Study this major in the Bachelor of Arts or Bachelor of Social Science.

Description
We live in an increasingly dynamic world with divisions between rich and poor, citizens and refugees, men and women, East and West, black and white, Christian and Muslim – the list is endless. These divisions structure the web of our social relationships. Sociologists are interested in exploring these relationships, how they become institutionalised, and the many tensions that arise from them. This major focuses on the dynamics of these social relationships and the processes of social change in contemporary societies.

Key features
• The unique combination of applied social research and social theory will give you an in-depth understanding of culturally diverse social environments.
• Undertaking this major will give employers evidence of your ability to draw together theoretical and conceptual ideas, research design, research methods and the analysis of data.
• Social research skills are in high demand in a diverse range of fields including public policy, social policy, human resources, community activism, social planning and industrial relations.
• You are encouraged to connect with careers and communities via internship and work-integrated learning opportunities.

What you can study
• Australian society
• care and human services
• crime, justice and society
• cultural sociology
• economy and society
• gender studies
• generations, childhood, adulthood and old age
• internships in social research
• love, sex and friendship
• methods of social research
• migration and multicultural studies
• social inequality and social policy
• sociology of food and eating

Career options
• human resources manager
• international aid worker
• journalist
• market/social researcher
• media producer
• policy analyst
• social planner
• union or community sector researcher
• university researcher or lecturer

Software Engineering
Study this major in the Bachelor of Engineering.

Description
Software engineers create, maintain and modify computer and software programs such as operating systems, communications software, utility programs and compilers. They design and develop many types of software including computer games, operating systems, network control systems, middleware and business applications to meet specific business needs.

Completion of this major as part of the Bachelor of Engineering will prepare you for a career in software engineering.

Key features
• The Engineering Industry Partnership Program creates opportunities for you to engage with the University’s industry partners.
• You will complete a final year project in a software industry setting, or with one of Macquarie’s research groups.
• It is possible to combine this major with one of the following as a major or minor of the Bachelor of Engineering: Computer Engineering, Electronics Engineering, Mechanical Engineering, Mechatronic Engineering, Telecommunications Engineering or Wireless Engineering.

What you can study
• algorithms and data structures
• computer science
• digital fundamentals
• programming languages
• software engineering

Career options
• business systems designer
• computer and communication network engineer
• engineering researcher
• financial analyst and software modeller
• planning/policy analyst
• project and technology manager
• software designer and developer
• systems developer
Spanish and Latin American Studies

Study this major in the Bachelor of Arts or Bachelor of Global Business.

Description
As a student of Spanish and Latin American Studies you will develop Spanish-language proficiency so that you can function in a natural, spontaneous and efficient way in any Spanish-speaking environment.

Language units are offered from beginners to advanced level. You will also become familiar with the main social, political, economic and cultural issues of Spanish-speaking societies, and engage with themes of rebellion, repression, passion and mobility that inform Spanish and Latin American worlds.

With Spanish one of the most widely spoken languages in the world alongside Chinese and English, and over 80,000 speakers of Spanish in Australia alone, the study of this language will help you to travel the world.

If you wish to use Spanish professionally after graduation you should consider combining the study of Spanish with a discipline such as accounting, economics, international communication, law, media, politics or science.

Key features
• For students studying literature and creative arts, an understanding of Spanish will provide insight into the Spanish and Latin American influence on English-speaking traditions and culture ranging from Don Quixote to the modern literary works of the Latin American Boom; musical genres such as tango, salsa and merengue; and films featuring Spanish and Latin American actors, writers and directors.
• You are encouraged to study in Spain or Latin America, either in a residential course organised by the University, or for one or two sessions under various exchange agreements. Some of the countries where you can study as part of the exchange program include Argentina, Chile, Colombia, Peru, Spain and Uruguay.

What you can study
• accounting
• algorithmics
• computer networks
• discrete mathematics
• e-commerce
• economics
• information systems
• natural language technology
• programming
• software engineering
• statistics
• web technology

Career options
• communication systems analyst
• computer scientist
• database administrator
• games developer
• IT consultant
• software developer
• systems analyst

Software Technology

Study this major in the Bachelor of Advanced Science, Bachelor of Arts, Bachelor of Information Technology or Bachelor of Science.

Description
Software technology is about building and using systems for productive and leisure activities as well as understanding the fundamental principles that underlie such systems. This major focuses on studying algorithms, data structures and the principles of building quality software.

Key features
• You will have the flexibility to tailor studies to suit your interests.
• Your employment opportunities are enhanced through a strong emphasis on practical work using several modern programming languages and current commercial database software.
• You will study a broad range of information technology areas, from business and management skills, to studies and experience in software or electronic and communication engineering.
• A variety of elective units can be chosen in the areas of networks, artificial intelligence, databases, computer graphics, security technologies, game theory and web technology.

What you can study
• accounting
• algorithmics
• computer networks
• discrete mathematics
• e-commerce
• economics
• information systems
• natural language technology
• programming
• software engineering
• statistics
• web technology

Career options
• communication systems analyst
• computer scientist
• database administrator
• games developer
• IT consultant
• software developer
• systems analyst
Spatial Information Science
Study this major in the Bachelor of Environment or Bachelor of Science.

Description
Spatial Information Science is concerned with the measurement, management, analysis and display of spatial information describing the Earth, its physical features and the built environment. It is important in the management of the local environment. Applications include protecting wetlands, mineral exploration, routing emergency vehicles, optimising locations for new infrastructure, and modelling climate change and land degradation. The field covers a wide range of technologies including geographic information systems, remote sensing, global positioning systems and digital aerial photography.

This major can be combined with others such as Climate Science, Environmental Earth Science, Environmental Management or Human Geography.

Key features
- A focus on practical work enhances the development of your skills and problem-solving abilities.
- You will use the latest spatial information science computer software.
- Some units can be undertaken by distance education (external study) mode.
- You will have the flexibility to tailor studies to suit your interests.

What you can study
- biology
- climate science
- computing and information systems
- environmental Earth science
- environmental management
- geology
- human geography

Career options
- bushfire analyst
- census data analyst
- defence employee
- disaster mitigation manager or risk assessor
- environmental analyst
- erosion, salinity and agricultural assessor
- GIS (geographic information systems) officer
- health incidents analyst
- marine environment manager
- resource planner
- spatial information analyst
- traffic and route analyst
- urban redevelopment planner
- water resources planner

Statistics
Study this major in the Bachelor of Arts, Bachelor of Science or Bachelor of Social Science.

Description
Statistics as a discipline is the development and application of methods for collecting, analysing and interpreting data. It is the science of learning from data or converting data into knowledge, and is an essential tool in the modern world with its proliferation of data. One of the aims of statistics is to produce the ‘best’ information from available data by reducing uncertainty in the decision-making process and detecting patterns in the data. Another aim is to design experiments and other data collection methods to assist decision making by estimating the present and/or predicting the future. Statistics is applicable to a wide variety of academic disciplines, from the physical and social sciences to the humanities, and is used for making informed decisions in all areas of business and government.

Key features
- The comprehensive study of core disciplinary units in addition to a capstone unit in Statistical Consulting enhances your employment opportunities.
- You will have opportunities to broaden your field of knowledge through interdisciplinary study.

What you can study
- biostatistics and epidemiology
- design of surveys and experiments
- gambling, sport and medicine
- graphics, multivariate methods and data mining
- introductory statistics
- linear models
- market research and forecasting
- statistical computing
- statistical consulting
- statistical theory

Career options
- business analyst
- data analyst
- pharmaceutical engineer
- quality analyst
- quantitative analyst
- researcher
- risk analyst
- statistician
Telecommunications Engineering
Study this major in the Bachelor of Engineering.

**Description**
Telecommunications engineers design, build and manage systems that carry out the transmission, processing and storage of information as electrical or optical signals over complex networks. They work in fields such as telephone and internet networks, radio and television broadcasting and satellite communications. Completion of this major as part of the Bachelor of Engineering will prepare you for a career in telecommunications engineering.

**Key features**
- The Engineering Industry Partnership Program creates opportunities for you to engage with the University’s industry partners.
- You will complete a final-year project in a telecommunications industry setting, or with one of Macquarie’s research groups.
- It is possible to combine this major with one of the following as a major or minor of the Bachelor of Engineering: Computer Engineering, Electronics Engineering, Mechanical Engineering, Mechatronic Engineering, Software Engineering or Wireless Engineering.

**What you can study**
- communication systems
- computer networks
- computer science
- digital fundamentals
- electronic systems

**Career options**
- computer and communications network engineer
- electronics design and manufacturing engineer
- research and development engineer
- telecommunication systems engineer
- telecommunications sales engineer

Web Design and Development
Study this major in the Bachelor of Information Technology or Bachelor of Science.

**Description**
This major delivers sound training in the latest web technologies that are relevant to build client-server web applications. It provides insight into state-of-the-art web design practice and addresses emerging topics such as cloud-computing or the web as a big-data platform. After working on a capstone project in industry in your final year, you will be able to transform user requirements into industry-standard web applications using your design and programming skills.

**Key features**
- This unique interdisciplinary major is offered in collaboration between the Department of Computing and the Department of Media, Music, Communication and Cultural Studies.
- You will study practically relevant topics from interactive web design to complete client-server applications.
- You will learn about the latest web standards and how to design for the portable web.
- You will learn how to link, share and reuse data across application, enterprise and community boundaries.

**What you can study**
- databases
- data communications
- document processing
- e-commerce technologies
- media production
- system design
- web design
- web technology

**Career options**
- cloud researcher
- content developer
- e-commerce manager
- project manager
- semantic web researcher
- web designer
- web producer
- web programmer
Wireless Engineering

Study this major in the Bachelor of Engineering.

Description
Wireless engineering involves designing, constructing and managing systems that transmit and broadcast information using wireless signals including radio waves and microwaves. You will study wireless and mobile telephone networking systems and related technologies with potential involvement in the field of wireless medical applications.

Completion of this major as part of the Bachelor of Engineering will prepare you for a career in telecommunications engineering.

Key features
- The Engineering Industry Partnership Program creates opportunities to engage with the University’s industry partners.
- You will complete a final-year project in a wireless, communications or related industry setting, or with one of Macquarie’s research groups.
- It is possible to combine this major with one of the following as a major or minor of the Bachelor of Engineering: Computer Engineering, Electronics Engineering, Mechanical Engineering, Mechatronic Engineering, Software Engineering or Telecommunications Engineering.

What you can study
- antennas and propagation
- communications networks
- computer science
- electronic systems
- wireless systems

Career options
- network and wireless engineer
- research and development engineer
- wireless and communications network engineer
- wireless systems engineer

Writing

Study this major in the Bachelor of Arts.

Description
This major enables you to focus on writing while choosing a direction that suits your personal and career goals. Study choices vary across genres from novel writing and poetry to literary journalism and scriptwriting for screen.

As well as learning how to write by coming up with creative ideas and putting them into practice through writing, revising, and workshopping, you will also learn about the production and publishing contexts in which writing occurs, and the cultural and social issues that surround and shape writing both here in Australia and internationally.

Key features
- You will be taught by lecturers who are practising writers with contemporary skills and publications. Our staff include published, award-winning writers Peter Doyle, Marcelle Freiman, Jane Messer, Rebecca Giggs, Kate Rossmanith, and filmmaker Kathryn Millard.
- By completing this major you will have a portfolio of works to showcase your writing abilities. In the capstone unit you publish your final works in The Quarry e-journal.
- Many of our undergraduate students publish their creative writing or have had film productions made, as well as continuing on to masters and PhD study.

What you can study
- creative writing – novel, poetry, short story
- music and arts journalism
- screenwriting
- travel writing
- writing for the media

Career options
- advertising copywriter
- book, magazine and e-publisher
- broadcaster
- corporate communications specialist
- creative content producer
- journalist
- media producer
- professional writer
- screen and game writer
- web manager or web writer
# FACULTY OF ARTS

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### FACULTY OF HUMAN SCIENCES

#### Education and teaching

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<td>B Science – Psychology</td>
<td>3F/EpP</td>
<td>83.20</td>
<td>300129</td>
</tr>
</tbody>
</table>

### Notes
- **F** = full-time
- **EpP** = equivalent part-time
- **D/P** = distance part-time
- **N/A** = ATAR 2014 cut-off not applicable
- **nc** = new course
- **de** = direct entry
- *** = graduate entry only**
- **# = available to ATSI students only**
### FACULTY OF SCIENCE

**Earth and environmental science**

<table>
<thead>
<tr>
<th>Page</th>
<th>Undergraduate degree</th>
<th>Pattern of attendance</th>
<th>ATAR 2014 cut-offs</th>
<th>UAC code</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>B Biodiversity and Conservation</td>
<td>3F/EqP</td>
<td>76.50</td>
<td>300532</td>
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<tr>
<td>103</td>
<td>B Environment</td>
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<td>84.00</td>
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<tr>
<td>37</td>
<td>B Environment with B Laws</td>
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<td>97.35</td>
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<tr>
<td>104</td>
<td>B Marine Science</td>
<td>3F/EqP</td>
<td>78.75</td>
<td>300515</td>
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<tr>
<td>105</td>
<td>B Planning</td>
<td>4F/EqP</td>
<td>78.40</td>
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**Engineering**

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<th>Pattern of attendance</th>
<th>ATAR 2014 cut-offs</th>
<th>UAC code</th>
</tr>
</thead>
<tbody>
<tr>
<td>108</td>
<td>B Engineering with majors in computer, electronics, mechanical, mechatronic, software, telecommunications, wireless</td>
<td>4F/EqP</td>
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<tr>
<td>6, 108</td>
<td>B Engineering with B Arts</td>
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<tr>
<td>58, 108</td>
<td>B Engineering with B Commerce</td>
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<td>81.45</td>
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<tr>
<td>108, 124</td>
<td>B Engineering with B Science</td>
<td>5F/EqP</td>
<td>80.00</td>
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**Information technology**

<table>
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<tr>
<th>Page</th>
<th>Undergraduate degree</th>
<th>Pattern of attendance</th>
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<tbody>
<tr>
<td>112</td>
<td>B eBusiness</td>
<td>3F/EqP</td>
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<td>113</td>
<td>B Information Technology</td>
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<td>114</td>
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**Medical sciences**

<table>
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</thead>
<tbody>
<tr>
<td>118</td>
<td>B Chiropractic Science</td>
<td>3F</td>
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<tr>
<td>119</td>
<td>B Medical Sciences</td>
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**Science**

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<tr>
<td>52, 124</td>
<td>B Actuarial Studies with B Science</td>
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<td>122</td>
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<tr>
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<tr>
<td>58, 124</td>
<td>B Commerce with B Science</td>
<td>4F/EqP</td>
<td>81.45</td>
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<tr>
<td>108, 124</td>
<td>B Engineering with B Science</td>
<td>5F/EqP</td>
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<tr>
<td>104</td>
<td>B Marine Science</td>
<td>3F/EqP</td>
<td>78.75</td>
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<tr>
<td>124</td>
<td>B Science</td>
<td>3F/EqP</td>
<td>75.00</td>
<td>300517</td>
</tr>
<tr>
<td>124</td>
<td>B Science (Distance)</td>
<td>3F/EqP</td>
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<tr>
<td>96</td>
<td>B Science – Psychology</td>
<td>3F/EqP</td>
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<td>300129</td>
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<td>80</td>
<td>B Science with B Education (Secondary)</td>
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<td>75.00</td>
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<td>41</td>
<td>B Science with B Laws</td>
<td>5F/EqP</td>
<td>95.90</td>
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</tbody>
</table>
Double degrees

Double degrees fast-track your study – you usually complete double degrees one or even two years faster than consecutive single degrees. You also increase your career flexibility and enrich your studies by studying a double degree, which is structured to allow different areas of knowledge to feed into each other.

There’s a double degree to suit your needs

Macquarie offers double degrees spanning a wide range of areas of study. You can combine almost any field of study such as commerce with engineering, environment with law, or actuarial studies with science.

This versatility makes double degrees ideal if you have interests in a number of areas and wish to ‘test drive’ various fields; if you have two strong, complementary interests; or if you recognise the increasingly interdisciplinary nature of study and work.

The possibilities, and opportunities, are endless.

Get qualified sooner

Double degrees can be structured in two ways to save you time.

Some degrees give you choice in how you structure your studies, such as the Bachelor of Arts with Bachelor of Science, while others provide a more structured approach, such as the Bachelor of Arts with Bachelor of Laws.

In either structure you save time. Double degrees allow you to complete two degrees in less time than it would take to complete each separately.

• increase your flexibility and choice
• combine fields to enrich your studies
• increase your career prospects
• develop your ability to transfer knowledge
• meet students with diverse interests and backgrounds
• gain a broad range of complementary skills
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Max Turner
Bachelor of Arts
with Bachelor of Laws