Faculty of Arts

Member Units

School of English Literatures, Philosophy and Languages

English Studies Program

Modern Languages Program

Philosophy Program

School of History and Politics

History Program

Politics Program

School of Social Sciences, Media and Communication

Communication and Cultural Studies Program

Science, Technology and Society Program

Sociology Program

[Note: The Aboriginal Education Centre, which administers the Aboriginal Studies Major, is an Associate Member Unit of the Faculty of Arts]

Degrees Offered

Single Degrees

Bachelor of Arts

Bachelor of Arts (Dean's Scholars)

Bachelor of Arts (Community and Environment)*

Bachelor of Communication and Media Studies

Double Degrees

Bachelor of Arts - Bachelor of Commerce

Bachelor of Arts - Bachelor of Laws

Bachelor of Creative Arts - Bachelor of Arts

Bachelor of Engineering - Bachelor of Arts

Bachelor of Science - Bachelor of Arts

Bachelor of Communication and Media Studies – Bachelor of Arts

Bachelor of Communication and Media Studies – Bachelor of Commerce

Bachelor of Communication and Media Studies – Bachelor of Creative Arts

Bachelor of Communication and Media Studies – Bachelor of Laws

Bachelor of Communication and Media Studies – Bachelor of Science

** Only available at Shoalhaven, Batemans Bay, Bega or Moss Vale*

Bachelor Of Arts

Testamur Title:	Bachelor of Arts
Abbreviation:	BA
Home Faculty:	Faculty of Arts
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Standard Course Fee:	HECS (local); $6,400 AUD per session (international)
Location:	Wollongong
UOW Course Code:	702
UAC Code:	753101
CRICOS Code:	000612E

Overview

A Bachelor of Arts degree is one of the traditional and most popular university degrees, though it has changed in shape and content through the years and from country to country. The BA today is made up of subjects with origins in the humanities — history, literature, languages and philosophy. During the nineteenth century the disciplines we now know as the social sciences developed — economics, sociology, psychology, anthropology and geography. While Universities organise themselves in a variety of ways, these and related disciplines are generally included in an Arts degree, even if they are not located in an Arts Faculty.

The Australian pattern of study for a BA has been a focused sequence of subjects that forms a 'major' in a wider pattern of subjects that provide a broader knowledge of humanities and social sciences. The major can take many forms, with the unity and coherence of the degree constructed in one of two ways. The study of a discipline can form the basis of the sequence of studies, giving students a developing set of skills in 'doing' the discipline while they acquire a set of conceptual frameworks and a body of knowledge interpreted using those frameworks. That is, within the study of 'history', students learn how to research and write history as well as how to read what historians have thought about the past. An area of studies can also form the focus of a degree. Asia- pacific studies, science and technology studies and communication studies are three examples of study areas offered at the University of Wollongong. Students learn skills from several disciplines while working on a particular theme or area, for example, history and literature of a region or sociological, political and textual approaches to film.

Advanced Standing

Information about Approved Credit Transfer Arrangements is available at
http://www.uow.edu.au/handbook/advancedstanding/

Entry Requirements / Assumed Knowledge

NSW HSC entry through UAC:
Students apply through UAC and satisfy the UAI requirement for the year of application. Assumed knowledge: any two units of English.

Other secondary qualifications:
Students with secondary qualifications outside NSW will be considered on a case-by-case basis.

Tertiary Qualifications
Applications will be considered from students with the following tertiary qualifications:
A completed Associate Diploma, Diploma or Advanced Diploma from TAFE or another accredited institution;
Not less that one-sixth of a Bachelor degree from an approved University;
Other tertiary courses approved by the University of Wollongong.

Overseas qualifications
Students with tertiary qualifications obtained overseas will be considered provided that they satisfy University's minimum admission requirements.

Alternative Entry (Domestic applicants)
STAT test
UAP
Aboriginal and Torres Strait islander alternative entry program

Course Requirements

The Bachelor of Arts is made up of 144 credit points of subjects listed in the course structures for the Faculty of Arts or the General Schedule. In their first two semesters of study, students must undertake at least 12 credit points in subjects taught by member units of the Faculty of Arts. No more than 60 credit points of 100-level subjects may be counted in the degree. Students should refer to the Award Rules for the Bachelor of Arts for further details.

Students must complete one major study but may undertake two major studies within the normal requirements of the degree. Completed major studies are noted on the student's testamur, awarded at Graduation. The degree does not have subjects compulsory for all students, but individual majors may have compulsory subjects.

Major Study Areas from the Faculty of Arts:
Students enrolled in the Bachelor of Arts within the Faculty of Arts must take one of these majors:
Aboriginal Studies
Asia-Pacific Studies
Australian Studies
Communication Studies
Community and Environment*
English Language and Linguistics
English Studies
European Studies
French
Gender Studies
History
History and Politics Joint Major
Information Studies
Italian
Japanese
Philosophy
Politics
Resource and Environmental Studies
Science, Technology and Society
Sociology
**available at the Shoalhaven Campus and the Bega, Batemans Bay and Moss Vale access centres only. For details see the Bachelor of Arts (Community and Environment).*

Minor Studies in Languages Other Than English:
French
Italian
Japanese
Spanish

Arts Internship Subject (see subject description for ARTS301)

Major Study areas offered by other Faculties
The following major study areas are offered by other faculties and may be taken as second majors only:
Accountancy
Economics
Education
Human Geography, Physical Geography, Geology,
Legal Studies
Management
Marketing
Mathematics and Applied Statistics
Psychology

Assessment

Assessment in this course varies between subjects and programs, but typically can include a combination of essays, tutorial/seminar presentations, WebCT exercises and in some subjects, in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Honours

See separate entry for the Bachelor of Arts (Honours)

The Faculty of Arts Honours Handbook can be accessed as a PDF document at the following web address:
http://www.uow.edu.au/arts/current/honsb.pdf

Major Study Areas from the Faculty of Arts

Aboriginal Studies

Aboriginal Studies is an interdisciplinary major which links together subjects in a number of Programs in the Faculty of Arts as well as subjects offered by the Faculties of Creative Arts, Education, Law, Science and Health and Behavioural Sciences, to provide Aboriginal and non-Aboriginal students with a coherent program in the study of Aboriginal Australia.

Major Study
The major consists of four core subjects offered by the Aboriginal Education Centre together with a choice of subjects offered by participating Programs and Faculties. Because it is anticipated that the number of subjects available in the major will expand, students are advised to consult with the Aboriginal Education Centre about available subjects prior to enrolment.

A major in Aboriginal Studies requires the completion of a minimum of 52 credit points, consisting of at least 12 credit points at 100-level, 16 credit points at 200-level and 24 credit points at 300-level including the four core subjects ABST100, ABST200, ABST300 and ABST301. The core subjects are currently under review. SOC231 and SOC306 are strongly recommended as preparatory subjects, for attempting ABST350 in the final year of the major. Quotas may be applied to entry to the major in Aboriginal Studies, including entry to ABST100.

Double Major
Because Aboriginal Studies subjects are drawn largely from the offerings of a number of Programs and Faculties, it is possible for students to complete a second major. Students are encouraged to look closely at this option, particularly if they are contemplating postgraduate study.

Study Program

Subjects	Title	Session	Credit Points
100-level Core			
ABST100	Introduction to Aboriginal Cultures	Spring	6
Electives: at least 6 credit points chosen from the following:			
ABST150	Introduction to Aboriginal Australia	Autumn and Spring	6
ENGL113	Contemporary Writing in Australia	N/O 2004	6
LAW344	Indigenous Peoples and Legal Systems	N/O 2004	6
NURS140	Introductory Communication Studies	N/O 2004	6
STS120	Technology in Society: East and West	Spring	6
VIS123	Introduction to Aboriginal Arts and Society	N/O 2004	6
200-level Core			
ABST200	Aboriginal History Since Invasion	Autumn	8
Electives: at least 8 credit points chosen from the following:			
AUST246	A Sociology of Australia's Indigenous Peoples: Contemporary Issues and Debates	Spring	8
HIST218	Consensus, Conflict and Culture: Australia 1888-1988	Autumn	8
LAW344	Indigenous Peoples and Legal Systems	N/O 2004	6
NURS240	Current Services in Aboriginal Health	N/O 2004	6
NURS242	Functional Community Structures	Autumn	6
PHIL232	Political Philosophy	Spring	8
SOC231	Social Analysis	Spring	8
STS220	Technology in Society: East and West	Spring	6
STS221	Technology in Society: East and West	Spring	8
VIS223	Aboriginal Art and Land		6
300-level Core			
ABST300	Indigenous Theories of Decolonisation	Spring	8
ABST301	Research Methods and Issues in Aboriginal Studies *(As ABST301 is not available in 2004; please see coordinator for a substitute)	N/O 2004	8
Electives: at least 8 credit points chosen from the following:			
ABST350	Special Topic in Aboriginal Studies	N/O 2004	8
ABST361	Issues in Aboriginal Education	Autumn	8
ABST362	Aboriginal Pedagogy	Spring	8
AUST300	Twentieth Century Australian Literary Culture	Spring	8
EDUE301	Issues in Aboriginal Education	Autumn	6
EDUE302	Aboriginal Pedagogy	Autumn	6
ENGL371	Twentieth Century Australian Literary Culture	Spring	8
HIST380	Twentieth Century Australian Literary Culture	Spring	8
LAW344	Indigenous Peoples and Legal Systems	N/O 2004	6
NURS345	Health and Human Ecology	N/O 2004	6
PHIL390	Contemporary Political Philosophy	Autumn	8
SOC305	Race and Ethnic Studies	N/O 2004	8
SOC306	Researching Everyday Life	N/O 2004	8

Asia-Pacific Studies

Since the 1980s awareness of the importance of Australia's role in the Asia-Pacific has led to the University of Wollongong giving priority to the study of the region and our place in it. Trade, culture, history, politics, economics and language have all received attention, with particular focus on Southeast Asia and Japan.

The following subjects have been approved for inclusion in the Major in Asia-Pacific Studies because they reflect the particular areas of expertise at the University of Wollongong: the understanding of development in the Asia-Pacific, the interaction of culture, language and politics in the region and intensive study of the Japanese language.

Major Study
A major study in Asia-Pacific Studies for the Bachelor of Arts degree requires the completion of a minimum of 52 credit points from the subjects listed below, including all core subjects. At least 24 credit points must be at 300-level. This interdisciplinary major may be taken as a single major study, but its flexibility makes it a useful component in a double-major. Students should plan their degree programs carefully, bearing in mind the need to satisfy subject prerequisites particularly at 200- and 300-levels.

Subjects	Title	Session	Credit Points
Core			
HIST107	Empires, Colonies and the Clash of Civilisations	Autumn	6
SOC243	Contesting Asia: Culture, Diversity, Difference	Autumn	8
Electives: 100-level			
STS120	Technology in Society: East and West (Also available as STS220 or STS221)	Spring	6
HIST124	The Cold War and After	N/O 2004	6
JAPA101	An Introduction to Japanese	Summer (TBA)	6
JAPA110	Japan and the Japanese	Spring	6
JAPA141	Beginners' Japanese I	Autumn	6
JAPA142	Beginners' Japanese II	Spring	6
JAPA143	Beginners' Japanese III	Summer 03/04	8
Note: the following 100-level subjects are not on offer in 2003, but have been offered in Summer Session in previous years.			
INDO101	Introductory Indonesian/Malaysian - Level 1	Summer 03/04	6
INDO103	Introductory Indonesian/Malaysian	N/O 2004	6
INDO104	Introductory Indonesian/Malaysian 1A Language	N/O 2004	6
INDO105	Introductory Indonesian/Malaysian 1B Language	N/O 2004	6
INDO106	Introductory Indonesian/Malaysian - Level 1	Summer 03/04	6
LANG196	Chinese (Mandarin) Level I	Summer 03/04	6
LANG197	Chinese (Mandarin) Level II	N/O 2004	6
LANG198	Chinese (Mandarin) Intermediate Level for Other Dialect Speakers	Summer 03/04	6
200-level			
ASIA299	Special Topics in Southeast Asian Studies	Summer	8
ECON251	Industry and Trade in East Asia	Spring	8
EESC205	Population Studies	Autumn	6
HIST286	From Ancient Kingdoms to Colonial Southeast Asia, 1500-1900	N/O 2004	8
HIST288	Religion and Military Rule in Southeast Asia	N/O 2004	8
LING210	Communicating in a Foreign Language	Spring	8
POL225	International Relations, An Introduction	Autumn	8
STS220	see STS120	Spring	
300-level			
ASIA399	Southeast Asian Language and Culture Exchange Subject	Summer	8
ECON303	Economic Development Issues	Spring	8
ENGL373	Literatures of Colonising Cultures	N/O 2004	8
HIST379	Culture and Identity in Indonesian History, 1870-2002	Spring	8
HIST388	Vietnam in War and Revolution: Indo-Chinese Societies 1860-1980	N/O 2004	8
HIST394	Commodification History	N/O 2004	8
POL317	Politics in the South Pacific	N/O 2004	8
POL318	The Asian Tigers - Newly Industrialising Countries in Transition	Autumn	8
POL323	North and South: Approaches to Relations Between Advanced, Industrialising and Developing Countries	Spring	8
SOC318	Modernity, Development and Social Change	Spring	8

Australian Studies

Australian Studies is an interdisciplinary course of study. It includes Aboriginal studies, history, politics, literature, media, sociology, science and technology and gender in its ambit. It has been designed to introduce students to the various ways Australian issues are addressed and analysed by a variety of interdisciplinary and disciplinary approaches.

Major Study
A major in Australian Studies consists of a minimum of 52 credit points. The major is made up of the three core subjects: AUST101 or AUST102, AUST246 or HIST 218, and AUST300. The balance of credit points is made up by taking subjects with Australian content offered by the following Programs within the Faculty: Aboriginal Studies, Communication and Cultural Studies, English, History, Politics, Science Technology and Society and Sociology. To complete the major, students will need to take a minimum of 12 credit points at 100-level (AUST101 or AUST102 plus one 100-level subject from the list), a minimum of 16 credit points at 200-level (AUST246 or HIST218 plus one 200-level subject from the list) and a minimum of 24 credit points at 300-level (AUST300 plus two 300-level subjects from the list).
Students should ensure that they have the necessary prerequisites to take the subjects of their choice or have had the prerequisites waived by the Convenor of the relevant Program.

Honours
Those interested in Honours in Australian Studies should consult the Honours co-ordinator of the School of History and Politics. A notice board with information on Australian Studies can be found in the History and Politics corridor on the second floor of the Arts building (Bldg 19).

Subject	Title	Session	Credit Points
100-leve Core			
AUST101 or	Australian Studies: Cultures and Identities	Autumn	6
AUST102	Narrating the Nation (Students may use AUST101 or AUST102 as an elective if they have not selected it as a core subject).	Spring	6
Electives: 6 credit points chosen from:			
ABST100	Introduction to Aboriginal Cultures	Spring	6
ABST150	Introduction to Aboriginal Australia	Spring	6
AUST101	Australian Studies: Cultures and Identities	Autumn	6
AUST102	Narrating the Nation	Spring	6
ENGL113	Contemporary Writing in Australia	N/O 2004	6
HIST121	Dispossessed, Diggers and Democrats: Australia 1788-1880s	Spring	6
POL111	Australian Politics	Autumn	6
POL141	Change and Debate in Contemporary Australian Politics	Summer (TBA)	6
SOC103	Aspects of Australian Society	Autumn	6
STS120	Technology in Society: East and West	Spring	6
200-leve Core			
AUST246 or	A Sociology of Australia's Indigenous People: Contemporary Issues and Debates	Spring	8
HIST218	Consensus, Conflict and Culture: Australia 1888 - 1988	Autumn	8
Electives: 8 credit points from:			
ABST200	Aboriginal History Since Invasion	Autumn	8
CCS219	Australian Screen	Spring	8
ENGL231	Australian Drama and Theatre	N/O 2004	8
HIST203	Australians and the Great War	Autumn	8
HIST218	Consensus, Conflict and Culture: Australia 1888 - 1988	Autumn	8
POL222	Australian Public Policy	N/O 2004	8
POL290	Women in Society: Productive and Reproductive Labour	Spring	8
SOC205	Sociology of the Family	Spring	8
SOC222	Sociology of Crime and Justice	N/O 2004	8
SOC242	Contemporary Issues in Society	Autumn	8
STS220	Technology in Society, East and West	Spring	8
300-level Core			
AUST300	Twentieth Century Australian Literary Culture*	Spring	8
Electives: 16 credit points from:			
ABST300	Indigenous Theories of De/Colonisation	Spring	8
ABST301	Research Methods and Issues in Aboriginal Studies	N/O 2004	8
CCS330	The Practices of Everyday Life	Spring	8
CCS352	Flashpoints: Contestations in Contemporary Australian Culture	N/O 2004	8
CCS357	Television Cultures	Spring	8
ENGL346	Comparative Australian/Canadian Writing	N/O 2004	8
ENGL359	Contemporary Australian Drama	N/O 2004	8

HIST318	The Making of the Modern Australian Woman	Spring	8
HIST339	Australians and War: from Kokoda to Iraq	N/O 2004	8
HIST340	New Approaches to Australian Urban and Rural working Class History	Autumn	8
HIST342	Sickness and Death: Social History and Public Health in Australia	Spring	8
HIST394	Commodification History	N/O 2004	8
SOC305	Race and Ethnic Studies	N/O 2004	8
SOC308	Social and Public Policy	Spring	8
SOC310	Community Organisations, the Third Sector and Civil Society	Autumn	
SOC330	Gender and Society	Spring	8
SOC341	Special Topic in Sociology	Autumn	8
ABST300	Indigenous Theories of De/Colonisation	Spring	8

**** Students please note**: Students may enrol in the subject Twentieth Century Australian Literary Culture under one of the following subject codes: AUST300, ENGL371 or HIST380. All students in the subject attend the one lecture group and any one of the subject codes will be accepted in any of the majors containing the subject.*

Communication Studies

Communication Studies, as offered in the Communication and Cultural Studies Program is an interdisciplinary study which considers questions of interaction and conversation, text and image, and studies communication industries and communication technologies. While there are some practical components in selected subjects, the approach to Communication Studies is strongly conceptual, situating communication studies in broad social, political, historical and cultural contexts, as well as investigating the ways in which audiences are positioned and meanings are constructed.

Major Study
The Communication Studies major is made up of at least 54 credit points: at 100-level, CCS105 (6 cp); 24 credit points at 200-level and 24 credit points at 300-level. Of the 54 credit points, at least 38 credit points will be in subjects with the CCS prefix. The remaining 16 cp for the major may be made up of CCS subjects or subjects from other units approved for inclusion in the Communication Studies major. At 200-level, 16 cp must be in subjects with the CCS prefix, including either CCS207 or CCS221 (one of these two subjects must be completed). At 300-level, at least 16 credit points will be from subjects with the CCS prefix and must include CCS330. Quotas may be applied to entry to the major in Communication, including entry to CCS105.

Pre-requisites
Entry to all CCS 200-level subjects will require 36 credit points. Entry to CCS 300-level subjects will require 36 credit points including at least 8 credit points at CCS 200-level. Study abroad and exchange students can consult with the Convenor of Program about entry to upper level CCS subjects.

Honours
See Bachelor of Arts (Honours)

Study Program

Subjects		**Session**	**Credit Points**
100-level Core			
CCS105	Introduction to Communication and Cultural Studies	Autumn	6
200-level Core:			
Note; Students may take either CCS207 or CCS221 as an elective if they have not taken it as a core subject.			
CCS207	Culture: Central Problems and Critical Debates	Spring	8
or			
CCS221	Critical Cultural Practice	N/O 2004	8
200-level Electives: 16 credit points of subjects from the following list. One 8cp subject must have the prefix CCS			
CCS207	Culture: Central Problems and Critical Debates	Spring	8
CCS217	Film Form and Style	Autumn	8
CCS219	Australian Screen	Spring	8
CCS221	Critical Cultural Practice	N/O 2004	8
CCS223	Introduction to Publishing Studies: Print	N/O 2004	8
CCS225	Introduction to Electronic Publishing	N/O 2004	8
ABST200	Aboriginal History Since Invasion	Autumn	8
HIST291	Film and History	Spring	8
PHIL255	Interpretation and Communication	Spring	8
POL224	Politics and the Media	Spring	8
SOC241	Culture and Communication	N/O 2004	8
STS241	Technological Change, Popular Culture and New Media	Spring	8
WRIT215	Writing for Film and TV200	Autumn	6

300-level Core			
CCS330	The Practices of Everyday Life	Spring	8
300-level Electives: 16 credit points of subjects from the following list. One 8cp subject must have the prefix CCS			
CCS300	Representing Subjectivity and Identity	Autumn	8
CCS333	Genre: Theory and Analysis	Spring	8
CCS334	Technologies of The Body	N/O 2004	8
CCS335	Electronic Cultures	Spring	8
CCS337	Hollywood and American Culture	Autumn	8
CCS339	Hollywood and the Globalisation of Culture	N/O 2004	8
CCS341	Screen Studies; Advanced Seminar (Quota of 24 students)	Spring	8
CCS343	Directed Study	Spring	8
CCS348	Television, Globalisation and Cultural Identity	N/O 2004	8
CCS351	Semiotics and Communication	N/O 2004	8
CCS352	Flashpoints: Contestations in Contemporary Australian Culture	N/O 2004	8
CCS357	Television Cultures	Spring	8
CCS388	International Media Theories and Systems (not offered till 2005)	N/O 2004	8
ABST300	Indigenous Theories of De/Colonisation	Spring	8
ENGL350	Fantasy and Popular Culture	N/O 2004	8
HIST379	Culture and Identity in Indonesian History: 1870-2002	Spring	8
PHIL322	Theories of Knowledge and Metaphysics B	Spring	8
POL324	Culture and Politics	Autumn	8
POL368	Protest and Power in America: The Sixties	N/O 2004	8
SOC305	Race and Ethnic Studies	N/O 2004	8

English Language and Linguistics

The English Language and Linguistics (ELL) major provides two orientations: a TESOL (Teaching English to Speakers of other Languages) orientation which can lead to a professional qualification in TESOL if further study is undertaken in the Faculty of Education, and an English for Professional Purposes orientation.

Major Study
A major in English Language and Linguistics for Non-English Speaking Background (NESB) students consists of 58 credit points, and must include 18 cp at 100-level, 16 cp at 200-level and 24 cp at 300-level, as set out below. A major in English Language and Linguistics for English Speaking Background (ESB) students consists of 52 credit points, and must include 12 cp at 100-level, 16 cp at 200-level and 24 cp at 300-level, as set out below. Students who are uncertain whether they should be in the NESB or the ESB stream must consult the ELS co-ordinator.
Note: LING210 is counted towards majors in French, Italian, Japanese and English Language and Linguistics.

Honours
See Bachelor of Arts (Honours)

Study Program

Subjects:		**Session**	**Credit Points**
TESOL Orientation			
100-Level – NESB (Non English Speaking Background) students			
ELL151	English for Academic Purposes: A Second Language Perspective	Autumn/ Spring	6
ELL152	English Language Studies 1	Spring	6
ELL171	An Introduction to Linguistics: The English Language	Spring	6
100-Level – ESB (English Speaking Background) students			
ELL161	English for Academic Purposes: A First Language Perspective	Autumn	6
ELL171	An Introduction to Linguistics: The English Language	Spring	6
200-Level - NESB and ESB students			
ELL271	English Language Studies 2	Autumn	8
LING210	Communicating in a Foreign Language	Spring	8
300-Level Core- NESB and ESB students			
ELL310	Language and Communication in a Global Context	Spring	8
ELL371	English Language Studies 3	Spring	8
300-Level Elective- NESB and ESB students			
Any 8 credit points from the following:			
EDUE317 and	English Language: Examining Learners' Problems	Autumn	6
EDUE332	Teaching Grammar and Vocabulary	Autumn	2
EDUE340 and	Materials and Technology in Second Language Teaching	Spring	6
EDUE335	Teaching Speaking to Second Language Learners	Autumn	2

EDUE319	Programming and Methodology in Second Language Teaching	Autumn	6
and			
EDUE331	Teaching Reading to Second Language Learners	Autumn	2
EDUE329	Teaching listening to Second Language Learners	Spring	2
EDUE334	Teaching Writing to Second Language Learners	Spring	2
EDUE336	Practicum or Project in Language Teaching	Spring or Autumn	8
and			
EDUE328	The English Sound System	Spring	2

Subjects:		**Session**	**Credit Points**
English for Professional Purposes Orientation			
100-Level – NESB (Non English Speaking Background) students			
ELL151	English for Academic Purposes: A Second Language Perspective	Autumn & Spring	6
ELL152	English Language Studies 1	Spring	6
ELL171	An Introduction to Linguistics: The English Language	Spring	6
100-Level – ESB (English Speaking Background) students			
ELL161	English for Academic Purposes: A First Language Perspective	Autumn	6
ELL171	An Introduction to Linguistics: The English Language	Spring	6
200-Level Core- NESB and ESB students			
ELL271	English Language Studies 2	Autumn	8
200-Level Electives- NESB and ESB students			
One of the following two subjects			
PHIL255	Interpretation and Communication	Spring	8
CCS223	Introduction to Publishing Studies: Print	N/O 2004	8
300-Level Core- NESB and ESB students			
ELL371	English Language Studies 3	Spring	8
ELL310	Language and Communication in a Global Context	Spring	8
EDUL314	Language and Ideology	Autumn	8

English Studies

The English Studies Program provides a dynamic environment for social and cultural debate. The program of study ranges from the Vikings to the Internet, and includes drama subjects, women's writing, textual and cultural theories and British, Australian and post-colonial literatures in their social and cultural contexts. The term "English Studies" describes a range of disciplines relating to the study of textual production. We look at written texts like novels, poems and plays, diaries, newspapers, journals and travel-writing, but also at other kinds of texts, like music, paintings, tapestries, films, television programs and videos, as creative process and cultural product. English is often combined as a double-major with Communication and Cultural Studies, but students may combine it with any other approved Arts major. It is often taken as the Arts major in the Arts/Law double degree and it is an ideal second major for journalism students in the Bachelor of Communication and Media Studies.

In the areas of Theatre and Writing, the Program has close working relationships with the Faculty of Creative Arts and, under certain circumstances and with the approval of the relevant Convenors, students from the English Studies Program may undertake a limited number of subjects offered in the BCA. Similarly, students from the Faculty of Creative Arts may take Literature, Screen and Theatre subjects within the Program.

English for teaching careers: Students intending to teach in primary schools should take two at least English subjects. Students intending to be secondary English teachers need at least 28 credit points of English. In both cases, one of the English subjects will need to contain the word "Literature" in the title. (This regulation is imposed by the NSW Education Department.)

Major Study
A major study in English Studies is made up of at least 54 credit points: 6 at 100-level, 24 at 200-level and 24 at 300-level. Of the 54, at least 46 credit points will be in subjects having the prefix ENGL with at least 6 credit points at 100-level and at least 16 credit points at 300-level having that prefix. The remaining 8 credit points may be made up of ENGL subjects or subjects from other units approved for inclusion in the English Studies major. These subjects are listed at the end of this entry. At 300-level, Pass Conceded or Pass Restricted grades will not accrue credit points towards the major.

Pre-requisites for 200- and 300-Level Subjects
Students must have at least 6 credit points from 100-level English subjects to gain entry into 200-level subjects.

For most 300-level subjects, students must have at least 6cp of subjects with the prefix ENGL at 100-level, 6cp of subjects with the prefix ENGL at 200-level and any other 6cp. For prerequisites to ENGL340 see subject descriptions.

Honours
See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit Points
100-Level: at least 6 credit points from the following subjects			
ENGL113	Contemporary Writing in Australia	N/O 2004	6
ENGL117	Forms of the Imagination	N/O 2004	6
ENGL120	An Introduction to Literature and Screen Studies	Autumn	6
ENGL121	Text and Gender	Spring	6
ENGL199	Understanding Literary Techniques	N/O 2004	6
200-Level: **at least 24 credit points of which at least 16 credit points must be from the following subjects.** Note: Students may take one subject at either 200 or 300 level from the list of approved subjects at the end of this schedule).			
ENGL228	English Renaissance Literature and Culture	Autumn	8
ENGL229	Romantics and Victorians: English Literature from 1790-1900	Autumn	8
ENGL230	Page to Stage: Modes of Performance	Autumn	8
ENGL231	Australian Drama and Theatre	N/O 2004	8
ENGL243	Fantasy and Children's Literature	Summer (TBA)	8
ENGL244	Children's Literature in Australia	Summer 03/04	8
ENGL248	Chaucer	Spring	8
ENGL253	Major Twentieth-Century Writers	N/O 2004	8
ENGL255	Eighteenth Century Literature and Culture	Spring	8
ENGL259	An Introduction to Canadian Writing	Spring	8
ENGL260	Nineteenth Century Australian Literary Culture	Autumn	8
ENGL264	Modernism	Spring	8
ENGL265	English and the Empire	N/O 2004	8
ENGL299	The Vikings: Old Norse Culture, Language and Literature	N/O 2004	8
300-Level: at least 24 credit points of which at least 16 credit points must be from the following subjects. Note 1. : Students may take one subject at either 200 or 300 level from the list of approved subjects at the end of this schedule). Note 2. : At 300-level, Pass Conceded or Pass Restricted grades will not accrue credit points towards the major.			
ENGL312	Shakespeare, Johnson and their Contemporaries	N/O 2004	8
ENGL331	Modern Drama	N/O 2004	8
ENGL334	Critical Theory: Development and Debates	Autumn	8
ENGL337	Sex, Power and Chivalry: Medieval to Modern Literature	Spring	8
ENGL340	Directed Study in English	Spring/Autumn	8
ENGL345	Twentieth Century Women Writers	Spring	8
ENGL346	Comparative Australian/Canadian Writing	N/O 2004	8
ENGL350	Fantasy and Popular Fiction	N/O 2004	8
ENGL355	Fourteenth Century Literature	N/O 2004	8
ENGL359	Contemporary Australian Drama	N/O 2004	8
ENGL365	Nineteenth Century Women Writers	Autumn	8
ENGL366	Literatures of Colonised Cultures	Spring	8
ENGL371	Twentieth Century Australian Literary Culture*	Spring	8
ENGL373	Literatures of Colonising Cultures	N/O 2004	8
ENGL374	From Page to Screen	Autumn	8
ENGL376	Representing India	Autumn	8
ENGL398	The Vikings: Old Norse Culture, Language and Literature (Advanced)	N/O 2004	8
Other approved subjects: Students may count ONE subject from this list in the English Studies major. Students wishing to enrol in these subjects must satisfy the subject prerequisites.			
CCS217	Film, Form and Style	Autumn	8
CCS219	Australian Screen	Spring	8
CCS221	Critical Cultural Practice	N/O 2004	8
CCS223	Introduction to Publishing Studies: Print	N/O 2004	8
CCS225	Introduction to Electronic Publishing	N/O 2004	8
CCS330	The Practices of Everyday life	Spring	8
CCS335	Electronic Cultures	Spring	8
CCS337	Hollywood and American Culture	Autumn	8
CCS339	Hollywood and the Globalisation of Culture	N/O 2004	8
LANG305	Literature and Society in Renaissance Europe	Autumn	8
PHIL255	Interpretation and Communication	Spring	8

** Students please note: Students may enrol in the subject Twentieth Century Australian Literary Culture under one of the following subject codes: AUST300, ENGL371 or HIST380. All students in the subject attend the one lecture group and any one of the subject codes will be accepted in any of the majors containing the subject.*

European Studies

European history, literature and language subjects (French, Italian or Spanish) contribute to this interdisciplinary major.

Major Study
A major in European Studies will consist of a minimum of 52 credit points, including a minimum of 28 cp chosen from Schedules 1, 2 or 3 and the remainder from Schedule 4. Students must include 24 cp at 300-level.
Students wishing to study French should take the subjects listed in Schedule 1 below. Students wishing to study Italian should take the subjects listed in Schedule 2 below. Students wishing to study Spanish should take the subjects listed in Schedule 3 below.

Honours
See Bachelor of Arts (Honours)

Study Program

Schedule I (French core subjects)		**Session**	**Credit Points**
FREN151	French IA Language	Autumn	6
or			
FREN251	French IIA Language	Autumn	8
FREN152	French IB Language	Spring	6
or			
FREN252	French IIB Language	Spring	8
EURO220/	The European Union:	Spring	8
HIST210	Post war European Integration, 1945-1995		
EURO320	Nations without States in the European Union	Autumn	8

Schedule II (Italian core subjects)		**Session**	**Credit Points**
ITAL151	Italian IA Language	Autumn	6
or			
ITAL251	Italian IIA Language and Literature	Autumn	8
ITAL152	Italian IB Language	Spring	6
or			
ITAL252	Italian IIB Language and Literature	Spring	8
EURO220/	The European Union:	Spring	8
HIST210	Post war European Integration, 1945-1995		
EURO320	Nations without States in the European Union	Autumn	8

Schedule III (Spanish core subjects)		**Session**	**Credit Points**
SP/AN151	Spanish for Beginners I	Autumn	6
or			
SPAN251	Spanish Intermediate 1	Autumn	8
SPAN152	Spanish for Beginners 2	Spring	6
or			
SPAN252	Spanish Intermediate 2	Spring	8
EURO220/	The European Union:	Spring	8
HIST210	Post war European Integration, 1945-1995		
EURO320	Nations without States in the European Union	Autumn	8

Note: Students who have not taken the following subjects as core subjects may take them as electives: FREN251, FREN252, ITAL251, ITAL252, EURO220/HIST210, EURO320, SPAN251, SPAN252

Schedule IV (Elective subjects)		**Session**	**Credit Points**
ENGL228	English Renaissance Literature and Culture	Autumn	8
ENGL229	Romantics and Victorians: English Literature from 1780-1900	Autumn	8
ENGL230	Page to Stage: Modes of Performance	Autumn	8
ENGL248	Chaucer	Spring	8
ENGL253	Major Twentieth-Century Writers	N/O 2004	8
ENGL255	Eighteenth Century Literature and Culture	Spring	8
ENGL264	Modernism	Spring	8
ENGL299	The Vikings: Old Norse Culture, Language and Literature	N/O 2004	8
ENGL312	Shakespeare, Johnson and their Contemporaries	N/O 2004	8
ENGL334	Critical Theory	Autumn	8
ENGL337	Sex, Power and Chivalry: Medieval to Modern Literature	Spring	8
ENGL355	Fourteenth Century Literature	N/O 2004	8
ENGL398	The Vikings: Old Norse Culture, Language and Literature (Advanced)	N/O 2004	8
FREN110	France and the French	Autumn	6
FREN210	France in the Twentieth Century	Autumn	8
FREN361	French III C	Autumn	8
FREN362	French III D	Spring	8

HIST108	War, Dictatorship and Propaganda, 1918-1945	Spring	6
HIST124	The Cold War and After	N/O 2004	6
HIST216	Ancient History: Greece	N/O 2004	8
HIST217	Ancient History: Rome	N/O 2004	8
HIST232	Russia in War and Revolution	N/O 2004	8
HIST286	From Ancient Kingdoms to Colonies in Southeast Asia, 1500-1900	N/O 2004	8
HIST360	War, Death and Society, Europe 1350-1650	N/O 2004	8
HIST363	Revolutions in World History	N/O 2004	8
IITAL110	Italy and the Italians	Spring	6
ITAL361	Interpreting I	N/O 2004	8
ITAL362	Interpreting II	N/O 2004	8
LING210	Communicating in a Foreign Language	Spring	8
LANG305	Literature and Society in Renaissance Europe	Autumn	8
LANG371	Advanced Studies in Language/Culture A	Autumn or Spring	8
LANG372	Advanced Studies in Language/Culture B	Autumn or Spring	8
LANG373	Advanced Studies in Language/Culture C	Autumn or Spring	8
PHIL211	Greek Philosophy	Summer 03/04	8
POL314	Power and the Modern State	Spring	8
POL315	Post-Communist Politics	N/O 2004	8
SPAN151	Spanish for Beginners I	Autumn	6
SPAN152	Spanish for Beginners II	Spring	6
SPAN251	Spanish intermediate I	Autumn	8
SPAN252	Spanish intermediate II	Spring	8
STS336	Advanced Topics in the History of Science	N/O 2004	8

French

A major in French allows students to study the language, literature and culture either as beginners or advanced learners. Students who enter the major at post-HSC or advanced levels will be exempted from some language subjects.

As from 2004, students may enrol in a minor in French (see below).

Major Study

A major in French for beginners or near beginners consists of 66 credit points, and must include 18 cp at 100-level, 24 cp at 200-level and 24 cp at 300-level, as set out below. Students who have achieved a strong 2 Unit HSC pass or equivalent may choose to enter the language sequence at the level of FREN251 and complete a 54 cp major comprising 6 cp (civilisation) at 100-level, 24 cp at 200-level and 24 cp at 300-level, as set out below.

All students wishing to enter the French major at the level of FREN251 must obtain formal approval from the French co-ordinator.

Subject to the pre-requisites listed in the subject database, language and literature/civilization subjects may be taken independently of one another, eg French 1A Language may be taken without also taking EURO110. However students wishing to complete a major in French must complete the sequence set out below.

Native or near-native speakers, whose major also consists of 54 cp, may be granted waivers for FREN251 and FREN252. Such waivers will be granted only at the time of first enrolment in French, in accordance with the Program's policy and with the formal approval of the French co-ordinator or the Convenor of Program. Replacement subjects to make up the 54cp for the major are to be chosen from the additional subjects listed below. Credit may be granted for language courses taken at University level in accordance with established University of Wollongong guidelines.

Honours

See Bachelor of Arts (Honours)

Minor study in Languages other than English (LOTE): French

From 2004, students in the Faculty of Arts will be able to take a Minor consisting of four sequential subjects in French.

The minor will consist of 28 or 32 credit points of language study (28cp for students beginning at 100-level and 32 cp form students beginning at upper levels).

Example:

A student beginner could take a Minor by studying FREN151, FREN152, FREN251 and FREN252.

A student who had studied French to HSC level and commencing University French at second year level could take a Minor by studying FREN251, FREN252, FREN351 and FREN352.

Whilst the minor will not be stipulated on the student's testamur at graduation, it will be recorded on the academic transcript.

Study Program

Subjects		Session	Credit Points
100-level			
FREN151	French IA Language	Autumn	6
FREN152	French IB Language	Spring	6
FREN110	France and the French	Autumn	6
200-level			
FREN251	French IIA Language	Autumn	8
FREN252	French IIB Language	Spring	8
LING210	Communicating in a Foreign Language	Spring	8
300-level			
FREN351	French IIIA Language	Autumn	8
FREN352	French IIIB Language	Spring	8
LANG305	Literature and Society in Renaissance Europe	Autumn	8
Depending on availability, additional subjects may be taken from:			
FREN210	Twentieth-Century France	Autumn	8
FREN361	French IIIC	Autumn	8
FREN362	French IIID	Spring	8
LANG371	Advanced Studies in Language/Culture A	Autumn or Spring	8
LANG372	Advanced Studies in Language/Culture B	Autumn or Spring	8
LANG373	Advanced Studies in Language/Culture C	Autumn or Spring	8
FREN391	French Study Abroad A	Autumn or Spring	8
FREN392	French Study Abroad B	Autumn or Spring	8
FREN393	French Study Abroad C	Autumn or Spring	8

Gender Studies

Gender Studies, with its motivating force of women's studies, is just as needed now as it ever was-perhaps in some respects more so-with the increasingly sophisticated and pervasive attempts to persuade the consumer / reader / user that all is equal and, finally, merely a matter of choice. One of the tasks of this major will be to address and redress this notion. It is an area of intense public debate and we seek to equip our students not only to enter into this debate but at some future time perhaps, to lead it.

The major is made up of subjects from the Faculties of Arts, Commerce, Education, Law and Science. It is an interdisciplinary major which recognises that students come from a range of backgrounds and may want to study over a range of areas. There are no core subjects. A number of the subjects in the major deal not only with the impact of being gendered as female, but also with definitions of masculinity and with queer theory, an area of study more commonly associated with sexuality than gender.

Major Study
A major in Gender Studies consists of at least 54 credit points chosen from the following range of subjects (at least 24 credit points must be at 300 level). Students will choose at least five subjects from the list of Specialist Electives, and no more than two from the list of General Electives. Normal pre-requisites apply for the following subjects unless these are waived by the Head of Unit. This applies, in particular, to LAW subjects, for which LAW100 Law in Society is a necessary pre-requisite and will not be waived. Please note: not all subjects will be available in any one year.

Study Program

Specialist Electives Students must choose at least five subjects from this list.		Session	Credit Points
100-Level			
ENGL121	Text and Gender	Spring	6
200-Level			
ECON208	Gender Work and Family	Autumn	8
EDUC292	Gender and Social Justice	Spring	8
ENGL260	Nineteenth Century Australian Literary Culture	Autumn	8
PHIL260	Philosophy of Feminism A (also available as PHIL363)	Autumn	8
POL290	Women in Society – Productive Reproductive Labour	Spring	8
300-Level			
ENGL337	Sex Power and Chivalry: Medieval to Modern Literature	Spring	8
ENGL345	Twentieth Century Women Writers	Spring	8
ENGL365	Nineteenth Century Women Writers	Autumn	8
AUST300/ ENGL371/ HIST380	Twentieth Century Australian Literary Culture	Spring	8
HIST318	The Making of the Modern Australian Woman	Spring	8
PHIL363	Philosophy of Feminism B	Autumn	8
SOC330	Gender and Society	Spring	8
CCS334	Technologies of the Body	N/0 2004	8
LAW335	Anti-Discrimination Law	Spring	6

LLB349	Feminism and the Law	N/0 2004	6
General Electives		**Session**	**Credit Points**
Students must choose no more than two subjects from this list.			
100-Level			
EESC104	The Human Environment: Problems and Change	Autumn	6
SOC103	Aspects of Australian Society	Autumn	6
200-Level			
EDUF212	Education II	Spring	6
ENGL259	Introduction to Canadian Literature	Spring	8
SOC205	Sociology of the Family	Spring	8
300-Level			
LAW303	Children, Families and the Law	Autumn	6
PHIL380	Bioethics	Spring	8

History

History offers subjects in social history, the social and political consequence of war, feminist history, revolution and colonialism, representation and history, world history and cultural and labour history. Emphasis lies on Australia, Europe, South East Asia and the Americas. History is offered at all undergraduate levels: 100-level (first year), 200-level (second year) and 300-level (third year). 100-level subjects are each worth 6 credit points, 200-level and 300-level subjects are each worth 8 credit points.
Certain History subjects are well-suited to programs containing a major in Australian Studies and Resource and Environmental Studies.

Major Study
A major in History consists of 52 credit points, 24 of which must be at 300-level. As students progress through the levels of a History major, the subjects offered become more sophisticated in approach.
300-level subjects place greater emphasis on comparative and theoretical aspects of the discipline and encourage students to undertake original research.

Entry into any 200-level history subject requires a pass in at least one of the 100-level subjects. Entry into any 300-level subject requires 14 credit points of history, at least 8 of which must be at 200-level.
Students taking a major in History can count up to 16 credit points from the following: ABST100, ABST150, ABST200, AUST246, FREN210, STS212 and STS238/338 as well as the Politics subjects listed in the table below. Note: students enrolled in a double major may only cross-count one subject.

Honours
See Bachelor of Arts (Honours)

Study Program

Subjects		**Session**	**Credit Points**
100-Level			
AUST101	Australian Studies, Cultures and Identities	Autumn	6
AUST102	Narrating the Nation	Spring	6
HIST107	Empires, Colonies and the Clash of Civilisations	Autumn	6
HIST108	War, Dictatorship and Propaganda, 1918-1945	Spring	6
HIST121	Dispossessed, Diggers and Democrats: Australia, 1788-1888	Spring	6
HIST124	The Cold War and After	N/0 2004	6
POL141	Change and Debate in Contemporary Australian Politics	Summer 03/04	6
200-Level			
HIST203	Australians and the Great War	Autumn	8
HIST210	The European Union: Post-War European Integration, 1945-1995	Spring	8
HIST216	Ancient History: Greece	N/0 2004	8
HIST217	Ancient History: Rome	N/0 2004	8
HIST218	Consensus, Conflict and Culture: Australia 1888-1988	Autumn	8
HIST232	Russia in War and Revolution	N/0 2004	8
HIST239	A cultural History of Water	Spring	8
HIST275	The Growth of the United States, 1865-1919	N/0 2004	8
HIST276	America's Rise to Globalism Since 1919	N/0 2004	8
HIST286	From Ancient Kingdoms to Colonial Southeast Asia, 1500-1900	N/0 2004	8
HIST288	Religion and Military Rule in Southeast Asia	N/0 2004	8
HIST291	Film and History	Spring	8
POL230	Latin America: The Politics of Conquest and Colonisation	N/0 2004	8

300-Level

AUST300	Twentieth Century Australian Literary Culture*	Spring	8
HIST300	Reporting War: a history	Spring	8
HIST318	The Making of the Modern Australian Woman	Spring	8
HIST325	Theory and Method of History	Spring	8
HIST334	Regional History	Autumn	8
HIST339	Australians and War; From Kokoda to Iraq	N/0 2004	8
HIST340	New Approaches to Australian Urban and Rural Working Class History	Autumn	8
HIST341	The Struggle for Europe: 1494-1713	Autumn	8
HIST342	Sickness and Death: Social History and Public Health in Australia	Spring	8
HIST360	Death, War and Society, Europe 1350-1650	N/0 2004	8
HIST363	Revolutions in World History	N/0 2004	8
HIST379	Cultural and Identity Indonesian History 1870-2002	Spring	8
HIST380	Twentieth Century Australian Literary Culture*	Spring	8
HIST388	Vietnam in War and Revolution: Indo-Chinese Societies, 1860-2001	N/0 2004	8
HIST394	Commodification History	N/0 2004	8
POL315	The Politics of Post-Communist Countries	N/0 2004	8
POL368	Protest and Power in America: the Sixties	N/0 2004	8

***** *Students please note: Students may enrol in the subject Twentieth Century Australian Literary Culture under one of the following subject codes: AUST300, ENGL371 or HIST380. All students in the subject attend the one lecture group and any one of the subject codes will be accepted in any of the majors containing the subject.*

History & Politics Joint Major

The School of History and Politics also offers a Joint Major for students with an interest in both disciplines. The Major offers students the opportunity to explore two disciplines without the need to complete two separate majors (sometimes known as a Double Major), and it offers students the opportunity to combine the specialist areas offered by the History and Politics Program. The Joint Major consists of a minimum of 76 credit points. A minimum of 38 credit points must be taken from History subjects and a minimum of 38 credit points must be taken from Politics subjects.

Students taking the Joint Major must have completed at least one 100-level subject, one 200-level subject and one 300-level subject drawn from the History schedule and at least one 100-level subject, one 200-level subject and one 300-level subject drawn from the Politics schedule. The balance can be made up from any subjects from 100- to 300-level, providing pre-requisites have been met for the subjects chosen, or the waiving of pre-requisites has been approved by the Convenor of the relevant Program.
Please note: At 300 level, students must complete at least 24 credit points from the History and Politics majors.

Information Studies

This major, using a variety of perspectives, enables students to use, critically analyse, reflect on and transform the rapidly changing information systems in society.

Major Study

A major in Information Studies is an interdisciplinary program of core and optional subjects of between 60 and 76 credit points, depending on the course strands chosen by the student. It includes at least 24 credit points at 300 level. Subjects are drawn from the Faculties of Arts, Commerce, Informatics and Law.
Students must complete all core subjects and the required subjects from two strands. Students may not take BOTH Strand 2 and Strand 4.
(Note: If required subjects in particular strands are not available, please see the coordinator of the major for advice on appropriate alternatives).

Study Program

Subjects	Title	Session	Credit Points
Core			
*Note: students who have not completed NSW HSC 2 (60 or better) or 3 unit computing studies or equivalent, normally require CSCI101 as a prerequisite to CSCI102. Students who are uncertain about this requirement should consult the Undergraduate Co-ordinator in Information Technology and Computer Science.			
CCS105	Introduction to Communication and Cultural Studies	Autumn	6
CSCI102	Systems	Spring	6
STS128	Computers in Society	Spring	6
or			
STS228	Computers in Society	Spring	8

Electives -Two of the following strands must be completed but students cannot count both strand 2 and strand 4

Strand 1: Three of the following subjects, including at least two at 300-level:			
CCS225	Introduction to Electronic Publishing	N/0 2004	8
CCS335	Electronic Cultures	Spring	8
POL224	Politics and the Media	Spring	8
STS240/340	Technological Change, Popular Culture and New Media	Spring	8
STS288/388	Science ands the Media	Autumn	8
CCS225	Introduction to Electronic Publishing	N/0 2004	8
Strand 2: All of the following:			
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
IACT301	Information and Communication Security Issues	Spring	6
IACT303	Worldwide Networking	Spring	6
Strand 3			
Note: Students choosing LAW331 normally need to have taken LAW210.			
Note: Students choosing LAW487/488 should consult with the Dean of Law about a topic appropriate to this major.			
LAW100	Law in Society	Autumn	6
and two of the following:			
LAW331	Intellectual Property Law	Autumn	6
LAW348	Media Law	Spring	6
LAW487	Special Topic in Law	N/0 2004	6
or			
LAW488	Special Topic in Law	N/0 2004	6
Strand 4: All of the following:			
BUS211	Systems Analysis and Design	Autumn	6
BUS212	Database Management Systems	Spring	6
BUS311	Advanced Database Management Systems	Autumn	6
BUS312	Distributed Information Systems	Autumn	6

Additional Information
Students are strongly encouraged to take MGMT102 Business Communications as an elective. Students completing the major may be considered for joint honours in the two disciplines which provided the specialist strands. To undertake honours in a single discipline students must have completed the requirements of a major in that discipline.

Italian

A major in Italian students to study the language, literature and culture either as beginners or advanced learners. Students who enter the major at post-HSC or advanced levels will be exempted from some language subjects.

As from 2004, students may enrol in a minor in Italian (see below).

Major Study
A major in Italian for beginners or near beginners consists of 66 credit points, and must include 18cp at 100-level, 24cp at 200-level and 24cp at 300-level, as set out below. Students who have achieved a strong 2 Unit HSC pass or equivalent may choose to enter the language sequence at the level of ITAL251 and complete a 54cp major comprising 6cp (civilisation) at 100-level, 24cp at 200-level and 24cp at 300-level, as set out below. All students wishing to enter the Italian major at the level of ITAL251 or ITAL152 must obtain approval from the Italian co-ordinator.
Native or near-native speakers, whose major also consists of 54cp, may be granted waivers for ITAL251 and ITAL252. Such waivers will be granted only at the time of first enrolment in Italian, in accordance with the Program's policy and with the formal approval of the Italian co-ordinator or the Convenor of Program.
Replacement subjects, to make up the 54cp for the major are to be chosen from the additional subjects listed below. Credit may be granted for language courses taken at University level in accordance with established University of Wollongong guidelines.
Subject to the pre-requisites listed in the subject database, language and literature/civilization subjects may be taken independently of one another, eg Italian 1A Language may be taken without also taking ITAL110.

Honours
See Bachelor of Arts (Honours)

Minor study in Languages other than English (LOTE): Italian

From 2004, students in the Faculty of Arts will be able to take a Minor consisting of four sequential subjects in Italian.

The minor will consist of 28 or 32 credit points of language study (28cp for students beginning at 100-level and 32 cp form students beginning at upper levels).

Example:

A student beginner could take a Minor by studying ITAL151, ITAL152, ITAL251 and ITAL252.

A student who had studied Italian to HSC level and commencing University Italian at second year level could take a Minor by studying ITAL251, ITAL252, ITAL351 and ITAL352.

Whilst the minor will not be stipulated on the student's testamur at graduation, it will be recorded on the academic transcript.

Study Program

Subjects		Session	Credit Points
100-level			
ITAL151	Italian IA Language	Autumn	6
ITAL152	Italian IB Language	Spring	6
ITAL110	Italy and the Italians	Spring	6
200-level			
ITAL251	Italian IIA Language and Literature	Autumn	8
ITAL252	Italian IIB Language and Literature	Spring	8
LING210	Communicating in a Foreign Language	Spring	8
300-level			
ITAL351	Italian IIIA Language and Literature	Autumn	8
ITAL352	Italian IIIB Language and Literature	Spring	8
LANG305	Literature and Society in Renaissance Europe	Autumn	8
Depending on availability, additional subjects may be taken from:			
ITAL361	Interpreting I (pre-requisite must be ITAL352)	N/0 2004	8
ITAL362	Interpreting II (pre-requisite must be ITAL361)	N/0 2004	8
LANG371	Advanced Studies in Language/Culture A	Autumn or Spring	8
LANG372	Advanced Studies in Language/Culture B	Autumn or Spring	8
LANG373	Advanced Studies in Language/Culture C	Autumn or Spring	8
ITAL391	Italian Study Abroad A	Autumn or Spring	8
ITAL392	Italian Study Abroad B	Autumn or Spring	8
ITAL393	Italian Study Abroad C	Autumn or Spring	8
ITAL361	Interpreting I (pre-requisite must be ITAL352)	N/0 2004	8

Japanese

The major in Japanese is designed with four streams of study dependent upon a student's language proficiency on entry. Students may enter the major as beginners, at post-HSC level, intermediate or advanced level. All students who wish to enter at other than beginners' level must consult with the convenor of the major. The major consists of language and civilization subjects and a period of study in Japan.

Major Study
The major in Japanese has four possible entry points, beginners, post-HSC, intermediate or advanced. For beginners, the major consists of 82 credit points, for Post HSC, 74 credit points, for intermediate, 62, and for advanced students, 54 credit points. A unique feature of this course is the possibility of a period of study in Japan for beginners, post-HSC and intermediate entry students. Intermediate and Advanced stream students are required to successfully complete a placement test.

The Post HSC stream is designed for students having completed either 2 unit or 3 unit Japanese at a NSW high school or equivalent. The beginner's stream assumes no prior knowledge of the language. The Japanese major articulates with NSW TAFE Certificate 3 in Japanese.

The Modern Languages Program has had considerable success in obtaining funding and scholarships to assist with the costs of travel and residence in Japan. However, funding is not guaranteed and students may need to meet the costs associated with travel and accommodation for any periods of study in Japan. Students wishing to study beginner's Japanese but NOT major are encouraged to take JAPA141 in Session 1, or JAPA101 in Summer Session, if available. JAPA102 and JAPA103 are also available for beginners who are interested in basic Japanese for either teaching or business respectively. JAPA110 is available to all students who wish to familiarise themselves with Japanese culture and history but who do not wish to pursue language studies. Another special feature on offer at Wollongong for suitably qualified graduates is one year of study at a Japanese University in JAPA550 for which some generous scholarships are available.

Honours
See Bachelor of Arts (Honours)

Minor study in Languages other than English (LOTE): Japanese

From 2004, students in the Faculty of Arts will be able to take a Minor consisting of any four sequential subjects in Japanese. The minor will consist of 26 or 32 credit points of language study.

Example: A student beginner could take a Minor by studying JAPA141, JAPA142, JAPA143 and JAPA261.

A student who had studied Japanese to HSC level could take a Minor by studying JAPA161, JAPA162, JAPA261 and JAPA262. Whilst the minor will not be stipulated on the student's testamur at graduation, it will be recorded on the academic transcript.

Study Program

Subjects		Session	Credit Points
100-level: Post-HSC			
JAPA110	Japan and the Japanese	Spring	6
JAPA161	Post HSC Japanese I	Autumn	6
JAPA162	Post HSC Japanese II	Spring	6
100-level: Beginners or near beginners			
JAPA110	Japan and the Japanese	Spring	6
JAPA141	Beginners' Japanese I	Autumn	6
JAPA142	Beginners' Japanese II	Spring	6
JAPA143	Beginners' Japanese III	Summer (TBA)	8
100-level: Intermediate and Advanced			
JAPA110	Japan and the Japanese	Spring	6
200-level: All students			
JAPA261	Intermediate Japanese I	Autumn	8
JAPA262	Intermediate Japanese II	Spring	8
JAPA271	In-country Japanese Session (Japan)*	Winter	8
LING210	Communicating in a Foreign Language	Spring	8
300-level			
JAPA310	Japanese Economics and Media	Autumn	8
JAPA361	Advanced Japanese I	Autumn	8
JAPA362	Advanced Japanese II	Spring	8

Electives. These general subjects do not count towards the major in Japanese. They may be taken as general electives in the degree by students majoring in Japanese or by students wishing to study the subject without majoring.

JAPA101	An Introduction to Japanese	Summer 03/04	6
JAPA102	Japanese Studies for Educational Purposes	Autumn	6
JAPA103	Japanese Studies for Business Purposes	Autumn	6

*Subject to availability. Note: JAPA271 is offered to students majoring in Japanese and places are limited. If all places are not filled, places may be made available to students undertaking the minor in Japanese.

Philosophy

Do human beings have free will? Is the mind distinct from our physical constitution? Does God exist? Is morality a matter of opinion? These are some of the questions that may be examined in introductory philosophy degrees. Areas of study include ethics, logic, feminism, aesthetics, political philosophy, philosophy of law, philosophy of language, epistemology and metaphysics.

Major Study
A major in Philosophy comprises 52 credit points of PHIL subjects, of which at least 24 credit points are 300-level PHIL subjects (POL211 may be counted in place of one 200-level PHIL subject, or one of POL314 and POL324 may be counted in place of one 300-level PHIL subject, with the approval of the Convenor of Program).
Philosophy studies within the Program divide into two broad streams of study - (1) Ethics, Politics and Law and (2) Knowledge, Mind and Metaphysics. It is recommended to students that they include in their major a spread of subjects across these two streams.

Honours
See Bachelor of Arts (Honours)

Assessment
Requirements vary from subject to subject and are set out in general terms in each of the subject entries.
It should be noted that, notwithstanding any of these provisions, the Philosophy Program Assessment Committee may, at its discretion, in respect of any subject in which assessment is by a combination of (a) in-session work and (b) end of session or end of year examinations, attach greater weight to (b) than the aggregate of (a) and (b), should the level of performance under (b) disclose significant evidence of improvement in respect of the subject as a whole.

Study Program

Subjects		Session	Credit Points
100-level			
PHIL101	Knowledge, World and Values A	Autumn	6
PHIL102	Body, Mind and Persons A	Spring	6
PHIL106	Media, Ethics and Law	Spring	6
PHIL112	Logic A	Spring	6
PHIL151	Practical Reasoning A	Autumn	6
200-level			
PHIL201	Knowledge, World and Values B	Autumn	6
PHIL202	Body, Mind and Persons B	Spring	6
PHIL206	Practical Ethics	Autumn	8
PHIL211	Greek Philosophy	N/0 2004	8
PHIL214	Practical Reasoning B	Autumn	8
PHIL215	Philosophy of the Arts	N/0 2004	8
PHIL216	Logic B	Spring	8
PHIL231	Formal Logic A	N/0 2004	8
PHIL232	Political Philosophy A	Spring	8
PHIL255	Interpretation and Communication	Spring	8
PHIL256	Ethics and the Environment A	Autumn	6
PHIL258	Ethics and the Environment B	Autumn	8
PHIL260	Philosophy of Feminism A	Autumn	8
PHIL262	Theories of Knowledge and Metaphysics A	Spring	8
PHIL270	Philosophy of Law	Spring	8
PHIL271	Special Philosophical Questions A	Spring	8
PHIL284	Ethics A	Spring	8
PHIL286	Philosophy of Social Science	Autumn	8
PHIL288	Philosophy of Mind and Action A	Autumn	8
Other approved 200-level subject			
POL211	Democracy in Theory and Practice	Spring	8
300-level			
PHIL301	Ethics B	Spring	8
PHIL305	Special Philosophical Questions B	Spring/Autumn/ Summer	8
PHIL322	Theories of Knowledge and Metaphysics B	Spring	8
PHIL351	Philosophy of Mind and Action B	Autumn	8
PHIL361	Formal Logic B	N/0 2004	8
PHIL363	Philosophy of Feminism B	Autumn	8
PHIL370	Topics in Philosophy of Law	N/0 2004	8
PHIL380	Bioethics	Spring	8
PHIL383	Political Philosophy B	Spring	8
PHIL390	Contemporary Political Philosophy	Autumn	8
Other approved 300-level subjects (Students may choose one of the following POL subjects)			
POL314	Power and the Modern State	Spring	8
POL324	Culture and Politics	Autumn	8

Politics

Political study involves examining the origins and nature of consent, authority and consensus, which underpin social order and without which all other human endeavours would become impossible. As a result political study inevitably involves morality and values but requires a sound knowledge of the political institutions, political economy, cultures, classes, genders, ethnicities and forces for change in the countries under analysis. Politics can occur at many levels from international relations to the nation state, public discourse and social relations, to personal and family relations.

Political studies at the University of Wollongong place considerable emphasis on developing strong theoretical foundations to equip students to analyse the continuing challenges of a Globalising world and their role within it. The discipline places a great deal of importance on the roles of culture and policy in both the developed and developing world.

Major Study
A major in Politics consists of 52 credit points, including at least 24 credit points at 300-level in Politics subjects. Graduates with a Politics major will normally have included at least one subject from each of the following areas in their program: (1) Australian Politics, (2) Political Theory and (3) the Politics of a country other than Australia or Comparative Politics or International Relations.
Although it does not have a politics prefix, HIST210 can be counted as part of the politics major. Students majoring in Politics may also count up to 16 cp from the following subjects: PHIL232, PHIL 270, PHIL 390, SOC 221, SOC 308. Note: students enrolled in a double major may only cross-count one subject.
(Note: Certain Politics subjects can count towards a major in Communication Studies, History or Philosophy. Others are well suited to programs containing a major in Resource and Environmental Studies).

Honours
See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit Points
100-level			
POL111	Australian Politics	Autumn	6
POL121	Politics in a Globalising World	Spring	6
POL141	Change and Debate in Contemporary Australian Politics	Summer. TBA	6
200-level			
POL211	Democracy in Theory and Practice	Spring	8
POL216	Politics in the USA	Autumn	8
POL222	Australian Public Policy	N/0 2004	8
POL224	Politics and the Media	Spring	8
POL225	International Relations: An Introduction	Autumn	8
POL230	Latin America: The Politics of Conquest and Colonisation	N/0 2004	8
POL290	Women in Society: Productive and Reproductive and Labour	Spring	8
HIST210	The European Union: Post-war integration 1945 to 1995	Spring	8
300-level			
POL301	Politics Internship	Autumn/ Spring/ Summer	16
POL314	Power and the Modern State	Spring	8
POL315	Post-Communist Politics	N/0 2004	8
POL317	Politics in the South Pacific	N/0 2004	8
POL318	The Asian Tigers - Newly Industrialising Countries in Transition	Autumn	8
POL319	Political Economy in the New Millennium	N/0 2004	8
POL323	North and South: Approaches to Relations between Advanced, Industrialising and Less Developed Countries	Spring	8
POL324	Culture and Politics	Autumn	8
POL368	Protest and Power in America: The Sixties	N/0 2004	8

History & Politics Joint Major
The School of History and Politics also offers a Joint Major for students with an interest in both disciplines. The Major offers students the opportunity to explore two disciplines without the need to complete two separate majors (sometimes known as a Double Major), and it offers students the opportunity to combine the specialist areas offered by the History and Politics Programs. The Joint Major consists of a minimum of 76 credit points. A minimum of 38 credit points must be taken from History subjects and a minimum of 38 credit points must be taken from Politics subjects.

Students taking the Joint Major must have completed at least one 100-level subject, one 200-level subject and one 300-level subject drawn from the History schedule and at least one 100-level subject, one 200-level subject and one 300-level subject drawn from the Politics schedule. The balance can be made up from any subjects from 100- to 300-level, providing pre-requisites have been met for the subjects chosen, or the waiving of pre-requisites has been approved by the Convenor of the relevant Program.
Please note: At 300 level, students must complete at least 24 credit points from the History and Politics majors.

Resource & Environmental Studies

Many environmental problems are not technical issues but involve political struggles, ethical choices, human behaviour, economic trade-offs and value conflicts over scientific knowledge.
To tackle these wider social dimensions intrinsic to most environmental issues of concern today, a wide-ranging social analysis is valuable and often essential.

Major Study
A major study in Resource and Environmental Studies for the Bachelor of Arts degree is available by undertaking the following program. It must include at least 24 credit points at 300-level.
A major in Resource and Environmental Studies involves an interdisciplinary combination of core and optional subjects totalling from 70 to 98 credit points, depending on the options chosen. The **core** is made up of five subjects from Australian Studies, Earth and Environmental Sciences, Science, Technology and Society and Philosophy. Students must also choose **optional subject sequences** from **two** of four areas: Science, Technology and Society, Earth and Environmental Sciences, Law or Economics.

Study Program

Subjects	Title	Session	Credit Points
Core			
AUST101	Australian Studies: Cultures and Identities	Autumn	6
EESC104	The Human Environment: Problems and Change	Autumn	6
STS116	Environment in Crisis: Technology and Society	Spring	6
PHIL256	Ethics and the Environment A	Autumn	6
STS300	The Environmental Context	Autumn	8

Electives

Two of sequences A, B, C and D must be completed.

Sequence A: BOTH of the following subjects:

(Note: students undertaking sequence A are strongly recommended to take ECON111, Introductory Microeconomics. Furthermore, to be able to handle ECON311 well, it is recommended that students also take ECON215, Microeconomic Theory and Policy.)

ECON309	Environmental Economics	Spring	8
ECON311	Natural Resource Economics	N/0 2004	8

Sequence B: Three of the following subjects:

(Note: Students must have successfully completed at least one 200-level subject as a prerequisite for 300-level subjects.)

EESC205	Population Studies	Autumn	6
EESC210	Social Spaces: Rural and Urban	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC308	Environment and Heritage Management	Spring	8

Sequence C: 24 credit points (2 compulsory subjects and 1 elective)

STS200	Social Aspects of Science and Technology	Autumn	8
STS335	The Politics of Risk	Spring	8

and one of the following subjects:

STS238/338	Changing Images of Nature and the Environment	N/0 2004	8
STS378	Scientific and Technological Controversy	Spring	8

Sequence D: All of the following subjects:

LAW100	Law in Society	Autumn	6
LAW308	Administrative Law	Autumn	6
LAW334	Environmental Law	Spring	6

Science, Technology and Society (STS)

Modern science and technology underpin almost every feature of our society. They impinge daily upon our lives and shape our futures. Science, Technology and Society is the academic discipline which studies the origin, nature and social impact of science and technology.

To be considered fully educated today, you must have learned to examine for yourself questions such as, 'What are science and technology? Why and how have they grown in Western Societies? How can we best control and direct science and technology?' In the past generation there has been a revolution in our understanding of the answers to these questions. The field of Science, Technology and Society is where this intellectual revolution is taking place. STS has a long and distinguished history in European and North American Universities. In the last twenty-five years it has undergone enormous expansion.

In Australia there are now STS programs at Melbourne, NSW, Murdoch, Griffith, as well as here at Wollongong, where we have one of the longest established programs in the country.

STS can be studied as a major, leading to Honours and PhD programs; as a joint major with another subject (eg with History, Sociology, English, Psychology or Philosophy); or STS subjects can be selected to complement majors in these subjects or in others, such as Science, Economics, Accountancy, Education, Metallurgy and Computing Science.

Major Study

A major in STS is composed of 60 credit points, including at least 52 cp of subjects having the prefix STS. The STS subjects must include:

1. STS100/103/200/203 Social Aspects of Science and Technology OR STS278/378 Scientific and Technological Controversy and
2. at least 24 cp of STS subjects at 300-level.

8 cp may be taken from the following: AUST101; CCS105; CCS334; CCS337; HIST363; PHIL256; PHIL258; PHIL262; PHIL322; POL121; POL224; POL314; SOC104; SOC224 (SOC221 prior to 2003); SOC231; SOC241.

Honours

See Bachelor of Arts (Honours)

Study Program

Many of the STS subjects have multiple versions depending on level, credit points and mode of delivery. Students will need to choose the subject appropriate to their program of study. In general, subject numbers beginning with the number one are for 1st year students, with a two are for 2nd year students and with a three are for third year students.

Subjects	Title	Session	Credit Points
Core			
STS100*/103*/200/203	Social Aspects of Science and Technology	Autumn	6* or 8
Or			
STS278/378	Scientific and Technological Controversy	Spring	8
STS Electives:			
STS100	Social Aspects of Science and Technology	Autumn	6

STS200	Social Aspects of Science and Technology	Autumn	8
STS103	Social Aspects of Science and Technology	N/0 2004	6
STS203	Social Aspects of Science and Technology	N/0 2004	8
STS112	Revolutions in Science: History, Philosophy and Politics of Science	Spring	6
STS212	Revolutions in Science: History, Philosophy and Politics of Science	Spring	8
STS117	Revolutions in Science: History, Philosophy and Politics of Science	N/0 2004	6
STS217	Revolutions in Science: History, Philosophy and Politics of Science	N/0 2004	8
STS116	Environment in Crisis: Technology and Society	Spring	6
STS216	Environment in Crisis: Technology and Society	Spring	6
STS218	Environment in Crisis: Technology and Society	Spring	8
STS120	Technology in Society: East and West	Spring	6
STS220	Technology in Society: East and West	Spring	8
STS221	Technology in Society: East and West	Spring	6
STS128	Computers in Society	Spring	6
STS228	Computers in Society	Spring	8
STS215	Globalisation: Technology ,Culture and Media	Autumn	8
STS315	Globalisation: Technology, Culture and Media	Autumn	8
STS223	The Politics of Medicine and Health	Summer 03/04	8
STS323	The Politics of Medicine and Health	Summer 03/04	8
STS235	The Politics of Risk	Spring	8
STS335	The Politics of Risk	Spring	8
STS376	The Politics of Risk	Spring	6
STS238	Changing Images of Nature and the Environment	N/0 2004	8
STS338	Changing Images of Nature and the Environment	N/0 2004	8
STS240	Technological change, popular culture and new media	Spring	8
STS241	Technological change, popular culture and new media	Spring	6
STS340	Technological change, popular culture and new media	Spring	8
STS250	From Molecular Genetics to Biotechnology	Autumn	8
STS350	From Molecular Genetics to Biotechnology	Autumn	8
STS260	Technology and Body Politics	N/0 2004	8
STS360	Technology and Body Politics	N/0 2004	8
STS278	Scientific and Technological Controversy	Spring	8
STS378	Scientific and Technological Controversy	Spring	8
STS288	Science and the media	Autumn	8
STS388	Science and the media	Autumn	8
STS300	The Environmental Context	Autumn	8
STS306	Special Topics in the Social and Policy Aspects of Engineering	Spring	6
STS390	Media, War and Peace	Autumn	8
STS399	Research Topics in Science Technology and Society	Spring/ Autumn	8

Other Electives:
Of the 60 credit points of the STS major, up to 8 credit points can come from this list, provided that the other conditions of the major have been met. (See STS Major above)

100-level			
CCS105	Introduction to Communication and Cultural Studies	Autumn	6
POL121	Politics in a Globalising World	Spring	6
SOC104	Communication, Media and Society	N/0 2004	6
200-level			
PHIL256	Ethics and the Environment A	Autumn	6
PHIL258	Ethics and the Environment B	Autumn	8
PHIL262	Theories of Knowledge and Metaphysics A	Spring	8
POL224	Politics and the Media	Spring	8
SOC224	Violence, Fear and civilisation: the Evolution of States	N/0 2004	8
SOC231	Social Analysis	Spring	8
SOC241	Culture and Communication	N/0 2004	8
300-level			
CCS334	Technologies of The Body	N/0 2004	8
CCS337	Hollywood and American Culture	Autumn	8
HIST363	Revolutions in World History	N/0 2004	8
PHIL322	Theories of Knowledge and Metaphysics B	Spring	8
POL314	Power and the Modern State	Spring	8

Double major in STS and Business Information Systems
Students wishing to consider this option should first consult with the Heads of BUSS and STS.

Joint Major in Sociology & Science, Technology & Society (STS)
Joint major in STS and Sociology: Students wishing to consider this option should first consult with the Convenors of Sociology and STS. The full requirements of the joint major are set out in the Sociology entry.

Sociology

Sociology is the study of social life, cultural and social change and the social causes and consequences of human behaviour. By acquiring sociological skills students develop the ability to analyse a wide variety of social processes, institutions, causes

of social change and the structures of groups and societies. Specific areas of study for sociologists include gender and social class, crime and punishment, race and ethnicity, the family, welfare and education reform, everyday life experiences, social movements, social change in Asia, sport and entertainment, and youth and popular culture.

Major Study
A major in Sociology consists of at least 54 credit points:
a) at least 6 credit points of Sociology at 100 level in either SOC103 or SOC104
b) at least 24 credit points at 200-level including SOC203 and SOC231 and an elective from Sociology subjects or a subject chosen from the list of other approved subjects at 200-level listed below;c)24 credit points at 300-level of which 16 cp must be in SOC subjects. The remaining 8 credit points may be a SOC subject or a subject from the list of other approved subjects at 300-level listed below.

Honours
See Bachelor of Arts (Honours)

Study Program

Subjects		Session	Credit points
100-level: at least one of the following subjects			
SOC103	Aspects of Australian Society	Autumn	6
SOC104	Communication, Media and Society	N/0 2004	6
200-level: at least 24 credit points including SOC203 and SOC231. Students may select another elective from the list of Sociology subjects below or from the list of Other Approved 200-level subjects.			
SOC203	Explaining Society	Autumn	8
SOC205	Sociology of the Family	Spring	8
SOC206	Youth and Popular Culture	Spring	8
SOC222	Sociology of Crime and Justice	N/0 2004	8
SOC224	Violence, Fear and Civilisation: the Evolution of States	N/0 2004	8
SOC231	Social Analysis	Spring	8
SOC241	Culture and Communication	N/0 2004	8
SOC242	Contemporary Issues in Society	Autumn	8
SOC243	Contesting Asia: Culture, Diversity, Difference	Autumn	8
SOC244	Punishment: Purpose, Practice, Policy	Spring	8
Other Approved 200-level subjects: Provided that they will have SOC203 and SOC231 on completing the major, students may select one subject from this list			
AUST246	A Sociology of Australia's Indigenous People: Contemporary Issues and Debates	Spring	8
PHIL232	Political Philosophy	Spring	8
PHIL286	Philosophy of Social Science	Autumn	8
POL224	Politics and the Media	Spring	8
POL290	Women in Society: Productive and Reproductive Labour	Spring	8
300-level: at least 24 credit points of which 16cp must have the prefix SOC			
SOC302	Contemporary Social and Political Thought	N/0 2004	8
SOC303	The Individual in Society	N/0 2004	8
SOC305	Race and Ethnic Studies	N/0 2004	8
SOC306	Researching Everyday Life	N/0 2004	8
SOC308	Social and Public Policy	Spring	8
SOC309	Social Movement and Community Activism	N/0 2004	8
SOC310	Community Organisations, the Third Sector and Civil Society	Autumn	8
SOC318	Modernity, Development and Social Change	Spring	8
SOC330	Gender and Society	Spring	8
SOC334	Bread and Circuses	N/0 2004	8
SOC341	Special Topics in Sociology	Autumn	8
SOC349	Social Regulation: Policies and Issues	Autumn	8
Other Approved 300-level subjects: Provided that they will have 16 credit points of subjects with the prefix SOC on completing the major, students may select one subject from this list.			
PHIL390	Contemporary Political Philosophy	Autumn	8
POL314	Power and the Modern State	Spring	8
POL318	The Asian Tigers: Newly Industrialising Countries in Transition	Autumn	8
POL319	Political Economy in the New Millennium	N/0 2004	8

Joint Major in Sociology and Science, Technology and Society (STS)
This joint major is intended for students whose main disciplinary interest is in the sociology of science and technology. The joint major provides both depth in sociological theory and examination of a range of issues in science and technology. It is a joint major rather than a double major. However, by taking additional subjects in STS and Sociology the joint major can be converted into a double major. There are a total of 76 compulsory cp within the program.

Sociology requirements:
At 100-level, students must do 6 cp of Sociology subjects at 100-level, including at least one of SOC103 or SOC104.
At 200-level, students must do SOC203 Explaining Society and SOC231 Social Analysis.
At 300-level, students must do 24cp of which 16cp must be in SOC subjects.
STS requirements:
38 cp of STS, including STS100 Social Aspects of Science and Technology or STS278 Scientific and Technological Controversy, with at least 16 cp at 300-level.

Major Study areas offered by other Faculties and approved for inclusion in the Bachelor of Arts

The following majors may be taken as second majors only in the single Bachelor of Arts (course code 702). BA students wishing to take one of these majors must combine it with a major from the Faculty of Arts.

In double degrees with the Bachelor of Arts, Psychology and Population Health may be taken as single majors.

Accountancy

(Taught by the Faculty of Commerce)

Major Study
The Accountancy major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts.

Students wishing to undertake this major should refer to the Course Structures of the Bachelor of Commerce.
Students are required to take the 8 subjects as set out in the Major Study (48 credit points) and will also need to satisfy any subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the Integrated subject which is a requirement of the major in the Bachelor of Commerce.

Applied Statistics

Please see the entry for Mathematics and Applied Statistics.

Economics

(Taught by the Faculty of Commerce)

Major Study
The Economics major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts.

Students wishing to undertake this major should refer to the Course Structures of the Bachelor of Commerce.

Students are required to take the 8 subjects as set out in the Major Study (48 credit points) and will also need to satisfy any subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the Integrated subject which is a requirement of the major in the Bachelor of Commerce.

Education

(Taught by the Faculty of Education)

Study in Education in the Arts degree is grouped into 3 recommended specialised strands:

- Language in Education
- Equity and Socio-cultural Diversity
- Educational Psychology and Special Education

The suggested pattern of studies for each recommended specialised strand is outlined below. Students are free to select subjects across the recommended specialised strands and are able to incorporate related areas of interest into a comprehensive program of studies. It is recommended that students consult with the BA Coordinator in the Faculty of Education regarding their intended program of studies.

Major Study
Education may be undertaken as a second major in the Bachelor of Arts (course code 702), provided that the first major is selected from one of the major studies offered by the Faculty of Arts (including Aboriginal Studies) and provided that all the degree requirements are met.

A Major in Education in the Bachelor of Arts is made up of at least 48 credit points chosen as follows.

Students must successfully complete EDUF111 and EDUF212,
Plus a further 24 credit points from 300 and 400 level subjects listed in the 3 recommended specialised strands below,
Plus a further 12 credit points from subjects listed in the 3 recommended specialised strands below. Subjects may also be selected from those listed in the Education Course Structures with an EDUE prefix (it should be noted that enrolment quotas apply). Related disciplines, such as Communication Studies, English Language and Linguistics, Psychology or Sociology, may be studied if approved by the Faculty of Education - BA (Education) Coordinator.

Subjects		Session	Credit points
Core			
EDUF111	Education I	Autumn	6
EDUF212	Education II	Spring	6
Language in Education Stream			
Students should note that a specialist qualification in Language Teaching, the Certificate In Second Language Teaching is also available. Contact the Faculty Of Education for further information.			
Elective: 200-level			
EDUC291	Youth, Culture, Education	Autumn	8
Electives: 300-level			
EDUE303	Teaching Language and Literacy Through Literature in Early Childhood Years	Autumn	6
EDUE304	Teaching Language Through Literature in the Primary and Middle Years	Spring	6
EDUE319	Programming and Methodology in Second Language Teaching	Autumn	6
EDUE336	Practicum or Project in Second Language Teaching	Autumn	6
EDUE340	Materials and Technology in Second Language Teaching	Spring	6
EDUL314	Language and Ideology	Spring	8
EDUE317	English Language: Examining Learners Problems	Autumn	6
EDUT301	Research Methods	Autumn	6
The following 2 cp subjects are also available. Students proposing to enrol in these subjects should consult with BA Coordinator within the Faculty of Education.			
EDUE328	The English Sound System	Spring	2
EDUE329	Teaching Listening to Second Language Learners	Spring	2
EDUE330	Teaching English in International Contexts	Spring	2
EDUE331	Teaching Reading to Second Language Learners	Autumn	2
EDUE332	Teaching Grammar and Vocabulary	Autumn	2
EDUE334	Teaching Writing to Second Language Learners	Spring	2
EDUE335	Teaching Speaking to Second Language Learners	Autumn	2
Equity and Socio-cultural Diversity Stream			
Elective: 200-level			
EDUC291	Youth, Culture, Education	Autumn	8
EDUC292	Gender and Social Justice	Spring	8
Electives: 300-level			
EDUC323	Curriculum and Program Evaluation	Spring	8
EDUE301	Issues in Aboriginal Education	Autumn	6
EDUE302	Aboriginal Pedagogy	Spring	6
EDUL314	Language and Ideology	Autumn	8
EDUT301	Research Methods	Autumn	6
Educational Psychology and Special Education Stream			
Electives: 200-level			
EDUC213	Educational Psychology in Teaching and Learning	Spring	6
EDUC217	Educational Psychology of Exceptional Children	Autumn	6
EDUF204	Learners with Exceptional Needs	Spring	6
EDUF232	Early Intervention and Children with Special Needs	Spring	6
Electives: 300-level and 400-level			
EDUF311	Education III	Autumn	6
EDUE320	Behaviour Management (Not to count with EDUE311)	Spring	6
EDUE321	Reading Difficulties (Not to count with EDUE312)	Autumn & Spring	6
EDUF311	Education III	Autumn	6
EDUT301	Research Methods	Autumn	6
EDUE411	Disability issues across the Life Span	Autumn	6
EDUE412	Programming for Individuals with Moderate to Severe Disabilities	Spring	6
400-Level Honours (Separate course application required)			
EDUZ401	Education Honours	Annual	24

Human Geography or Physical Geography

(Taught by the Faculty of Science)

Major Study
Human Geography or Physical Geography may be undertaken as a second major in the Bachelor of Arts, provided that the first major is selected from one of the major studies offered by the Faculty of Arts and provided that all the degree requirements are met. Students wishing to major in Human Geography or Physical Geography in the BA degree must complete 60 credit points as outlined in the Course Structures for the Bachelor of Science (course code 742). (You are not required to complete the additional elective subjects). Please refer to the course structures of the Bachelor of Science for details of the major. Students anticipating a career in teaching would be well advised to choose options from both physical and human geography, and may also choose Geology subjects depending on the prerequisites.

Legal Studies

(Taught by the Faculty of Law)

Note: Legal studies subjects are not designed to prepare students to be practising lawyers.

Major Study
The Legal Studies major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts. Students wishing to major in legal studies in the Bachelor of Arts degree must complete 54 points of Legal Studies subjects at Pass Grade or better. LAW100 Law in Society is a compulsory subject in the BA major study. At least 24 credit points of the major study must be taken at the 300-level.

NOTE: The Legal Studies major is NOT available to students enrolled in the Bachelor of Arts / Bachelor of Laws degree.

Study Program

Subjects		Session	Credit Points
Core			
LAW100	Law in Society	Autumn	6
Elective: 200-level			
LAW210	Contract Law	Spring	6
Electives: 300-level			
LAW302	Law of Business Organisations	Autumn	6
LAW303	Children, Families and the Law	Autumn	6
LAW304	Criminal Law and the Process of Justice	Autumn	6
LAW308	Administrative Law	Autumn	6
LAW315	Taxation Law	Spring	6
LAW316	Occupational Health and Safety	Autumn	6
LAW317	E-Commerce Law	Spring	6
LAW330	Law of Employment	Autumn	6
LAW331	Intellectual Property Law	Autumn	6
LAW332	Labour Relations Law	Spring	6
LAW334	Environmental Law	Spring	6
LAW335	Anti-Discrimination Law	Spring	6
LAW343	International Law	Autumn	6
LAW344	Indigenous Peoples and Legal Systems	Spring	6
LAW348	Media Law	Autumn	6
LAW352	Advanced Taxation Law	N/O 2004	6
LAW360	Foreign Investment Law in the People's Republic of China	Summer	6
LAW366	Selected Issues in Legal Studies	Autumn/Spring	6

Additional Information
The maximum number of class hours will not exceed an average of four per week per subject. The subject program will specify the actual class hours required for each subject.
Seminars normally commence in the first week of session. Students are asked to indicate their preferred seminar/tutorial times prior to the commencement of session.
Important: There may be some restrictions on class sizes in Legal Studies subjects. Accordingly, students are strongly advised to finalise their enrolment in Legal Studies subjects for BOTH Autumn and Spring sessions as early as possible, preferably before the commencement of the academic year. In certain instances, adding Legal Studies subjects after the enrolment or re-enrolment dates may not be possible.

Management

(Taught by the Faculty of Commerce)

Major Study
The Management major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts.

Students wishing to undertake this major should refer to the Course Structures of the Bachelor of Commerce.

Students are required to take 8 subjects as set out in the Major Study (48 credit points) and will also need to satisfy the subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the Integrated subject which is a requirement of the major in the Bachelor of Commerce.

Marketing

(Taught by the Faculty of Commerce)

Major Study
The Marketing major may be taken in the Bachelor of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts.
Students wishing to undertake this major should refer to the Course Structures of the Bachelor of Commerce. Students are required to take the 8 subjects as set out in the Major Study (48 credit points) and will also need to satisfy any subject prerequisites of any of these subjects. Students in the Bachelor of Arts are not required to complete the core subjects of the Bachelor of Commerce, nor the Integrated subject which is a requirement of the major in the Bachelor of Commerce.

Mathematics & Applied Statistics

(Taught by the Faculty of Informatics)

Major Study
Students can complete a 48 credit point major study in Mathematics or Applied Statistics as a second major within the Bachelor of Arts degree. Students must also undertake a major study taught by the Faculty of Arts. (Aboriginal Studies has the same status as a Faculty of Arts major). Please refer to the Bachelor of Mathematics Major in Mathematics or Applied Statistics entry for detailed requirements. Students are welcome, and encouraged, to consult an academic adviser from the School of Mathematics and Applied Statistics about their choice of subjects.

Psychology

(Taught by the Faculty of Health and Behavioural Sciences)

Students please note: The course code for the Bachelor of Arts in the Faculty of Arts is 702. Note: Students completing this major in the single Bachelor of Arts degree under Course code 702 must also undertake a major study taught by the Faculty of Arts.

Major Study
The Psychology major may be taken in the Bachelor of Arts in the Faculty of Arts (course code 702) as a second major, provided that the first major is taught by the Faculty of Arts. Aboriginal Studies has the same status as a major taught by Arts. Students enrolled under Course Code 708 should refer to the Faculty of Health and Behavioural Sciences, which administers that degree. Students wishing to undertake this major should refer to the Course Structures of the Bachelor of Arts in the Faculty of Health and Behavioural Sciences.

Notes: Students of the Faculty of Arts do not select elective subjects from the Health and Behavioural Sciences schedule. Students enrolled in Arts or Communication double degrees may take Psychology as a single major.

Bachelor Of Arts (Community & Environment)

Testamur Title:	Bachelor of Arts (Community & Environment)
Abbreviation:	BA
Home Faculty:	Faculty of Arts
Duration:	3 years full-time of part-time equivalent
Total Credit Points:	144
Delivery Mode:	Varies according to location
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); $6,400 AUD per session (international)
Location:	Bateman's Bay, Bega, Moss Vale, Shoalhaven
UOW Course Code:	BB702, BE702, MV702, SH702
UAC Code:	753106, 753107, 753108, 753102
CRICOS Code:	000612E

Note: Students undertaking the BA at Bateman's Bay, Bega, Moss Vale or Shoalhaven must complete a major in Community & Environment

Overview

Why does taking part in Anzac Day or preserving a piece of rainforest mean different things to different people? What part is played by the media, government, the community, scientists and industries in dealing with our environmental crisis? These are just a few questions the BA (Community & Environment) addresses.

The BA Community and Environment is unified in two ways:

- Subject content is presented in themes identified by local communities on the South Coast as useful and relevant. These themes are communication; environment; cultural heritage which includes literature, history and Aboriginal studies, and social policy. Australian material is presented within the context of the international scholarly literature.
- Students develop a range of intellectual and technical skills over the years of study. The University of Wollongong has a strong commitment to enabling students to graduate with a wide variety of attitudes, knowledge and skills. This degree has an emphasis on providing students with transferable skills in written and oral communication, problem solving, research and computer applications. Employers are looking for these skills.

Advanced Standing

Information about Approved Credit Transfer Arrangements is available at
http://www.uow.edu.au/handbook/advancedstanding/

Course Requirements

The Bachelor of Arts (Community and Environment) is made up of 144 credit points of subjects listed in the course structures for the Faculty of Arts or the General Schedule. The degree requires students to complete the major in Community and Environment (78-80 credit points) as set out below. The remainder of the credit points in the degree can be made up of subjects from the Course Structures of the Faculty of Arts or the General Schedule. Students who wish to do so may complete another major study as well as Community and Environment, but this normally means that they commute to Wollongong for some subjects. For a list of other major studies available, please see the Bachelor of Arts (Course Code 702). In their first two semesters of study, students must undertaken at least 12 credit points in subjects taught by member units of the Faculty of Arts and may undertake no more than 60 credit points of 100-level subjects. Students should refer to the Award Rules for the Bachelor of Arts for further details. Major studies completed are noted on the student's testamur, awarded at Graduation.

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Honours

A Community and Environment Honours year is available at our South Coast campuses. The end-on Honours year will be made up of coursework and a supervised thesis designed to prepare students for further research in future employment or future study.

To be eligible to study honours, students must have completed a major in Community and Environment with an average of 70 or above in at least three 300 level subjects.
The Faculty of Arts Honours Handbook can be accessed as a PDF document at the following web address:
http://www.uow.edu.au/arts/current/honsb.pdf

See also Bachelor of Arts (Honours)

Community & Environment

The BA in community and Environment is a coherent interdisciplinary degree based around a core and electives chosen from a range of subjects offered by the Faculties of Arts, Commerce, Informatics and Science. Some subjects that are also offered on the Wollongong campus will be available in a flexible delivery mode in Nowra, Batemans Bay, Bega and Moss Vale.

Students gain a broad general education with an emphasis on gaining transferable skills in written and oral communication, research and computer applications. While the traditional humanities and social sciences skills of reading to understand, writing essays and making convincing oral presentations are central, so are the related skills of report and submission writing, understanding the use of statistics in arguments and using the new technologies to find and present information.

Students are able to study progressions of subjects with a strong Australian content in the areas of environment, social and public policy, cultural heritage (including Aboriginal studies, history and literature), and communication studies (including film and television).

Major Study
The Community and Environment major is made up of 78 - 80 credit points, consisting of four to five core subjects* at 100-level (24 - 30 credit points), three to four core subjects* at 200-level (24 - 32 credit points) and 24 credit points at 300-level made up of the two core subjects and one elective from the 300-level Arts offerings. The remainder of the degree (64 - 66 credit points) consists of electives chosen from Arts or from the subjects offered from the other degrees offered at the South Coast and Southern Highlands campuses.
Note: Students may take the Philosophy subject Practical Reasoning as EITHER PHIL151 or PHIL214.

Honours
See Bachelor of Arts (Honours)

Study Program

Subjects		Session*	Credit Points
*Note: where no location is specified, the subject is offered at Wollongong, Batemans Bay, Bega, Moss Vale and Shoalhaven campuses.			
100-level Core			
ARTS112	People and Place	Autumn	6
ARTS113	Society and Representation	Spring	6
CCS105	Introduction to Communication and Cultural Studies	Autumn	6
ELL161	English for Academic Purposes: a First Language Perspective	Autumn	6
PHIL151*	Practical Reasoning A	Autumn	6
100-level electives**			
ABST150	Introduction to Aboriginal Australia	See Subject List	6
EDUF111	Education I	See Subject List	6
ELL171	An Introduction to Linguistics: The English Language	Spring	6
EESC104	The Human Environment: Problems and Change	Autumn	6
PSYC101	Introduction to Behavioural Sciences	Autumn	6
200-level Core			
ENGL260	Nineteenth Century Australian Literary Culture	Autumn	8
HIST218	Consensus, Conflict and Culture: Australia, 1888-1988	Autumn	8
PHIL214*	Practical Reasoning B	Autumn	8
SOC231	Social Analysis	Spring	8
Electives: 200-level**			
ABST200	Aboriginal History Since Invasion	Autumn	8
CCS219	Australian Screen	Spring	8
EESC210	Social Spaces: Rural and Urban	Spring	6
POL290	Women in Society: Productive and Reproductive Labour	Spring	8
STS218	Environment in Crisis: Technology and Society	Spring	8
300-level Core			
SOC308	Social and Public Policy	Spring	8
STS300	The Environmental Context	Autumn	8
Electives: 300-level**			
CCS357	Television Cultures	Spring	8
SOC306	Researching Everyday Life	N/O 2004	8
ABST300	Indigenous Theories of De/Colonisation	Spring	8
ENGL337	Sex, Power and Chivalry: Medieval to Modern Literature	Spring	8
HIST334	Regional History	Autumn	8
HIST380/ AUST300/ ENGL371	Twentieth Century Australian Literary Culture	Spring	8

* Note: Students may take the core Philosophy subject Practical Reasoning\ at either 100 or 200 level.

** Electives may also be chosen from other Faculties' subjects offered at the South Coast and Moss Vale campuses, subject to meeting entry requirements.

Bachelor Of Arts (Dean's Scholars)

Testamur Title:	Bachelor of Arts (Dean's Scholars)
Abbreviation:	BA
Home Faculty:	Faculty of Arts
Duration:	3 years full-time of part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); $6,400 AUD per session (international)
Location:	Wollongong
UOW Course Code:	702 A
UAC Code:	753105
CRICOS Code:	000612E

Overview

The Dean's Scholars Degree provides an academic space for high-achieving single degree Arts students. With a limited intake of ten students per year, it aims to provide an enriched educational experience for high-achieving, motivated Arts and Humanities students who are hoping to make a contribution to their field of study through teaching or research, or as professionals in Arts or humanities areas. Students have the opportunity to attempt subjects not normally available to first-year students and to perform above the level normally expected at first-year. They may be granted exemption from certain first-year subjects and may be permitted extended subject loads, enabling them to complete the degree in under the normal time and enter Honours in their third year.

Each Dean's Scholar has an academic mentor, a member of academic staff who undertakes to offer advice in the Scholar's major area of study.

The Dean's Scholars degree is not a scholarship. Students intending to apply for a place in this degree are encouraged to apply for a University of Wollongong undergraduate scholarship separately.

Dean's Scholars must undertake one major study from the Faculty of Arts and must maintain an average of 75 in each year of study. If the student's average falls below 75, the student will be transferred into the Bachelor of Arts (UOW Course code 702).

Advanced Standing

Information about Approved Credit Transfer Arrangements is available at
http://www.uow.edu.au/handbook/advancedstanding/

Course Requirements

The Bachelor of Arts (Dean's Scholars) is made up of 144 credit points of subjects listed in the course structures for the Faculty of Arts or the General Schedule. In their first two semesters of study, students must undertake at least 12 credit points in subjects taught by member units of the Faculty of Arts and may undertake no more than 60 credit points of 100-level subjects. Students should refer to the Award Rules for the Bachelor of Arts for further details.

The degree requires one major study to be completed, but a student may undertake two major studies within the normal requirements of the degree. Completed major studies are noted on the student's testamur, awarded at Graduation. The degree does not have subjects compulsory for all students, but individual majors may have compulsory subjects.

Major Study Areas from the Faculty of Arts:

Dean's scholars select their major or majors from this list, but may select subjects from the General Schedule to make up their total of 144 credit points.

Aboriginal Studies
Asia Pacific Studies
Australian Studies
Communication Studies
English Language Studies
English Studies
European Studies
French
Gender Studies
History
History and Politics Joint Major

Information Studies
Italian
Japanese
Philosophy
Politics
Resource and Environmental Studies
Science, Technology and Society
Sociology

Minor Studies in Languages Other Than English:
French
Italian
Japanese
Spanish

Arts Internship Subject (see subject description for ARTS301)

Assessment
Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Honours

Students who successfully complete the Bachelor of Arts (Dean's Scholars) Advanced Degree will be accepted into Honours, provided that supervision is available in the Faculty for their proposed thesis topic.

Entry to 400-level (Honours) is determined by a recommendation from the Co-ordinator of the School, following the student's application to the University and the School for admission to the Honours year. The School normally accepts only students whose average grade in their major is at least a high Credit, particularly at 200- and 300-levels. Approved students then enrol in a 48-credit point Honours course, which may be taken as a one-year full-time course, or as a part-time course of up to four consecutive sessions (not including Summer).

Students considering Honours should discuss their undergraduate subject choices with the Honours Co-ordinator for the School as early as possible and especially prior to the commencement of 300 level subjects.

The Faculty of Arts Honours Handbook can be accessed as a PDF document at the following web address:
http://www.uow.edu.au/arts/current/honsb.pdf

Bachelor of Arts (Honours)

Testamur Title:	Bachelor of Arts (Honours)
Abbreviation:	BA (Hons)
Home Faculty:	Faculty of Arts
Duration:	1 year full-time of part-time equivalent
Total Credit Points:	48
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Normally autumn, but some schools permit mid-year entry
Standard Course Fee:	HECS (local); $6,900 AUD per session (international)
Location:	Wollongong
UOW Course Code:	701
UAC Code:	n/a
CRICOS Code:	000611F

Overview

The Honours year functions in the university curriculum principally as a bridge between undergraduate study and advanced research. While it does offer, through options, the chance to complete coverage of the discipline, it aims primarily to provide depth of study, developing sophisticated analysis and requiring study in a specialised area of interest as a research project.

Each Program has its unique Honours Course. In all cases, students considering Honours or Joint Honours are encouraged to talk to the School Honours Coordinators well in advance to seek approval for enrolment, discuss their program, and negotiate a thesis topic and supervisors.

Honours is the most direct pathway to further academic research; a class II division 2 (II.2) is the minimum requirement for entry into an MA research or PhD program. As such, the Honours year provides:

- training in research skills, in information systems (archives, the Library, databases, electronic research networks);
- opportunity to practice articulating complex ideas orally and in writing, practice in working closely with a supervisor on a project and in preparing a major project within a deadline;
- experience in devising, researching and writing up an individual topic of study in an extended argument/thesis.

Entry Requirements

Entry to the Bachelor of Arts (Honours) is determined by a recommendation from the Co-ordinator of the School, following the student's application to the University and the School for admission to the Honours year

To qualify for admission to a course leading to a Bachelor of Arts Honours degree a person shall have:

- qualified at this University for the award of a relevant pass bachelor degree, either with merit or in which the 300 level subjects in a relevant major study were completed at an average of Credit grade or better (depending on the requirements of the School or Program); or
- qualified at another tertiary institution for the award of a pass bachelor degree containing a coherent study equivalent to a relevant major study and in which the 300 level subjects, or the equivalent, were completed at the equivalent of an average of Credit grade or better; and
- satisfactorily completed other approved requirements.

Course Requirements

Honours is a 48 credit point program comprising coursework and a research thesis (also referred to as the Honours Project or dissertation). Full time students complete the work in one year and part time students take as long as two years.

Each School has its unique Honours Course. In all cases, students considering Honours or Joint Honours are encouraged to talk to the School Honours Coordinators well in advance to seek approval for enrolment, discuss their program, and negotiate a thesis topic and supervisors.

Grade of Honours

The overall grade of Honours is determined by calculation of the weighted average mark (WAM) for the 400-level subject in which the student is enrolled. Honours is awarded in the following categories:
Class I (WAM 85 to 100%)
Class II, Division 1 (WAM 75 to less than 85%)
Class II, Division 2 (WAM 65 to less than 75%)
Class III (WAM 50 to less than 65%)
If the WAM is below 50%, an honours grade is not awarded.

Areas of Study in Honours

An honours year in the Faculty of Arts is available in the following discipline areas:

Aboriginal Studies#
Communication and Cultural Studies
Community and Environment*
English Language and Linguistics
English Studies
European Studies
French
History
Italian
Japanese
Philosophy
Politics
Science, Technology and Society
Sociology
**Available at Batemans Bay, Bega, and Shoalhaven only.*

Students may also undertake **Joint Honours** where two of the areas set out above can be combined.

Students who have completed a double major may be accepted into an Honours year. The Honours course will be administered by the academic unit of the student's second major, subject to approval by the Head of the relevant academic unit and the Head of the Aboriginal Studies Program.

Honours Guide and Code of Practice (Honours)

The Faculty of Arts Honours Guide provides detailed information on all Honours courses. It is provided in hard copy to all honours students can be accessed as a PDF document at the following web address:
http://www.uow.edu.au/arts/current/honsb.pdf

Students are advised to refer to the following University of Wollongong web site for access to the **Code of** Practice - Honours: http://www.uow.edu.au/handbook/codesofprac/cop_Honours.html

Honours subjects

Students enrol in one subject worth 48 credit points. The way the subject is constituted (i.e. the relationship between thesis and coursework) is determined by individual Programs and/or Schools. Details of the Honours courses offered by different Programs are outlined below.

Subjects		Session	Credit Points
School of English Literatures, Philosophy and Languages			
ELL 450	Honours in English Language Studies	Annual/Spring/Autumn	48
ENGL400	English IV Honours	Annual/Spring/Autumn	48
ENGL403	Combined Honours (English)	Annual/Spring/Autumn	48
EURO401	European Studies Honours	Annual/Spring/Autumn	48
FREN450	French IV Honours	Annual/Spring/Autumn	48
ITAL450	Italian IV Honours	Annual/Spring/Autumn	48
JAPA450	Japanese IV Honours	Annual/Spring/Autumn	48
LANG425	Combined French and Italian Honours	Annual/Spring/Autumn	48
PHIL403	Philosophy Honours	Annual/Spring/Autumn	48
PHIL413	Combined Philosophy Honours	Annual/Spring/Autumn	48
School of History and Politics			
HIST401	History IV (Honours)	Annual/Spring/Autumn	48
HIST430	Joint Honours in History and another Discipline	Annual/Spring/Autumn	48
POL 401	Politics IV (Honours)	Annual/Spring/Autumn	48
POL 430	Joint Honours in Politics and another Discipline	Annual/Spring/Autumn	48
School of Social Sciences, Media and Communication			
CCS 400	CCS Honours	Annual/Spring/Autumn	48
CCS 405	Joint Honours in Communication & Cultural Studies and another Discipline	Annual/Spring/Autumn	48
SOC 400	Sociology IV(Honours)	Annual/Spring/Autumn	48
SOC 450	Joint Honours in Psychology and Sociology	Annual/Spring/Autumn	48
SOC 451	Joint Honours in Sociology and another Discipline	Annual/Spring/Autumn	48

STS 400	Science, Technology and Society Honours	Annual/Spring/Autumn	48
STS 430	Joint Honours in Science, Technology & Society & another Discipline	Annual/Spring/Autumn	48

Community and Environment

ARTS401	Community and Environment Honours (Batemans Bay, Bega and Shoalhaven campuses only)	Annual	48

Double degrees with the Bachelor of Arts

The following double degree programs are available to suitably qualified students of the Faculty of Arts. The Faculty of Arts administers the Bachelor of Arts/Bachelor of Commerce and the Bachelor of Communication and Media Studies/ Bachelor of Arts.

For information on double degrees administered by other faculties, students should consult the entries of the second faculty (see "Home Faculty" in the table below).

UAC Code	UOW Code	Home Faculty	Course name
751301	703	Arts	Bachelor of Arts/Bachelor of Commerce
751201	771	Law	Bachelor of Arts/Bachelor of Laws
751350	794	Arts	Bachelor of Communication and Media Studies/Bachelor of Arts (for details, see under Double Degrees with the Bachelor of Communication and Media Studies)
751501	720	Creative Arts	Bachelor of Creative Arts/Bachelor of Arts
751302	704	Engineering	Bachelor of Engineering (Civil, Environmental, Materials, Mechatronics, Mining)/Bachelor of Arts
751303	704E and 704F	Informatics	Bachelor of Engineering (Computer, Electrical, Telecommunications)/ Bachelor of Arts
751801	747 and 747A	Science	Bachelor of Science/Bachelor of Arts

Bachelor Of Arts / Bachelor of Commerce

Testamur Title:	Bachelor of Arts/ Bachelor of Commerce
Abbreviation:	BA, BCom
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time of part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Standard Course Fee:	HECS (local); $6,900 AUD per session (international)
Location:	Wollongong
UOW Course Code:	703
UAC Code:	751301
CRICOS Code:	012086A

Overview

This double degree program enables students to combine a major study from the Bachelor of Arts with the core subjects and a major study from the Bachelor of Commerce. The advantage of a the double degree over a double major in Arts and Commerce subjects in the BA is that it enables qualified students to proceed to an honours year in either Arts or Commerce.

Course Requirements

To qualify for the award of the double degree of Bachelor of Arts, Bachelor of Commerce a candidate shall accrue an aggregate of at least 216 credit points by satisfactory completion of subjects approved for inclusion in the Bachelor of Arts, the Bachelor of Commerce and the General Schedule.

The 216 credit points shall include:

- the subjects prescribed for one of the majors for the Bachelor of Arts degree; this will include one major study taught by a member unit of the Faculty of Arts or a major in Psychology or Population Health;*
- the subjects prescribed for one of the majors for the Bachelor of Commerce degree;
- not more than 96 credit points for 100-level subjects.

Note the change to course rule 105, as from 2004 "In the case of Arts double degrees the major study required for the Arts component of the double degree will be selected from one of the majors or joint majors offered by member units of the Faculty of Arts** and approved for inclusion in the Course Structures of the Bachelor of Arts (course code 702).
Exception: Students majoring in Psychology or Population Health in Arts double degree programs will complete the subjects prescribed for the those majors in the course structures of Bachelor of Arts offered by the Faculty of Health and Behavioural Sciences (course code 708)."
** Including Aboriginal Studies.

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Major Study

The requirements for all Arts majors are listed under the Bachelor of Arts in the Faculty of Arts where the majors are administered by the Faculty of Arts or for Psychology and Population Health in the Bachelor of Arts in the Faculty of Health and Behavioural Sciences. The requirements for all Commerce majors are listed under the Bachelor of Commerce within the Faculty of Commerce. Students enrolled in the double degree program should consult both faculties about their choice of major studies.

Honours

An Honours degree of Bachelor of Arts or Bachelor of Commerce requires additional study (one year full-time, or two years part-time) and may be undertaken by students who meet the requirements for enrolment in Honours. early as possible and especially prior to the commencement of 300 level subjects.

Students should consult the single degree Bachelor of Arts and Bachelor of commerce entries for Honours requirements.

The Faculty of Arts Honours Handbook can be accessed as a PDF document at the following web address:
http://www.uow.edu.au/arts/current/honsb.pdf

Bachelor of Communication and Media Studies

Testamur Title:	Bachelor of Communication and Media Studies
Abbreviation:	BCM
Home Faculty	ARTS
Course Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local), $7,200 per session AUD (international)
Campus:	Wollongong
UOW Course Code:	798
UAC Code:	753109 (Journalism) 753110 (Screen Studies) 753111 (Advertising and Marketing) 753113 (Media Technology Studies)
CRICOS Code:	045471G

Overview

This degree draws on the university's expertise in global communication and digital media. It offers students the opportunity to develop competence in one of the specialist streams.

Entry Requirements/Assumed Knowledge

NSW HSC entry through UAC:
Students apply through UAC and satisfy the UAI requirement for the year of application. Assumed knowledge: any two units of English.

Other secondary qualifications:
Students with secondary qualifications outside NSW will be considered on a case-by-case basis.

Tertiary Qualifications
Applications will be considered from students with the following tertiary qualifications:
A completed Associate Diploma, Diploma or Advanced Diploma from TAFE or another accredited institution;
Not less that one-sixth of a Bachelor degree from an approved University;
Other tertiary courses approved by the University of Wollongong.**Overseas qualifications**
Students with tertiary qualifications obtained overseas will be considered provided that they satisfy University's minimum admission requirements.

Alternative Entry (Domestic applicants)
STAT test
UAP
Aboriginal and Torres Strait Islander alternative entry program

Advanced Standing

Information about Approved Credit Transfer Arrangements is available at
http://www.uow.edu.au/handbook/advancedstanding/

Course Requirements

All students undertake the 56 credit point core. To complete the major students must also take the required subjects in one of the five Specialist Streams (Advertising and Marketing, Journalism, Media Technology Studies or Screen Studies). Students may take extra credit points in optional Summer Session subjects appropriate to their Specialist Streams. The remainder of the 144 credit points may be taken from the Course structures of this degree, subjects taught by member units of the Faculty of Arts (including Aboriginal Studies), or from subjects listed in the General Schedule

Second majors: Students may take a second major study from this degree by completing the subjects in another specialist stream or they may take a second major from the major studies offered by the member units of the Faculty of Arts (including Aboriginal Studies). Students who decide to take a second major from Arts may need to complete more than the required minimum of 144 credit points for the degree.

Students may not count more than 60 credit points at 100-level in the degree.

Continuation in the Bachelor of Communication and Media Studies will be dependent upon the student's achieving a cumulative average of at least 65% at the end of each academic year. Students who do not meet the required average will be transferred to the Bachelor of Arts (702).

Course Program

Core

All students enrolled in the degree must complete the following subjects:

Subjects		Session*	Credit Points
100-level Core			
CCS105	Introduction to Communication and Cultural Studies	Autumn	6
SOC110	Understanding Audiences	Autumn	6
POL121	Politics in a Globalising World	Spring	6
PHIL106	Media, Ethics and law	Spring	6
200-level Core			
CCS207	Culture: Central Problems and Critical Debates	Spring	8
POL224	Politics & The Media	Spring	8
300-level Core			
CCS357	Television Cultures (this subject replaces CCS388 in the core for 2004 only)	Spring	8
STS390	Media, War and Peace	Autumn	8

Summer Session electives

Summer Session subjects are optional and are available to all students enrolled in the degree. Students must satisfy prerequisites for upper-level subjects.

Subjects		Session*	Credit Points
DESN108	Screen Production	N/O 2004	6
DESN109	Screen Production B	TBA	6
DESN190	Introduction to Digital Imaging	Summer	6
DES2N11	Introduction to Web Design	TBA	6
JOUR299	Desktop publishing	Summer	8

Major Studies

Advertising and Marketing

This major will provide students with an understanding of markets, and how these may be reached by manipulating the "marketing mix", the core elements of marketing practice. A focus on the psychology of consumers as decision-makers provides a foundation for the management of the "marketing communication mix", the various channels through which goods and services are promoted and advertised in the marketplace. The subjects in the stream cover the theory and practice of marketing in both national and international contexts.

These subjects are taught by the Faculty of Commerce.

Major Study

The Advertising and Marketing major is made up of the 56 credit point core and all the following subjects:

Subjects (All subjects are compulsory)		Session	Credit Points
100-level			
MGMT110	Introduction to Management and Employment Relations	Autumn/ Spring	6
MARK101	Marketing Principles	Autumn/ Spring	6
200-level			
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Autumn	6
300-level			
MARK333	Advertising & Promotions Strategy	Spring	6
MARK343	International Marketing	Spring	6

Journalism

The Journalism sequence is designed to develop basic journalism skills to complement the conceptual knowledge of media process in the BA Communication & Media Studies program. Instead of looking at journalism from three separate media -- print, radio and television -- the sequence focuses on media convergence based on the practical foundation of generic print media techniques. Students take four core journalism subjects. Teaching approaches focus on learning by doing.

Major Study

The Journalism major is made up of the 56 credit point core and all the following subjects:

Subjects		Session	Credit Points
All subjects are compulsory			
200-level			
JOUR201	Print Media Reporting	Autumn	8
JOUR202	Feature Writing	Spring	8
300-level			
JOUR301	Investigative Reporting	Autumn	8
JOUR302	Directed Study /Practice	Spring	8

Media Technology Studies

To navigate in an information-rich environment, the key in the future will be the ability to continually learn to use, critically analyse, reflect on and transform the information systems in place. A crucial part of this is understanding the nature, dynamics and management of media technologies. Challenging the assumption that technologies are neutral and introduced solely on the basis of efficiency or consumer demand, the subjects in this stream explore the ways media technologies are chosen, promoted and contested by competing interest groups.

Major Study

The major in Media Technology Studies is made up of the 56 credit point core and the following subjects:

Subjects		Session	Credit Points
200-level			
STS200	Introduction to Science, Technology and Society	Autumn	8
STS228	Computers in Society	Spring	8
300-level			
Students must take two of the following subjects:			
CCS335	Electronic Cultures	Spring	8
STS315	Globalisation: Technology, Culture and Media	Autumn	8
STS388	Science and the Media	Autumn	8

Screen Studies

Students specialising in Screen Studies will gain experience in media content analysis, and will be introduced to the history of film and television production in Australia and the United States. In addition, they will become familiar with the key policy and theoretical issues raised by the globalisation of broadcast media. This specialisation will offer students a chance to develop advanced skills in research and critical analysis of the screen media.

Major Study

The major in Screen Studies is made up of the 56 credit point core and the following subjects:

Subjects		Session	Credit Points
Students must choose four of the following seven subjects:			
200-level			
CCS217	Film Form & Style	Autumn	8
CCS219	Australian Screen	Spring	8
300-level			
CCS333	Genre: Theory and Analysis	Spring	8
CCS337	Hollywood and American Culture	Autumn	8
CCS341	Screen Studies: Advanced Seminar (Note: this subject has a quota of 24)	Spring	8
CCS357	Television Cultures	Spring	8
ENGL350	Fantasy & Popular Fiction	N/O 2004	8

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Double degrees with Communication and Media Studies

The following double degree programs are available to suitably qualified students of the Faculty of Arts. The Faculty of Arts administers the Bachelor of Communication and Media Studies/Bachelor of Arts, the Bachelor of Communication and Media Studies/Bachelor of Commerce and the Bachelor of Communication and Media Studies/Bachelor of Science.

For information on the second degrees, students should consult the entries of the second faculty.

UAC Code	UOW Code	Home faculty	Course name
751350	794	Arts	Bachelor of Communication and Media Studies/Bachelor of Arts
751351	795	Arts	Bachelor of Communication and Media Studies/Bachelor of Commerce
751352	796	Creative Arts	Bachelor of Communication and Media Studies/Bachelor of Creative Arts
751210	760	Law	Bachelor of Communication and Media Studies/Bachelor of Laws
751353	797	Arts	Bachelor of Communication and Media Studies/Bachelor of Science

Bachelor of Communication and Media Studies / Bachelor of Arts

Testamur Title:	Bachelor of Communication and Media Studies/Bachelor of Arts
Abbreviation:	BCM, BA
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time of part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Standard Course Fee:	HECS (local); $7,200 AUD per session (international)
Location:	Wollongong
UOW Course Code:	794
UAC Code:	751350
CRICOS Code:	TBA

Overview

By combining the Bachelor of Communication and Media Studies with another degree, students will broaden their employment prospects into the growing areas of media and communication. In the BCM, students can take a major in journalism, marketing, screen and media studies or media technology studies, and still take elective subjects in the other

areas. The core of the BCM deals with contemporary issues in politics, communication studies and media, giving students a broad grounding in which to situate their major study. For the Arts degree, the BCM adds employment focus, with identifiable career options in journalism, advertising and marketing. The journalism major in the BCM combines well with the humanities areas in the Arts degree. It provides an avenue for Arts students to extend their writing skills in an area directly tied to an employment destination.

Course Requirements

To qualify for the award of the Bachelor of Communication and Media Studies/Bachelor of Arts a candidate must:

- complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major studies in that degree;
- complete one major study offered by a member unit of the Faculty of Arts (including Aboriginal Studies) or a major in Psychology or Population Health*;
- complete not more than 90 credit points at 100-level;
- where necessary, undertake elective subjects from the Course Structures of the Bachelor of Arts, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been completed.

* Students majoring in Psychology or Population Health in Arts double degree programs will complete the subjects prescribed for the those majors in the course structures of Bachelor of Arts offered by the Faculty of Health and Behavioural Sciences (single degree course code 708).

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Major Study

Students must take one major from each degree program. If a student wishes to take more than one major from a degree program, s/he should see an academic adviser in the Faculty of Arts.

Please note: Because of an overlap of core subjects, students in this degree cannot take Communication subjects as a major in the Arts component of the double degree.

Majors in the Bachelor of Communication and Media Studies available in 2004

For details of the major studies please refer to the Bachelor of Communication and Media Studies (single degree entry). Majors are available in: Advertising and Marketing, Journalism, Media Technology Studies, Screen Studies.

Majors in the Bachelor of Arts

All Arts majors and their requirements are listed under the Bachelor of Arts entry.

Students enrolled in the double degree program should consult the ad academic adviser in the Faculty of Arts about their choice of major studies.

Honours

A Bachelor of Arts (Honours) degree requires additional study (one year full-time, or two years part-time) and may be undertaken by students who meet the requirements for enrolment in Honours. Students considering Honours should consult with the Faculty honours co-ordinator before choosing 300 level subjects.

A Bachelor of Communication and Media Studies (Honours) degree will be proposed by the Faculty of Arts in 2004 to begin in 2005.

Students should consult the single degree Bachelor of Arts entries for Honours requirements.

The Faculty of Arts Honours Handbook can be accessed as a PDF document at the following web address:
http://www.uow.edu.au/arts/current/honsb.pdf

Bachelor Of Communication and Media Studies / Bachelor of Commerce

Testamur Title:	Bachelor of Communication and Media Studies/ Bachelor of Commerce
Abbreviation:	BCM, BCom
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time of part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Standard Course Fee:	HECS (local); $7,200 AUD per session (international)
Location:	Wollongong
UOW Course Code:	795
UAC Code:	751351
CRICOS Code:	TBA

Overview

This double degree program enables students to combine a major study from the Bachelor Communication and Media Studies with the core subjects and a major study from the Bachelor of Commerce. Many students interested in communication studies actually want to work at management level in the business sector. The advertising and marketing major in the BCM will allow Commerce students a little more space to extend their business focus. The core subjects and the other majors in the degree (journalism and screen and media studies, for example) add employment options to the degree program.

Course Requirements

To qualify for the award of the Bachelor of Communication and Media Studies/Bachelor of Commerce, a candidate must:

- complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major studies in that degree;
- complete subjects from the Commerce Schedule, including core subjects, and subjects to satisfy the requirements of one of the Commerce majors.
- complete not more than 90 credit points at 100-level;
- where necessary, undertake elective subjects from the Course Structures of the Bachelor of Commerce, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been completed.

Note: Students undertaking this double degree program may *not* complete both the Marketing major in the Bachelor of Commerce and the Advertising and Marketing major in the Bachelor of Communication and Media Studies.

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations and in-class tests and/or exams. Some subjects may have an additional practical component. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Major Study

Students must take one major from each degree program.

Majors in the Bachelor of Communication and Media Studies available in 2004

For details of the major studies please refer to the Bachelor of Communication and Media Studies (single degree entry). Majors are available in: Advertising and Marketing, Journalism, Media Technology Studies, Screen Studies.

Majors in the Bachelor of Commerce available in 2004

The requirements for all Commerce majors are listed under the Bachelor of Commerce within the Faculty of Commerce.

Students enrolled in the double degree program should consult both faculties about their choice of major studies.

Honours

A Bachelor of Commerce (Honours) degree requires additional study (one year full-time, or two years part-time) and may be undertaken by students who meet the requirements for enrolment in Honours. Students considering Honours should consult an academic adviser before choosing 300 level subjects. Students should consult the single degree Bachelor of commerce entries for Honours requirements.

A Bachelor of Communication and Media Studies (Honours) degree will be proposed by the Faculty of Arts in 2004 to begin in 2005.

Bachelor Of Communication and Media Studies / Bachelor of Science

Testamur Title:	Bachelor of Communication and Media Studies/ Bachelor of Science
Abbreviation:	BCM, BSc
Home Faculty:	Faculty of Arts
Duration:	4.5 years full-time of part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Standard Course Fee:	HECS (local); $8,900 AUD per session (international)
Location:	Wollongong
UOW Course Code:	797
UAC Code:	751353
CRICOS Code:	TBA

Overview

In Science where students take extensive studies in discipline areas, the BCM adds an opportunity to broaden the focus, to acquire skills outside the main areas of the degree and thereby increase its marketability. The core of the BCM deals with contemporary issues in politics, communication studies and media, giving students a broad grounding in which to situate their major study. The Media Technology Studies major complements the Science degree well, allowing students to examine the rise of the media industry and critique the controversies marking the growth of media technology.

Course Requirements

To qualify for the award of the Bachelor of Communication and Media Studies/Bachelor of Science, a candidate must:

- complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major studies in that degree;
- at least 90 credit points of subjects from the Course Structures of the Faculty of Science (including a minimum of 60 credit points) for a Science major;
- complete not more than 90 credit points at 100-level;
- where necessary, undertake elective subjects from the Course Structures of the Bachelor of Science, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been completed

Assessment

Assessment in this course varies between subjects and programs, but typically includes a combination of essays, tutorial/seminar presentations, practicals, labs in-class tests and/or exams. The assessment requirements of each subject are set out in the individual subject outlines which students receive in the first week of session.

Major Study

Students must take one major from each degree program.

Majors in the Bachelor of Communication and Media Studies available in 2004: For details of the major studies please refer to the Bachelor of Communication and Media Studies (single degree entry). Majors are available in: Advertising and Marketing, Journalism, Media Technology Studies, Screen Studies.

Majors in the Bachelor of Science available in 2004: The requirements for all Science majors are listed under the Bachelor of Science within the Faculty of Science or, for Population Health and Psychology, in the Bachelor of Science in the Faculty of Health and Behavioural Sciences.

Students enrolled in the double degree program should consult both faculties about their choice of major studies.

Honours

A Bachelor of Science (Honours) degree requires additional study (one year full-time, or two years part-time) and may be undertaken by students who meet the requirements for enrolment in Honours. Students considering Honours should consult an academic adviser before choosing 300 level subjects. Students should consult the single degree Bachelor of Science entries for Honours requirements.

A Bachelor of Communication and Media Studies (Honours) degree will be proposed by the Faculty of Arts in 2004 to begin in 2005.

Faculty of Commerce

Member Units

School of Accounting and Finance
School of Economics and Information Systems
School of Management, Marketing and Employment Relations
Graduate School of Business and Professional Development

Degrees Offered

Single Degrees

Bachelor of Business Administration
Bachelor of Business Administration (Accountancy)
Bachelor of Business Administration (Hospitality)
Bachelor of Commerce
Bachelor of Commerce (Honours)
Bachelor of Mathematics and Finance
Bachelor of Mathematics and Economics

Double Degrees

Bachelor of Arts-Bachelor of Commerce
Bachelor of Communication and Media Studies – Bachelor of Commerce
Bachelor of Creative Arts - Bachelor of Commerce
Bachelor of Engineering - Bachelor of Commerce
Bachelor of Laws - Bachelor of Commerce
Bachelor of Science (Faculty of Science) - Bachelor of Commerce
Bachelor of Science (Faculty of Health and Behavioural Sciences) - Bachelor of Commerce
Bachelor of Psychology - Bachelor of Commerce

Bachelor of Business Administration

Testamur Title of Degree:	Bachelor of Business Administration
Abbreviation:	BBA
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face to Face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong, Shoalhaven, Bateman's Bay, Bega, Moss Vale, Hong Kong, Singapore, Dubai
UOW Course Code:	783
UAC Code:	753602 - 6
CRICOS Code:	039557G

Overview

A generalist degree designed to provide students with a broad educational base in business as preparation for a variety of positions in corporations, small businesses and the public sector. Students are exposed to a series of foundation subjects that provide a solid basis for developing a higher-level understanding of all the principal areas of business including: accountancy, finance, information systems, marketing and management. It is not suitable for students who wish to major in a specialised area of Commerce.

Entry Requirements / Assumed Knowledge

Assumed knowledge: any two units of English
Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year. Entry for 2003 was UAI 80.
Entry is also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

1. A maximum of 72 credit points of 100-level subjects can be undertaken as part of the Bachelor of Business Administration Degree.
2. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration, does not satisfy degree requirements.

Course Program

Number	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
BUSS110	Introduction to Business Information Systems	Autumn	6
COMM100	Employment Relations	Spring	6
COMM121	Quantitative Methods I	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
ECON111	Introductory Microeconomics	Spring	6
LAW100	Law in Society	Autumn	6
MGMT110	Introduction to Management & Employment Relations	Autumn	6
MARK101	Marketing Principles	Spring	6
ACCY211	Management Accounting II	Autumn	6
FIN221	Business Finance I	Autumn	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Autumn	6
MARK344	Marketing Strategy	Spring	6
MGMT314	Strategic Management	Autumn	6

Plus one of each of the following pairs of subjects.
(Note that only one subject from each pair will be offered at some locations).

BUSS211	Requirements Determinations and Systems Analysis	Autumn	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
FIN226	Financial Institutions	Spring	6
FIN227	Finance in Small Business	Spring	6
MGMT201	Organisational Behaviour	Autumn	6
MGMT206	Managing Human Resources	Spring	6
BUSS308	Computer Systems Management	Spring	6
ECON309	Environmental Economics	Autumn	6
MGMT348	Employers and Industrial Relations	Spring	6
MGMT389	International Business Management	Autumn	6

Plus 18 credit points of electives of which only 12 credit points may be from 100-level subjects.

Dean's Scholars

This degree provides an enriched educational experience for high achieving students that will encourage them to continue their studies through to the completion of honours and research degrees. There will be a quota (combined with the BCom) of 15 students admitted each year. Entry will be by application and interview for candidates with a minimum UAI of 93 or equivalent.

Dean's Scholars will complete all requirements for their respective degrees and may be permitted to take accelerated programs after their first session. They will receive one to one academic mentoring and have special opportunities to attend workshops and seminars and obtain paid work experience relevant to their proposed careers. Current Commerce students can apply for a course transfer to this program after completion of a minimum of 48 credit points at the University of Wollongong.

Other Information

Additional information can be obtained by contacting commerce@uow.edu.au.

Bachelor of Business Administration (Accountancy)

Testamur Title of Degree:	Bachelor of Administration (Accountancy)
Abbreviation:	BBA (Accy)
Home Faculty:	Commerce
Duration:	3 years or part time equivalent
Total Credit Points:	144
Delivery Mode:	Face to Face
Location:	Dubai
UOW Course Code:	DB783
CRICOS Code:	Not applicable

Course Requirements

1. To qualify for the award of Bachelor of Business Administration (Accountancy) a candidate shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects listed in the program of study.
2. A maximum of 72 credit points of 100-level subjects can be undertaken as part of the Bachelor of Business Administration (Accountancy) Degree
3. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration (Accountancy), does not satisfy the degree requirements.

The Bachelor of Business Administration (Accountancy) is currently offered at the Dubai Campus. Please refer to the School of Accounting and Finance for subject listing.

Bachelor of Business Administration (Hospitality)

Testamur Title of Degree:	Bachelor of Business Administration (Hospitality)
Abbreviation:	BBA (Hosp)
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Day/evening
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong, Shoalhaven, Loftus
UOW Course Code:	783
UAC Code:	753910 Wollongong; 753911 Shoalhaven
CRICOS Code:	042546G

Overview

The BBA (Hospitality) is jointly delivered by the University of Wollongong and Illawarra Institute of TAFE. Upon completion, students receive a BBA degree from the University of Wollongong and a Diploma in Hospitality from TAFE. The program offers broad and comprehensive preparation for students wishing to pursue a management career in the hospitality industry.

Entry Requirements / Assumed Knowledge

Students need to be 18 years of age by 1 April in their first year of TAFE enrolment. Assumed knowledge is any two units of English. Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year. Entry for 2003 was UAI 80.
Entry is also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

This course is offered in conjunction and concurrently with the TAFE Diploma in Hospitality Management. The Hospitality Management component will be delivered by TAFE and result in the award of a Diploma in Hospitality Management.

1. To qualify for the award of Bachelor of Business Administration (Hospitality) a candidate shall accrue an aggregate of at least 144 credit points by satisfactory completion of subjects listed in the program of study.
2. A maximum of 72 credit points of 100-level subjects can be undertaken as part of the Bachelor of Business Administration (Hospitality) Degree.
3. Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject within the program of study for the Bachelor of Business Administration (Hospitality), does not satisfy the degree requirements.
4. Cross articulation may occur between the TAFE Diploma in Hospitality Management and the University of Wollongong Bachelor of Business Administration (Hospitality) provided these courses are completed concurrently.
5. Should the Diploma in Hospitality Management be completed prior to enrolling in the BBA the standard articulation agreement will apply.
6. All admission applications must be completed on an Undergraduate Course Application Form.

Course Program

Number	Subject	Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
COMM121	Quantitative Methods I	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
ECON111	Introductory Microeconomics	Spring	6
ACCY211	Management Accounting II	Autumn	6
FIN221	Business Finance I	Autumn	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Autumn	6
MARK344	Marketing Strategy	Spring	6
MGMT314	Strategic Management	Autumn	6

Plus one of each of the following pairs of subjects.
Note that only one subject from each pair will be offered at some locations.

BUSS211	Requirements Determinations and Systems Analysis	Autumn	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
FIN226	Financial Institutions	Spring	6
FIN227	Finance in Small Business	Spring	6
BUSS308	Computer Systems Management	Spring	6
ECON309	Environmental Economics	Autumn	6
MGMT348	Employers and Industrial Relations	Spring	6
MGMT389	International Business Management	Autumn	6

Plus those subjects for which credit is granted for the TAFE Diploma in Hospitality Management.

Other Information

For additional information contact commerce@uow.edu.au

Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Commerce
Abbreviation:	BCom
Home Faculty:	Commerce
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong, Bateman's Bay, Bega, Moss Vale, Shoalhaven, Dubai
UOW Course Code:	710
UAC Code:	753602- Wollongong 753603- Shoalhaven 753604- Bateman's Bay 753605- Bega 753606- Moss Vale
CRICOS Code:	027464A

Overview

This degree is designed for students who would like to major in one or more of the principle areas of business and commerce. It is a suitable preparation for students who would like to become professionals in a particular discipline or want to pursue a general career in business. The degree consists of two components a core and a major(s). The core includes an integrating subject that is designed to bring students studying different majors together to examine a contemporary topic. The aim is to provide a foundation for the understanding of the business and commercial environment.

Entry Requirements / Assumed Knowledge

Assumed knowledge – any two units of English

Entry is open to students who have gained a UAI or equivalent at a level determined by UOW for this calendar year. Entry for 2003 was UAI 80.
Entry is also accepted from students who have successfully completed a recognised TAFE qualification or course of study from an accredited institution.

Advanced Standing

The Faculty offers advanced standing (credit exemption) to students who have successfully completed relevant courses at accredited universities and colleges. Refer to: http://www.uow.edu.au/handbook/courserules/ advancedstanding.html

Course Requirements

(1) To qualify for award of the degree of Bachelor of Commerce a candidate shall accrue an aggregate of at least 144 credit points, including a major study, by satisfactory completion of subjects listed in the General Schedule.
(2) Students must complete and pass all core subjects plus one of the approved BCom degree majors, double majors or a major and a minor.

(3) A maximum of 72 credit points of 100-level subjects can be undertaken as part of the Bachelor of Commerce Degree.

(4) Students should note that a Pass Conceded, Pass Terminating or Pass Restricted grade at 300-level in any required subject for the selected major area does not satisfy degree requirements. A student wishing to graduate with a double major must obtain clear passes in both majors at 300-level to satisfy requirements

(5) Each major in the BCom requires 48 credit points and each minor requires 24 credit points as specified in the relevant schedules. The following rules apply:

a. Students must complete at least one major but may complete two if they wish. A single subject may count towards two different majors. However, such double counting can apply to only one, 6 credit point subject. Thus completing a second major will require completion of an additional 42 to 48 specified credit points. Where two or more subjects are common to two majors, the relevant Head of School will designate a replacement subject(s).

b. Students may complete one or two of the designated minors but the completion of a minor is not a degree requirement. A minor cannot be completed in the same discipline as the major; for example an Accountancy Major with an Accountancy Minor. A single subject may not count towards a major and minor or towards two minors; double counting is not permitted when completing a minor. Thus completing each minor will require an additional 24 specified credit points. Where one (or more) subject(s) is common to a major and a minor or to two different minors, the relevant Head of School will designate a replacement subject(s).

Commerce Core

Code	Subject Name	Session	Credit
ACCY100	Accounting IA	Autumn/Spring	6
ACCY102	Accounting IB	Spring	6
BUSS110	Introduction to Business Information Systems	Autumn	6
COMM121	Quantitative Methods I	Autumn/Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/Spring	6
ECON111	Introductory Microeconomics	Autumn/Spring	6
MARK101	Marketing Principles	Autumn/Spring	6
MGMT110	Introduction to Management & Employment Relations	Autumn/Spring	6

Plus at least one Integrating subject selected from:

Code	Subject Name	Session	Credit
COMM303	Development of Modern Business	NA 2004	6
COMM351	Business Ethics and Governance	NA 2004	6
COMM327	Business Innovation, Technology and Policy	Autumn/Spring	6
COMM328	Contemporary Issues in Commerce	NA 2004	6

Total Credit Points in Core = 54

Accountancy students may substitute STAT131 Statistics I: Modelling Variation and Uncertainty for COMM121 Quantitative Methods I. Note that entry to this subject depends on HSC or equivalent performance (see General Schedule, Faculty of Informatics, School of Mathematics and Applied Statistics, for details).

Major Study Areas:

Students taking a major in a degree offered by a Faculty other than the Faculty of Commerce are not required to complete the core subjects in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the major. All students must satisfy subject prerequisites except where waivers have been granted.

Accountancy

Whether they work in a large multinational corporation, a government agency or a small company, accountants play a pivotal role in advising senior management on the financial direction of the enterprise.

Professional Recognition

On completion of a Bachelor of Commerce (Accountancy) degree you will have gained the necessary skills and qualifications to work as an accountant. Careful selection of subjects will ensure you can join one of the major professional accounting bodies. The accounting bodies have student associations which you can join while you are studying at the University of Wollongong.

The Australian professional organisations are:

- CPA Australia
- The Institute of Chartered Accountants in Australia
- The Institute of Chartered Secretaries and Administrators

Subjects required for major study

Code	Subjects Name	Session	Credit Points
ACCY201	Financial Accounting IIB	Spring	6
ACCY202	Financial Accounting IIA	Autumn	6
ACCY211	Management Accounting II	Autumn	6
FIN221	Business Finance I	Autumn	6
ACCY302	Financial Accounting III	Autumn	12
ACCY312	Management Accounting III	Spring	6
ACCY342	Advanced Auditing	Spring	6

Additional specified subjects (30 credit points) required for professional accreditation; ACCY231, LAW100, LAW210, LAW302 and LAW315. The last four subjects constitute a minor in Business Law.

Applied Finance (Planning)

Financial planners must have an understanding not only of finance but also of accounting, management and marketing. They need to be able to utilise information systems to track clients' portfolios and keep up-to-date on investment information. Financial advisors work independently and for large concerns. They may be employees or be self-employed. They provide counselling services to individuals or to corporations about how to best plan for future financial needs. This major builds the skill set needed for recognition by the Australian Securities and Investments Commission, allowing finance graduates who choose this major to work as financial dealers, for stock brokers, in banks, life insurance companies or credit unions, or as independent funds managers.

Professional Recognition

On completion of a Bachelor of Commerce (Applied Finance (Planning)), you will have gained the necessary skills and qualifications to work as a financial planner offering services to a broad clientele. This degree has been designed to meet the requirements of the Australian Securities and Investments Commission (ASIC) and is accredited with the Financial Planning Association (FPA).

Subjects required for major study

Code	Subject	Session	Credit Points
ACCY228	Tax Planning	Spring	6
FIN221	Business Finance I	Autumn	6
FIN251	Introduction to Financial Planning	Autumn	6
FIN327	Risk & Insurance	Spring	6
FIN328	Retirement & Estate Planning	Spring	6
FIN329	Real Estate Planning	Autumn	6
FIN324	Financial Statement Analysis	Autumn	6
MGMT215	Small Business Management	Autumn	6

Additional specified subjects (30 credit points) required for professional accreditation: FIN223, FIN226, FIN323, LAW100 and LAW210.

Other Information

Additional information is available from http://www.uow.edu.au/ or email: accfin@uow.edu.au

Business Information Systems

This course is designed for those who wish to enter a career as a professional systems analyst or as an information systems specialist in a business environment. Students who complete this major at the required standard may be accepted to proceed to the Bachelor of Commerce Honours year, which involves advanced study and a significant research report, or undertake the Master of Information Systems.

Professional Recognition

Students require all subjects from both strands (72 credit points) for accreditation by the Australian Computer Society (ACS). The major study has accreditation with the Australian Computer Society and the joint specialization with Accountancy has accreditation with the Australian Society of Certified Practicing Accountants.

Subjects required for major study

Code	Subject	Session	Credit Points
BUSS111	Business Programming I	Spring	6
BUSS212	Database Management Systems	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS318	Information Systems Project	Spring	6

Plus 24 credit points selected from either: Systems Analysis and Design Strand:

BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS218	Systems Design and Architecture	Spring	6
BUSS308	Computer Systems Management	Spring	6
BUSS316	Information Systems Prototyping	Autumn	6

Or Information Systems Development Strand:

BUSS214	Business Programming II	Autumn	6
BUSS215	Business Programming III	Spring	6
BUSS312	Distributed Information Systems	Autumn	6
BUSS317	Business Programming IV	Spring	6

*Students require all subjects from both strands (72 credit points) for accreditation by the Australian Computer Society (ACS).

Business Law

The Business Law major provides graduates with the skills and knowledge base that are critical to successfully understanding the context, application and impact of law on the structures and transactions of business. After completing the foundation law subjects, students are able to choose from a large range of specialist subjects. The Business Law major may be taken separately or in conjunction with any other major in the Commerce Schedule and complements other discipline studies, providing a legal framework perspective on the institutions and structures of those disciplines.

Students considering transferring to the double degree Bachelor of Commerce-Bachelor of Law should seek academic advice before enrolling in any subject in this major.

Subjects required for major study:

Code	Subject	Session	Credit Points
LAW100	Law in Society	Autumn	6
LAW210	Contract Law	Spring	6
Plus 36 credit points selected from:			
LAW302	Law of Business Organisations	Autumn	6
LAW315	Taxation Law	Spring	6
LAW316	Occupational Health and Safety Law	Autumn	6
LAW317	E-Commerce Law*	Spring	6
LAW330	Law of Employment	Autumn	6
LAW331	Intellectual Property Law	Autumn	6
LAW332	Labour Relations Law	Spring	6
LAW335	Anti-Discrimination Law	Spring	6
LAW348	Media Law	Spring	6
LAW352	Advanced Taxation Law*	Autumn	6
LAW360	Foreign Investment Law in the People's Republic of China	Summer	6

* Not on offer in 2004

Economics

Economics is the study of the economy at the micro and macro levels. Areas of interest to economists include the behaviour of consumers and business firms, the labour market, health care, the environment, technology and innovation, economic growth and development, monetary and fiscal policy, international trade and finance, and the global economy.

Students taking an Economics major will study the theory, policies, practices and institutions of national economies and the international economy. They will learn tools of analysis that can be applied to a wide range of economic issues.

Subjects required for major study

Code	Subjects	Session	Credit Points
ECON205	Macroeconomic Theory and Policy	Autumn/ Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/ Spring	6
ECON222	Quantitative Methods II	Autumn/ Spring	6
ECON305	Economic Policy	Spring	6
ECON316	History of Economic Thought	Autumn	6

Plus 18 credit points, 12 of which must be from 300-level Economics subjects and the other 6 from 200- or 300-level Economics subjects.

Finance

Finance is about money and investments. People on their own and in partnerships, companies and other entities, including state and federal governments, have a common objective of profitable investment. How do companies choose between possible investments, and how do they raise capital? How does hedging with options and futures reduce risk of an investment portfolio? What is the role of capital markets, and how do they value assets such as stocks, options and futures? These are the questions answered within the theory and practice of finance.

Preparatory Studies

Mathematics, economics, statistics and accounting are all important foundations of finance and those who are good at mathematics are often also good at finance. However, not all finance is mathematical, and many people who work successfully in the field are not highly trained or proficient in mathematics.

Subjects required for major study

Code	Subjects	Session	Credit Points
ACCY202	Financial Accounting IIA	Autumn	6
FIN221	Business Finance I	Autumn	6
FIN223	Investments I	Spring	6
FIN322	Business Finance II	Spring	6
FIN323	Investments II	Autumn	6
FIN324	Financial Statement Analysis	Autumn	6

Plus at least one of the following:

Code	Subjects	Session	Credit Points
FIN226	Financial Institutions	Spring	6
FIN227	Finance In Small Business	Spring	6

Plus at least one of the following:

Code	Subjects	Session	Credit Points
FIN325	Banking Practice	Autumn	6
FIN320	Risk and Insurance	Spring	6
FIN351	International Business Finance	Spring	6
FIN352	Critical Perspectives in Finance	Spring	6
ECON331	Financial Economics	Spring	6

Human Resource Management

People are an organisation's most valuable resource. Demand is growing for specialists in the field of human resource management (HRM). In this major you will gain a thorough understanding of the field and the concepts, techniques and activities involved in managing the flow of people through organisations. Specific focus is placed on the acquisition, facilitation and development of staff, positively influencing their employment performance, and monitoring and managing the processes of staff retention and turnover.

This major also looks at the broad aspects of human resource management such as recruitment and selection, performance appraisal, job analysis and design, training and development, employee compensation, staff turnover, HRM and the law, industrial relations, equal employment opportunities, affirmative action, and international human resources management.

Subjects required for major study

Code	Subjects	Session	Credit Points
MGMT201	Organisational Behaviour	Autumn	6
MGMT205	Recruitment and Selection	Spring	6
MGMT206	Managing Human Resources	Autumn	6
MGMT220	Organisational Studies	Autumn	6
MGMT311	Management of Change	Spring	6
MGMT314	Strategic Management	Autumn	6
MGMT321	Occupational Health & Safety Management	Spring	6
MGMT322	Training and Development	Autumn	6

International Business

The International Business major gives you an awareness and understanding of business in other cultures and regions. It prepares you to respond to the intricacies of international business (including the impact of differing cultures and languages, issues posed by differing markets, and differing government regulations) within this rapidly growing environment.

You will gain an understanding of leadership, strategy, cultural diversity, communications and decision-making as they relate to contemporary international business issues, including financial management, employment relations, industry and trade in South-East Asia, international marketing and management, and business in Europe.

As the world is becoming 'smaller' with regards to advances in technology, employers are seeking graduates with international business skills.

Subjects required for major study

Code	Subjects	Session	Credit Points
ECON216	International Trade Theory & Policy	Spring	6
ECON251	Industry and Trade in East Asia	Spring	6
FIN241	International Financial Management	Autumn	6
MGMT301	Managing Across Cultures	Autumn	6
MGMT314	Strategic Management	Autumn	6
MGMT341	International & Comparative Employment Relations	Spring	6
MARK343	International Marketing	Spring	6
MGMT389	International Business Management	Autumn	6

Logistics

Logistics is the concept of moving and handling goods and materials, from the beginning to the end of the production of sales process. It includes associated reverse flows such as produce and equipment returns, and recycling. It involves the management of activities including transport, storage, packaging, procurement, and inventory management.

The Logistics major combines many subject areas to develop a theoretical and practical understanding of the complexities of the activities of logistics. This major develops skills in strategic management, inventory planning, supply chain integration, transportation, distribution and warehousing. Emphasis is focussed on the ability to analyse budget aspects and the resources of logistics.

Subjects required for major study

Code	Subjects	Session	Credit Points
ECON230	Quantitative Analysis for Decision Making	Spring	6
ECON332	Managerial Economics and Operations Research	Spring	6
MGMT200	Management and Electronic Business	Spring	6
MGMT255	Inventory Management	Autumn	6
MGMT309	Supply Chain Management	Spring	6
MGMT316	Operations Management	Spring	6
MGMT328	Transport Logistics Management	Autumn	6
MGMT332	Enterprise and Innovation	Spring	6

Management

Management is the art and science of planning, coordinating and leading group efforts. It is the mobilising of human and material resources to achieve organisational goals. Managerial skills include the ability to make sound judgements on all issues that arise at work and to achieve objectives through organisational skills.

The management major combines many subject areas to develop theoretical and practical understanding of the complexities of management. This major develops skills in decision making, conflict resolution, administration and communication.

Subjects required for major study

Code	Subjects	Session	Credit Points
MGMT102	Business Communications	Spring	6
MGMT201	Organisational Behaviour	Autumn	6
MGMT206	Managing Human Resources	Autumn	6
MGMT220	Organisational Studies	Autumn	6
MGMT311	Management of Change	Spring	6
MGMT314	Strategic Management	Autumn	6
MGMT316	Operations Management	Spring	6
MGMT350	Quality Management	Spring	6

Marketing

A marketing major provides the skills to generate products and services for which there is a defined customer need and to position the product or service in the market with effective promotion, pricing and distribution strategies.

The Marketing major is geared toward problem-solving and management decision-making. Emphasis is given to how to analyse, plan, organise, motivate and control the marketing process. Communication skills and creative thinking are essential to successful marketing.

This major has a variety of subjects covering a range of topics in marketing including consumer behaviour, services marketing, marketing research and international marketing.
There is opportunity to join several business-related student groups on campus such as the Marketing Society.

Professional Recognition

The Marketing major is accredited by the Australian Marketing Institute (AMI).

Subjects required for major study

Code	Subjects	Session	Credit Points
MARK217	Consumer Behaviour	Autumn	6
MARK239	Information for Marketing Decisions	Spring	6
MARK270	Services Marketing	Autumn	6
MARK301	Marketing on the Internet	Spring	6
MARK319	Applied Marketing Research	Autumn	6
MARK333	Advertising and Promotions Strategy	Spring	6
MARK343	International Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6

Minor Study Areas:

Students taking a minor in a degree offered by a Faculty other than the Faculty of Commerce are not required to complete the core subjects in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the minor. All students must satisfy subject prerequisites except where waivers have been granted.

Accountancy

24 credit points selected from 200 and 300 level ACCY subjects.

Business Information Systems

BUSS111	Business Programming I	Spring	6
Plus for the strand in Analysis and Design			
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS218	Systems Design and Architecture	Spring	6
BUSS316	Information Systems Prototyping	Autumn	6
OR for the strand in Data Management			
BUSS212	Database Management Systems	Spring	6
BUSS308	Computer Systems Management	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
OR for the strand in Systems Development			
BUSS214	Business Programming II	Autumn	6
BUSS215	Business Programming III	Spring	6
BUSS317	Business Programming IV	Spring	6

Business Law

LAW100	Law in Society	Autumn	6
LAW210	Contract Law	Spring	6
Plus 12 credit points selected from:			
LAW302	Law of Business Organisations	Autumn	6
LAW315	Taxation Law	Spring	6
LAW316	Occupational Health and Safety Law	Autumn	6
LAW317	E-Commerce Law*	Spring	6
LAW330	Law of Employment	Autumn	6

LAW331	Intellectual Property Law	Autumn	6
LAW332	Labour Relations Law	Spring	6
LAW335	Anti-Discrimination Law	Spring	6
LAW348	Media Law	Spring	6
LAW352	Advanced Taxation Law*	Autumn	6
LAW360	Foreign Investment Law in the People's Republic of China	Summer	6

* Not on offer in 2004

Economics

Code	Subjects	Session	Credit Points
ECON205	Macroeconomic Theory and Policy	Autumn/ Spring	6
Or			
ECON215	Microeconomic Theory and Policy	Autumn/ Spring	6

Plus 18 credit points, 12cp of which must be from 300-level Economics subjects and the other 6cp from one 200- or 300-level Economics subject.

Electronic Commerce

24 credit points selected from:

Code	Subjects	Session	Credit Points
ECON319	Electronic Commerce and Economics of Business	Autumn	6
FIN353	Global Electronic Finance	Autumn	6
MGMT301	Marketing on the Internet	Spring	6
MGMT200	Management and Electronic Commerce	Spring	6
MGMT300	Innovation and E-commerce	Spring	6

Finance

Code	Subject	Session	Credit Points
FIN221	Business Finance I	Autumn	6

Plus 18 credit points selected from 200 & 300 level FIN subjects

Human Resource Management

24 credit points selected from:

Code	Subjects	Session	Credit Points
MGMT201	Organisational Behaviour	Autumn	6
MGMT205	Recruitment and Selection	Spring	6
MGMT206	Managing Human Resources	Autumn	6
MGMT220	Organisational Studies	Autumn	6
MGMT311	Management of Change	Spring	6
MGMT314	Strategic Management	Autumn	6
MGMT321	Occupational Health & Safety Management	Spring	6
MGMT322	Training and Development	Autumn	6

Industrial Relations

Code	Subjects	Session	Credit Points
COMM100	Employment Relations	Autumn	6
MGMT240	Industrial relations B: Wage Determination	Spring	6
MGMT342	Special Topics: Industrial Relations	Autumn	6
MGMT352	Negotiation, Advocacy & Bargaining	Spring	6

International Business

Code	Subjects	Session	Credit Points
ECON216	International Trade Theory & Policy	Spring	6
FIN241	International Financial Management	Autumn	6
MGMT341	International & Comparative Employment Relations	Spring	6
Or			
MARK343	International Marketing	Spring	6
Plus			
MGMT389	International Business Management	Autumn	6

Logistics

Code	Subjects	Session	Credit Points
MGMT255	Inventory Management	Autumn	6
MGMT309	Supply Chain Management	Spring	6
MGMT316	Operations Management	Spring	6
MGMT328	Transport Logistics Management	Autumn	6

Management

MGMT102	Business Communications	Spring	6

Plus 18 credit points selected from 200 and 300 level MGMT subjects

Marketing

24 credit points from 200 and 300 level MARK subjects,

Bachelor of Commerce (Honours)

Testamur Title of Degree:	Bachelor of Commerce (Honours)
Abbreviation:	BCom (Honours)
Home Faculty:	Commerce
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	On Campus
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); $6,900 AUD per session (international)
Location:	Wollongong
UOW Course Code:	711
CRICOS Code:	001710F

Overview

An Honours degree is awarded for one additional year of study following the successful completion of a three-year degree with superior performance throughout the degree. To qualify for the award of Bachelor of Commerce (Honours) a candidate must satisfy Rules 106 &113 of the Bachelor Degree Rules.

Bachelor of Commerce (Honours) is available in the following areas:

Accountancy
Business Information Systems
Econometrics
Economics
Employment Relations
Finance
Human Resource Management
Industrial Relations
International Business
Management
Marketing
(Combined majors are also permitted)

Dean's Scholars

This degree provides an enriched educational experience for high achieving students that will encourage them to continue their studies through to the completion of honours and research degrees. There will be a quota (combined with the BBA) of 15 students admitted each year. Entry will be by application and interview for candidates with a minimum UAI of 93 or equivalent.

Dean's Scholars will complete all requirements for their respective degrees and may be permitted to take accelerated programs after their first session. They will receive one to one mentoring from an academic in their selected discipline and have special opportunities to attend workshops and seminars and obtain paid work experience relevant to their proposed careers. Current Commerce students can apply for a course transfer to this program after completion of a minimum of 48 credit points at the University of Wollongong.

Bachelor of Mathematics and Finance, Bachelor of Mathematics and Economics -

Refer to the Faculty of Informatics

Double Degrees with Bachelor of Commerce

Students may combine their Commerce studies with studies in a number of other Faculties and qualify for the award of two degrees. Double degrees aim to broaden a student's knowledge and skill base and improve career options in competitive, increasingly interactive fields. Students must seek advice and approval from both Faculties before enrolment.
For further information refer to the Policy Guidelines for Double Degrees at:
http://www.uow.edu.au/handbook/courserules/double_degree.html.

Students must seek advice and approval from both Faculties before enrolment.

Course Requirements

Candidates must satisfy the entry requirements of both the degree programs. Double degrees, where both degrees are normally of three years' duration will be a minimum of 216 credit points and take a minimum of four years to complete. Double degrees, where one of the degrees is normally of four years' duration will be a minimum of 264 credit points and take a minimum of five years to complete. Students may be given exemptions where equivalences exist between subjects.

For all double degrees, candidates are required to complete subjects from the Commerce Schedule, including core subjects and subjects to satisfy the requirements of one of the Commerce majors or a major/major, or major/minor combination. In addition to the Commerce requirements, candidates will need to complete one of the following:

Bachelor of Arts – Bachelor of Commerce: Students must:
i. complete at least 72 credit points, including a major study, for subjects listed in the Arts schedule, and including at least 36 credit points for subjects offered by member Units of the Faculty of Arts;
ii. not more than 96 credit points for 100-level subjects may be undertaken for both degrees;
iii. the Arts major study and the Commerce major are to be chosen from two different disciplines.

Bachelor of Communication and Media Studies – Bachelor of Commerce
Students must:
i) complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major studies in that degree;
ii) complete subjects from the Commerce Schedule, including core subjects, and subjects to satisfy the requirements of one of the Commerce majors.
iii) complete not more than 90 credit points at 100-level;
iv) where necessary, undertake elective subjects from the Course Structures of the Bachelor of Commerce, the Bachelor of Communication and Media Studies, or the General Schedule to ensure that at least 216 credit points have been completed.

Note: Students undertaking this double degree program may not complete both the Marketing major in the Bachelor of Commerce and the Advertising and Marketing major in the Bachelor of Communication and Media Studies.

Bachelor of Creative Arts – Bachelor of Commerce: Students must:
i. complete a major study for the Bachelor of Creative Arts comprising 108 credit points of compulsory subjects as listed in the Creative Arts Schedule;
ii. undertake, where necessary, elective subjects to ensure a total of 216 credit points have been completed.

Bachelor of Engineering – Bachelor of Commerce: Students must complete a minimum of 264 credit points as follows:
i. a total of at least 174 credit points of engineering subjects made up of the Engineering core or compulsory subjects and one of the engineering majors. The minimum of 174 credit points will be exceeded by some engineering program requirements;
ii. where required, at least 12 weeks of approved professional engineering experience during the course. Exemptions may be given to part-time candidates who are in approved full-time engineering employment.

Bachelor of Laws – Bachelor of Commerce: Students must complete, satisfactorily and independently, each of (a), (b) and (c) as follows:
a) all compulsory Law subjects;
b) elective subjects to the value of 56 credit points from the LLB Schedule; to be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
c) subjects selected from the General Schedule, including the satisfactory completion of:
i) compulsory subjects;
ii) an approved Commerce major except for a Business Law major; and
iii) subjects with a value of at least 90 credit points, consisting of (i) and (ii) and excluding subjects listed in (a) and (b), except,
iv) where the subjects in (i) and (ii) have the prefix LAW, the equivalent LLB subjects must be substituted.

Bachelor of Science (Faculty of Science) – Bachelor of Commerce: Students must complete 90 credit points of subjects from the Science Schedule, including a Science major study. Any extra credit points required to achieve a double degree total of 216 credit points, additional to the Commerce and Science Requirements specified above, may be selected from the Commerce, Science or General Schedule.

Bachelor of Science (Faculty of Health and Behavioural Science) – Bachelor of Commerce: Students will be required to complete subjects from the Health and Behavioural Sciences Schedule approved by the Faculty of Health and Behavioural Sciences. Any additional subjects needed to complete a minimum of 216 credit points should be selected from the Health and Behavioural Sciences Schedule, the Commerce Schedule or the Science Schedule.

Bachelor of Psychology – Bachelor of Commerce: Students must complete a total of 264 credit points. This double degree fulfils the requirements needed to become a registered psychologist.

For the Bachelor of Psychology, students will be required to complete

i. the 150 credit points of psychology subject requirements for the Bachelor of Psychology.
ii. Any additional subjects needed to complete the required 264 credit points should be selected from either the Health and Behavioural Sciences Schedule or the Commerce Schedule.

Faculty of Creative Arts

Member Units

School of Journalism and Creative Writing

Journalism

Creative Writing

School of Music and Drama

Performance (Music and Theatre)

Sound – Composition and Production

School of Art and Design

Visual Arts

Graphic Design and New Media

Degrees Offered

Single Degrees

Bachelor of Creative Arts

Bachelor of Creative Arts (Honours)

Double Degrees

Bachelor of Creative Arts - Bachelor of Communication and Media Studies

Bachelor of Creative Arts – Bachelor of Arts

Bachelor of Creative Arts - Bachelor of Commerce

Bachelor of Creative Arts - Bachelor of Science

Bachelor of Creative Arts - Bachelor of Computer Science

Bachelor of Creative Arts - Bachelor of Laws

Bachelor of Creative Arts

Testamur Title of Degree:	Bachelor of Creative Arts
Abbreviation:	BCA
Home Faculty:	Faculty of Creative Arts
Duration:	3 years full-time of part-time equivalent
Total Credit Points:	144
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $6,750 per session
Location:	Wollongong
UOW Course Code:	840
UAC Codes:	Specified below for each major
CRICOS Code:	-

Overview

The Bachelor of Creative Arts is a three year full time course made up of a combination of theory and practical work in a major study area.

Entry Requirements

Applicants need to meet the artistic requirements determined by an interview or audition. Applicants must be prepared to demonstrate their ability (in both theory and artistic practice) to meet the criteria for a proposed major. No applications (whether made via the UAC or directly to UOW) will be considered unless the student has completed and submitted a Creative Arts application for Interview/ Audition by Friday 30 September 2004. A late application fee of $50 will apply for applications submitted after the closing date. Portfolio and/or audition requirements are specified below for each major.

International applications may be submitted anytime throughout the year, for commencement in the next academic year.

Advanced Standing

Advanced standing arrangements for the Bachelor of Creative Arts are currently under review. Students seeking advanced standing are advised to contact the Faculty of Creative Arts office for further details.

Course Requirements

The BCA degree requires 3 years of full-time study or part-time equivalent and the completion of subjects to the value of 144 credit points.

Students enrolling in the BCA are required to complete either:

1. a) 108 credit points of core subjects in the major (36 credit points each at 100, 200 and 300 level); and
   b) 36 credit points of elective subjects of which no more than 18 credit points may be taken at 100 level.

   OR

2. 144 credit points of core subjects in the Visual Arts and Graphic Design major.

A limited range of electives is offered by the Faculty of Creative Arts. However, students are encouraged to take advantage of the full range of subjects available within the University. The core subjects focus on practice in conjunction with a study in the history and theory of the discipline.

Honours

A fourth year is available at Honours level for outstanding students.

Major Study Areas

Creative Writing

UAC Code: 754601

A major in Creative Writing offers both a practical and theoretical understanding of writing practice. In year one, following an introductory subject on writing fundamentals, students specialise in one or more of the following areas:

- poetry
- prose fiction, and
- scripting for either film, television or theatre.

In year two, additional subjects are offered in:

- arts journalism
- editing
- hypertexts
- writing for performance, and
- scripting/scoring sound texts.

Year three subjects are geared towards:

- refinement of writing technique, and
- aspects of style.

Third year subjects allow for the development of larger-scale writing projects. Throughout the degree, students are involved in the critical examination of poetics and writing theory. In general, class activities are based around a combination of lectures, intensive workshops, writing exercises, group discussions and individual student presentations. The degree regularly makes use of various artist and writer-in-residence schemes. Students are encouraged to participate in public readings and performance of their work, as well as the active pursuit of publication.

Specific Entry Requirements

It is expected that applicants for a major study in Creative Writing will have developed a body of work in either prose fiction (short story or novel), poetry or some form of dramatic writing, and be able to demonstrate an ongoing and independent commitment to writing.

Major Study Program

Code	Subject	Session	Credit Points
100-Level			
WRIT111	Writing Overview	Autumn	6
And any 3 of the following			
WRIT121	Writing for Stage and Screen	Autumn	6
WRIT122	Writing Prose Fiction 100	Spring	6
WRIT123	Poetry 100: Introduction to Writing Poetry	Spring	6
ENGL---	Any 100 level English subject		6
Plus			
WRIT119	Theory for Practising Writers: Classicism to the Gothic	Autumn	6
WRIT129	Theory for Practising Writers	Spring	6
200-Level - *Any 4 of the following*			
WRIT210	Writing for the Internet	Autumn/Spring	6
WRIT211	Writing/Performing	Autumn	6
WRIT212	Writing Prose Fiction 200	Autumn	6
WRIT213	Poetry 200: Poetic Forms	Spring	6
WRIT214	Writing for Theatre 200	Autumn	6
WRIT215	Writing for Film and Television 200	Autumn	6
WRIT216	Editing Practice for Creative Writers	Spring	6
WRIT222	Writing Extended Prose Fiction	Spring	6
WRIT228	Writing for Sound 200	Autumn	6
Plus			
WRIT219	Writing theory: Modernism	Autumn	6
WRIT229	Writing Theory: Modernist Avant-Gardes	Spring	6

300-Level - *Any 4 of the following*			
WRIT312	Advanced Prose Fiction A	Autumn	6
WRIT313	Advanced Poetry A	Autumn/Spring	6
WRIT314	Writing for Theatre 300	Spring	6
WRIT315	Writing for Film and Television 300	Autumn	6
WRIT316	Editing 300	Autumn	6
WRIT317	Writing: The Author and the Media	Autumn	6
WRIT322	Advanced Prose Fiction B	Spring	6
WRIT323	Advanced Poetry B	Autumn/Spring	6
WRIT328	Writing for Sound 300 - Scoring and Production	Spring	6
Plus			
WRIT319	Writing theory: Structuralism to the Postmodern	Autumn	6
WRIT329	Contemporary Theory and the Practising Writer	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points should be at 100 level. Electives may be selected from the general schedule and might include CREA102 and CREA202, JOUR201, JOUR202, JOUR301 and JOUR302.

Performance (Music & Theatre)

UAC Code: 754603

The Performance major offers subjects progressively leading to a high level of achievement in on-stage performance. Students accepted into Performance are provided with studies in:

- vocal performance: singing and speech
- physical performance: movement and dance
- dramaturgy, history and theory
- text interpretation
- devised performance techniques through improvisation
- tuition in production skills for students showing aptitude in Performance Technology.

Seminars addressing all aspects of performance will provide students with the opportunity to perform for their peers and to work with visiting professional artists in masterclass and workshop situations. There are many opportunities for performance within the Faculty and the University.

In first year the focus is on The Ensemble. Students undertake core technique subjects that provide a broad appreciation of performance history and culture. Interpretative skills are developed with reference to standard repertoire. Improvisation techniques are also developed to allow students to devise/perform material. Students also develop an integrated appreciation of theatrical values and acquire literacy in skills that will encompass all aspects of production. The second year focuses on on-stage interaction and students continue technique classes and perform in limited-access performances. (Black Box projects are based on script work, music projects or devised workshops). Students are encouraged to engage in key creative production roles for third year performances. Third year studies include Individualism in Performance. Students continue technique classes and perform to a wider audience at one of the theatres on campus or at performance venues off campus.

Specific Entry Requirements

For audition, applicants will be asked to learn and prepare: one monologue or a scene from materials supplied. This information will be sent to short-listed applicants by the first week in November. Applicants will be asked to present one song of their choice that best displays vocal range and ability. At the auditions, applicants will be assessed on their movement and improvisation abilities.

Major Study Program

Subjects		**Session**	**Credit Points**
100-level			
PERF102	Studio Practice A	Autumn	6
PERF103	Studio Practice B	Spring	6
PERF120	Performance Skills A	Autumn	6
PERF121	Performance Skills B	Spring	6
PERF116	Dramaturgy A	Autumn	6
PERF117	Dramaturgy B	Spring	6
200-level			
PERF202	Studio Practice C	Autumn	6
PERF203	Studio Practice D	Spring	6
PERF220	Performance Skills C	Autumn	6
PERF221	Performance Skills D	Spring	6
Plus 12 credit points of Theory			
PERF216	Dramaturgy C	Autumn	6
PERF217	Dramaturgy D	Spring	6

300-level			
PERF302	Studio Practice E	Autumn	6
PERF303	Studio Practice F	Spring	6
PERF320	Performance Skills E	Autumn	6
PERF321	Performance Skills F	Spring	6
Plus 12 credit points of Theory			
PERF316	Dramaturgy E	Autumn	6
PERF317	Dramaturgy F	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points should be at 100 level. Electives may be selected from the general schedule and might include CREA102 and CREA202.

Sound – Composition & Production

UAC Code: 75406

This major explores the creation and manipulation of sound, in particular through the use of digital technologies. It will be suitable for students from a traditional music background as well as those who have developed an interest in sound design and music composition through computer-based technologies. The design of sound for multi-media applications will form a significant component of the major.

Students' creativity will be extended through studies in:

- theory of sound (acoustics)
- composition (electronic media/ improvisational and traditional)
- computer music applications
- critical listening skills

Seminars addressing all aspects of sound studies will give students the opportunity to interact with their peers and with visiting professional sound artists.

Specific Entry Requirements

Applicants need to present original examples of their work (scores and recordings).

Major Study Program

Subjects		Session	Credit Points
100-level			
SCMP101	Investigations in Sound 1	Autumn	6
SCMP102	Investigations in Sound 2	Spring	6
SCMP121	Sound Studies 1	Autumn	6
SCMP122	Sound Studies 2	Spring	6
Plus 12 credit points of Theory			
SCMP111	Issues in Sound Design 1	Autumn	6
SCMP112	Issues in Sound Design 2	Spring	6
200-level			
SCMP201	Investigations in Sound 3	Autumn	6
SCMP202	Investigations in Sound 4	Spring	6
SCMP221	Sound Studies 3	Autumn	6
SCMP222	Sound Studies 4	Spring	6
Plus 12 credit points of Theory			
SCMP211	Issues in Sound Design 3	Autumn	6
SCMP212	Issues in Sound Design 4	Spring	6
300-level			
SCMP301	Investigations in Sound 5	Autumn	6
SCMP302	Investigations in Sound 6	Spring	6
SCMP321	Sound Studies 5	Autumn	6
SCMP322	Sound Studies 6	Spring	6
Plus 12 credit points of Theory			
SCMP311	Issues in Sound Design 5	Autumn	6
SCMP312	Issues in Sound Design 6	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points should be at 100 level. Electives may be selected from the general schedule and might include CREA102 and CREA202.

Visual Arts

UAC Code: 754605

This major is based on studio practice and related theory and history studies. The studio processes cover textiles, painting and sculpture with support studies in curatorial practice, photography, video, printmaking, installation and digital image making. Student work is shown throughout the year in one of the gallery spaces in the Faculty.

In first year, studio subjects introduce students to a range of media and processes. Studio skills are taught and a critical approach to their use is fostered in weekly seminars, which study the histories of each art and craft discipline. In second year, studio subjects build on these basic techniques and skills. Increased emphasis is placed on the students' ability to achieve independence in ideas, technical skills and work practices. Students are encouraged to contextualise their artwork in contemporary practice by developing research processes, attending exhibitions and participating in the wider artistic community. In third year studio subjects, students are expected to explore and develop personal themes and ideas to a greater depth. Professional practice as a visual artist is introduced. This includes skills in visual presentation appropriate to the medium, gallery practice and compiling a professional portfolio. The focus is on the completion of a body of work for exhibition in the final year graduating exhibition.

In first year students are given a foundation in Introduction to Theories of Visual Culture and Perspectives on Modernism as a background to their second year of study in Early Visual Arts and Design in Australia and The Artist in Contemporary Culture. By third year, the focus turns to Australian Indigenous Art and Visual Culture and Representation and Space in the Post Colonial World.

Specific Entry Requirements

Applicants are asked to submit a set of photographs of six or more of their most recent artworks. If selected for an interview, applicants must bring a full portfolio of their work – original work is required.

Major Study Program

Subjects		Session	Credit Points
100-level			
VISA101	Visual Investigations A	Autumn	6
VISA102	Visual Investigations B	Spring	6
VISA103	Introduction to Visual Arts Studio A	Autumn	6
VISA104	Introduction to Visual Arts Studio B	Spring	6
Plus 12 credit points of Theory			
VISA121	Introduction to Theories of Visual Culture	Autumn	6
VISA122	Perspectives on Modernism	Autumn	6
200-level			
VISA201	Visual Investigations C	Autumn	6
VISA202	Visual Investigations D	Spring	6
VISA203	Visual Arts Studio C	Autumn	6
VISA204	Visual Arts Studio D	Spring	6
Plus 12 credit points of Theory			
VISA221	Early Visual Arts and Design in Australia	Autumn	6
VISA222	The Artist in Contemporary Culture	Spring	6
300-level			
VISA301	Visual Investigations E	Autumn	6
VISA302	Visual Investigations F	Spring	6
VISA303	Advanced Visual Arts Studio E	Autumn	6
VISA304	Advanced Visual Arts Studio F	Spring	6
Plus 12 credit points of Theory			
VISA321	Introduction to Indigenous Art and Visual Culture	Autumn	6
VISA322	Representation and Space in the Post Colonial World	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points should be at 100 level. Electives may be selected from the general schedule and might include CREA102, CREA202 and VISA350.

Graphic Design & New Media

UAC Code: 754602

This major combines theory and laboratory production components. Students are introduced to a range of graphic and digital imaging techniques and practices across a number of conceptual and industry contexts including graphic design, web and interactive multimedia design. The major encourages an interdisciplinary approach to the study and practice of creative print and screen-based design. Student work is shown throughout the year in one of five gallery spaces in the Faculty.

The first year of the course covers both an introduction to graphic design and to theories of visual and graphic arts. Students are encouraged to carry out research on historical and contemporary designers and cultural trends, then experiment with a range of production techniques, computer software and hardware skills and creative solutions. Students gain a solid grounding in visual art methods of drawing and constructing images, both analogue and digital. Throughout the second year, specific subjects in typography, campaign graphics and editorial design, web design and design theory are introduced to the course. Students will be more independent in their motivations and research focus. Increasingly, student projects are concerned with real clients and job briefs. Theory and production subjects run in parallel throughout the year. In year three, advanced design theory and production subjects introduce the student to professional practice methods and techniques. The emphasis is on developing a range of critical and practical skills in the rapidly expanding fields of graphic and digital design. Interactive multimedia and new media theory form a focus for end of degree students. Major projects are developed for real clients. An end of year exhibition of final session work is held in one or more of the Faculty galleries. An on-line gallery is also available for students to show their work.

Specific Entry Requirements

Applicants are asked to submit a set of six photographs or prints that show examples of approaches to at least three of the following design categories: web page design, interactive multimedia, poster design (photo or paper collage is acceptable), book/music CD cover design (pencil, water colour or gouache paint is acceptable), logo design (pen and ink or rubdown lettering is acceptable), T-shirt design using screen print, advertising design using photography or editorial illustration (hand or digital). If selected for an interview, applicants must bring a full portfolio of their work – original work is required.

Major Study Program

Subjects		Session	Credit Points
100-level			
DESN101	Introduction to Graphic Design	Autumn	6
DESN102	Design for Visual Communications	Spring	6
VISA101	Visual Investigations A	Autumn	6
VISA102	Visual Investigations B	Spring	6
VISA121	Introduction to Theories of Visual Culture	Autumn	6
VISA122	Perspectives on Modernism	Spring	6
200-level			
DESN201	Typography, Text and Illustration	Autumn	6
DESN202	Campaign Graphics and Editorial Design	Spring	6
DESN211	Introduction to Web Design	Autumn	6
DESN212	Advanced Web design	Spring	6
Plus 12 credit points of Theory			
VISA221	Early Visual Arts and Design in Australia	Autumn	6
DESN222	Design Theory	Spring	6
300-level			
DESN301	Commercial Graphic Design Practice A	Autumn	6
DESN302	Commercial Graphic Design Practice B	Spring	6
DESN311	Interactive Multimedia Design	Autumn	6
DESN312	Advanced Design Project	Spring	6
Plus 12 credit points of Theory			
DESN321	New Media Theory	Autumn	6
DESN322	Advanced Design Project	Spring	6

Electives

Single degree BCA students must also include 36 credit points of electives in their degree, of which no more than 18 credit points should be at 100 level. Electives may be selected from the general schedule and might include CREA102 and CREA202.

Visual Arts & Graphic Design

UAC Code: 754607

This major is designed for those who have strong interests in both visual arts practice and in aspects of graphic design. It allows visual artists, who wish to broaden their career options, to develop skills which have commercial application. The graphic design emphasis in this major is towards design for print media, using both manual and digital technologies. Studio subjects are supported by design theory and visual arts theory subjects.

Specific Entry Requirements

Refer to the specific entry requirements for Visual Arts and also for Graphic Design and New Media.

Major Study Program

Subjects		Session	Credit Points
100-level			
VISA101	Visual Investigations A	Autumn	6
VISA103	Introduction to Visual Arts Studio A	Autumn	6
DESN101	Introduction to Graphic Design	Autumn	6
VISA102	Visual Investigations B	Spring	6
VISA104	Introduction to Visual Arts Studio B	Spring	6
DESN102	Design for Visual Communication	Spring	6
VISA121	Introduction to Theories of Visual Culture	Autumn	6
VISA122	Perspectives on Modernism	Spring	6
200-level			
DESN201	Typography, Text and Illustration	Autumn	6
VISA221	Early Visual Arts and Design in Australia	Autumn	6
VISA201	Visual Investigations C	Autumn	6
VISA203	Visual Arts Studio C	Autumn	6
DESN202	Campaign Graphics and Editorial Design	Spring	6
DESN222	Design Theory	Spring	6
VISA222	The Artist in Contemporary Culture	Spring	6
And			
VISA202	Visual Investigations D	Spring	6
Or			
VISA204	Visual Arts Studio D	Spring	6
300-level			
DESN301	Commercial Graphic Design Practice A	Autumn	6
VISA321	Introduction to Indigenous Art and Visual Culture	Autumn	6
VISA301	Visual Investigations E	Autumn	6
VISA303	Advanced Visual Arts Studio E	Autumn	6
DESN302	Commercial Graphic Design Practice B	Spring	6
VISA322	Representation and Space in the Post Colonial World	Spring	6
DESN322	Advanced Graphic Design Theory	Spring	6
And			
VISA302	Visual Investigations F	Spring	6
Or			
VISA304	Advanced Visual Arts Studio F	Spring	6

Bachelor of Creative Arts (Honours)

Testamur Title of Degree:	Bachelor of Creative Arts (Honours)
Abbreviation:	BCA(Hons)
Home Faculty:	Creative Arts
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	Mostly face to face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); $6,750 per session (international)
Location:	Wollongong
UOW Course Code:	843
CRICOS Code:	-

Overview

Students who have fulfilled the requirements of a Bachelor of Creative Arts and achieved the required academic standard, may undertake an Honours degree in their major area of study.

The Honours program is an end-on degree in Creative Arts and provides an opportunity for candidates to develop, to a sophisticated level, established theoretical and practical skills gained during their undergraduate course. In the BCA (Hons) course, the student is given close supervision of both a research topic and a creative presentation. In addition, a weekly

research methodology seminar in Autumn Session provides training in advanced research skills specific to disciplines with the creative arts. The course thus provides a pathway to higher research degrees at masters and doctoral levels.

Entry Requirements

Students may apply to enrol in an Honours degree after the requirements of the pass degree have been fulfilled at the prescribed academic standard usually a distinction average in practical and theory subjects is required. Admission to Honours is by recommendation of the relevant head of the discipline and approval by the Dean or Associate Dean of the Faculty, and acceptance by an academic supervisor in the discipline.

Students proceeding directly from a 3-year degree to Honours do not graduate until after they have completed Honours. However, it is possible to graduate with a Pass Degree and then decide to undertake Honours at a later date, either at this University or at another University. Graduates from other Universities may also apply to undertake Honours at the University of Wollongong.

Course Program

Subjects		Session	Credit Points
CREA401	Minor Thesis in Creative Arts	Annual	24
CREA402	Creative Arts Presentation	Annual	24

Bachelor of Communication and Media Studies / Bachelor of Creative Arts

Testamur Title:	Bachelor of Communication and Media Studies, Bachelor of Creative Arts
Abbreviation:	BCM-BCA
Home Faculty:	Faculty of Creative Arts
Duration:	4.5 years full-time of part-time equivalent
Total Credit Points:	216
Delivery Mode:	Mostly face-to-face
Starting Session(s):	Autumn/Spring. (Students with Advanced Standing may begin in Summer Session if appropriate subjects are available).
Standard Course Fee:	HECS (local); $7,200 AUD per session (international)
Location:	Wollongong
UOW Course Code:	796
CRICOS Code:	-

Overview

In Creative Arts students take extensive studies in a discipline area. The BCM adds an opportunity to broaden the focus, to acquire skills outside the main areas of the degree and thereby increase its marketability. The core of the BCM deals with contemporary issues in politics, communication studies and media, giving students a broad grounding in which to situate their major study.

Course Requirements

To qualify for the award of the Bachelor of Creative Arts – Bachelor of Communication and Media Studies, a candidate must:

- complete a major in the BCA comprising 108 credit points of core subjects;
- complete all the compulsory (core) subjects in the Bachelor of Communication and Media Studies and the required subjects of one of the major studies in that degree;
- complete at least 90 credit points of subjects from the Course Structures of the Faculty of Creative Arts (including a minimum of 60 credit points) for a Creative Arts major;
- complete not more than 90 credit points at 100-level;
- where necessary, undertake elective subjects from the Course Structures of the Bachelor of Creative Arts, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 216 credit points have been completed.

Major Study

Students must take one major from each degree program.

Majors in the Bachelor of Communication and Media Studies
For details of the major studies, refer to the Bachelor of Communication and Media Studies (single degree entry) in the Arts section of the Handbook.

Advertising and Marketing
Journalism
Media Technology Studies
Screen Studies

Majors in the Bachelor of Creative Arts
For details of the major studies, refer to the Bachelor of Creative Arts single degree entry.

Students enrolled in the double degree program should consult both faculties about their choice of major studies.

Honours

A Bachelor of Creative Arts (Honours) degree requires additional study and may be undertaken by students who meet the requirements for enrolment in Honours. Students should consult the single degree Bachelor of Creative Arts entry for Honours requirements.

A Bachelor of Communication and Media Studies (Honours) degree will be proposed by the Faculty of Arts in 2004 to begin in 2005.

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Creative Arts / Bachelor of Arts

Testamur Title of Degree:	Bachelor of Creative Arts, Bachelor of Arts
Abbreviation:	BCA-BA
Home Faculty:	Creative Arts
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong
UOW Course Code:	720
UAC Code:	751501
CRICOS Code:	-

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Arts.

Entry Requirements

See requirements for separate degrees.

Students are required to complete:
1. a major in the BCA comprising 108 credit points of core subjects.
2. the subjects prescribed for one of the majors in the BA degree (this will include one major study taught by a member unit of the Faculty of Arts (including Aboriginal Studies) or a major in Psychology or Population Health); and
3. sufficient elective credit points to ensure a total of 216 credit points is completed.

Honours

Students who complete the double degree to the required academic standard in the relevant major are eligible for either BCA (Honours) or BA (Honours).

Other Information

For further information see Policy Guidelines for Double Degrees at: www.uow.edu.au/handbook/courserules/double_degree.html

Bachelor of Creative Arts / Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Creative Arts/ Bachelor of Commerce
Abbreviation:	BCA, BCom
Home Faculty:	Creative Arts
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong
UOW Course Code:	709
UAC Code:	751502
CRICOS Code:	-

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Commerce.

Entry Requirements

See requirements for separate degrees.

Course Requirements

Students must consult both the Faculty of Creative Arts and the Faculty of Commerce academic advisers about selecting appropriate subjects.

Students are required to complete:
1. a major in the BCA comprising 108 credit points of core subjects;
2. a major sequence in the other Faculty as prescribed by that Faculty; and
3. sufficient elective credit points to ensure a total of 216 credit points is completed.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for either BCA (Honours) or BCom (Honours).

Bachelor of Creative Arts / Bachelor of Science

Testamur Title of Degree:	Bachelor of Creative Arts, Bachelor of Science
Abbreviation:	BCA-BSc
Home Faculty:	Creative Arts
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	845
UAC Code:	751504
CRICOS Code:	-

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Science.

Entry Requirements

See requirements for separate degrees.

Course Requirements

Students must consult both the Faculty of Creative Arts and the Faculty of Science academic advisers about selecting appropriate subjects.

Students are required to complete:
1. a major in the BCA comprising 108 credit points of core subjects;
2. a major sequence in the other Faculty as prescribed by that Faculty; and
3. sufficient elective credit points to ensure a total of 216 credit points is completed.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for either BCA (Honours) or BSc (Honours).

Bachelor of Creative Arts / Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Creative Arts, Bachelor of Computer Science
Abbreviation:	BCA-BCompSc
Home Faculty:	Creative Arts
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	844
UAC Code:	751503
CRICOS Code:	

Overview

This double degree enables students to undertake comprehensive majors in both Creative Arts and Computer Science.

Entry Requirements

See requirements for separate degrees.

Course Requirements

Students must consult both the Faculty of Creative Arts and the Faculty of Informatics academic advisers about selecting appropriate subjects.

Students are required to complete:
1. a major in the BCA comprising 108 credit points of core subjects;
2. a major sequence in the other faculty as prescribed by that Faculty; and
3. sufficient elective credit points to ensure a total of 216 credit points is completed.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for either BCA (Honours) or BCompSc (Honours).

Bachelor of Creative Arts / Bachelor of Laws

Refer to Faculty of Law section of Handbook.

Faculty of Education

Degrees Offered

Bachelor of Teaching (Early Childhood Education)
Bachelor of Education in Early Childhood Education (Honours)
Bachelor of Teaching (Primary Education)
Bachelor of Education (Primary Education)
Bachelor of Education in Primary Education (Honours)
Bachelor of Education (Physical and Health Education)
Bachelor of Education in Physical and Health Education (Honours)
Bachelor of Mathematics Education
Bachelor of Science Education

Bachelor of Teaching (Early Childhood Education)

Testamur Title of Degree:	Bachelor of Teaching (Early Childhood Education)
Abbreviation:	BTeach(Early Child)
Home Faculty:	Education
Duration:	3 years full time or part time equivalent
Total Credit Points:	144
Delivery Mode:	Face to face with online support
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong
UOW Course Code:	881
UAC Code:	755111
CRICOS Code:	012100G

Overview

The Bachelor of Teaching in Early Childhood Education program focuses upon developing early childhood teachers as critically reflective teachers and managers who can work with children across the age range 0-8 years in a variety of early childhood settings. Course content covers: Foundations of Education (psychology, history sociology, and philosophy of early childhood education); Curriculum Studies (e.g. Mathematics, Science, Language, Creative Arts, in early childhood education); Managing Early Childhood Learning Environments; and Child Development and Care. Field-work is an ongoing component throughout the course, and students are expected to conduct independent and collaborative inquiry in the field as part of their learning and assessment tasks.

Approaches to course delivery emphasise students' autonomy and critical reflection in their learning. Students are involved in problem-solving; field and library research, which is conducted in teams, following input provided by lecturing staff. Teamwork is also used to promote students' interpersonal skills, which is identified as a requirement for early childhood practitioners. A three-stage framework that provides scaffolding which is systematically reduced over the three years of the course, further aims to develop skills in self-directing team work.

Appropriate arrangements are made to cater for the needs of students not proceeding through the program at the normal rate, as defined in the schedule below.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, and any two units of mathematics as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Practical Teaching Experience
Students enrolled in the Bachelor of Teaching (Early Childhood Education) are required to undertake a practical teaching experience. Practical teaching experiences include 5-8 year-olds in K-2 classrooms; 3-5 year-olds in preschool and long day care settings; and a six week extended teaching practicum in either location. Practical teaching experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney pre-schools, schools and long day care settings. Opportunities to undertake a practical teaching experience in countries such as China, Fiji, Malaysia and Thailand may also be available.

Prohibited Persons Legislation
Teacher education students must complete a “Prohibited Employment Declaration” before undertaking practical teaching experience as required by the Child Protection (Prohibited Employment) Act 1998.

Course Program

Subjects		Session	Credit Points
Year 1 – Autumn			
EDUF111	Education I	Autumn	6
EDUL101	Language and Literacy Education I	Autumn	6
EDUS122	Mathematics Education in Early Childhood	Autumn	6
EDUT121	Curriculum and Pedagogy I Early Childhood	Autumn	6
Year 1 - Spring			
EDIT102	Information Technology for Learning	Spring	6
EDUA111	Creative and Expressive Arts in Early Childhood Education	Spring	*6*
EDUF104	Early Childhood Learning Environment I	Spring	6
EDUF106	Child Development and Care I	Spring	*6*

Year 2 – Autumn			
EDUF201	Early Childhood Learning Environment II	Autumn	6
EDUF232	Early Intervention and Children with Special Needs	Autumn	6
EDUS203	Human Society and Its Environment	Autumn	6
EDUS213	Science Education in Early Childhood	Autumn	*6*
Year 2 - Spring			
EDUF204	Learners with Exceptional Needs	Spring	6
EDUF212	Education II	Spring	6
EDUF252	Child Development and Care II	*Spring*	*6*
EDUP201	Personal Development Health and Physical Education	Spring	6
Year 3 - Autumn			
EDUF303	Early Childhood Learning Environment III	Autumn	6
EDUF313	Historical and Philosophical Perspectives of Early Childhood	Autumn	6
EDUF353	Management of Early Childhood Services	*Autumn*	*6*
EDUL301	Language and Literacy Studies in Early Childhood	Autumn	6
Year 3 - Spring			
EDUF304	Early Childhood Curriculum	Spring	12
EDUT312	Early Childhood Extended Practicum	Spring	12

Professional Recognition

The Bachelor of Teaching (Early Childhood Education) is recognised by the Kindergarten Union of New South Wales, the New South Wales Department of Education & Training and the New South Wales Department of Community Services.

Bachelor of Education (Early Childhood Education) Honours

Testamur Title of Degree:	Bachelor of Education (Early Childhood Education) with Honours
Abbreviation:	BEd(Hons)
Home Faculty:	Education
Duration:	1 year full time of part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong
UOW Course Code:	883
UAC Code:	755111
CRICOS Code:	012102F

Overview

Students admitted to the Honours program will be expected to study over two sessions for a total of 48 credit points. The program requires the completion of a 24 credit point thesis, EDUT496 - Honours Thesis in Early Childhood, an annual subject, plus EDUT495 - Selected Topics in Early Childhood Education, plus EDUT403 – Research Methods. Refer to subject listing for further information.

Bachelor of Teaching (Primary Education)

Testamur Title of Degree:	Bachelor of Teaching (Primary Education)
Abbreviation:	BTeach(Prim)
Home Faculty:	Education
Duration:	3 years full time or part time equivalent
Total Credit Points:	144
Delivery Mode:	Face to face with online support
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong
UOW Course Code:	880
UAC Code:	755112
CRICOS Code:	012099G

Overview

This course aims to develop reflective, professional teachers who can work effectively in a variety of educational settings including primary schools in both the public and private sectors. Core subjects are drawn from four strands: Education Foundation Studies, Studies in the Key Learning Areas, Studies in Curriculum and Pedagogy and Elective Studies. Elective choices are available from both within the Faculty and from the schedules of subjects offered by other Faculties. The course requires students to complete 12 credit points of elective studies outside the Faculty of Education.

While it is possible to complete the course on a part-time basis, students need to be aware that there could be timetable difficulties. Students intending to attempt the degree part-time should consult with the Director of Primary Education at enrolment.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, and any two units of mathematics as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Practical Teaching Experience
The course involves practical teaching experiences in each year. The details relating to practical teaching experience are noted in the subject descriptions for EDUT111 - Curriculum and Pedagogy I, EDUT211 - Curriculum and Pedagogy II and EDUT302 - Curriculum and Pedagogy III. Practical teaching experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney schools. Opportunities to undertake a practical teaching experience in countries such as China, Fiji, Malaysia and Thailand may also be available.

Prohibited Persons Legislation
Teacher education students must complete a "Prohibited Employment Declaration" before undertaking practical teaching experience as required by the Child Protection (Prohibited Employment) Act 1998.

Course Program

Students should note that a revised program of study is being implemented for the Bachelor of Teaching (Primary Education) in 2004. Students who commenced the course before 2004 should refer to the program of study that applied at the time of their enrolment. Such information is available at the Faculty of Education Web Page.

Subjects		Session	Credit Points
Year 1 - Autumn			
EDUF111	Education I	Autumn	6
EDUL101	Language and Literacy Education I	Autumn	6
EDUM201	Mathematics Education	Autumn	6
EDUT111	Curriculum and Pedagogy I	Autumn	6
Year 1 - Spring			
EDUA201	Creative Arts Education	Spring	6
EDUP201	Personal Development, Health and Physical Education	Spring	6
EDUS102	Science and Technology Education	Spring	6
EDUS104	Human Society and Its Environment	Spring	6
Year 2 - Autumn			
EDIT102	Information Technology for Learning	Autumn	6

Plus one of the following Key Learning Area Elective Studies. Enrolment quotas apply to these subjects.

EDUA224	Creative Arts Key Learning Area Elective I	Autumn	6
EDUL224	Language Education Key Learning Area Elective I	Autumn	6
EDUM224	Mathematics Education Key Learning Area Elective I	Autumn	6
EDUP226	Personal Development, Health and Physical Education Key Learning Area Elective I	Autumn	6
EDUS224	Science and Technology Education Key Learning Area Elective I	Autumn	6
EDUS226	Human Society and Its Environment Key Learning Area Elective I	Autumn	6

Plus one Elective Studies subject to be chosen from the list below or from 200/300 level subjects in the General Schedule. Enrolment quotas apply to these subjects. Subjects that do not have sufficient enrolments will not run.

EDUE301	Issues in Aboriginal Education (Not to count with ABST361)	Autumn	6
EDUE303	Teaching Language and Literacy Through Literature in Early Childhood	Autumn	6
EDUE305	Design and Assessment of Learning Experiences for Adults	Autumn	6
EDUE307	Physical Education: Coaching and Sports Administration	Autumn	6
EDUE313	Interactive Multimedia by Design	Autumn	6
EDUE315	Environmental Education - The Natural Environment	Autumn	6
EDUE317	English Language: Examining Learners Problems	Autumn	6
Or			
EDUE319	Programming and Methodology in Second Language Teaching	Autumn	6
EDUE320	Behaviour Management (Not to count with EDUE311)	Autumn	6
EDUE321	Reading Difficulties (Not to count with EDUE312)	Autumn	6
EDUE322	The Psychology of Exceptional Children	Autumn	*6*
EDUE325	Youth, Culture, Education	Autumn	*6*
EDUE327	Language & Ideology	Autumn	*6*
EDUE336	Practicum or Project in Second Language Teaching	Autumn	*6*

Plus one 6 credit point subject chosen from those subjects on offer in any Faculty other than the Faculty of Education in which the students enrolment is accepted. Refer to the General Schedule.

Year 2 - Spring

EDUF204	Learners with Exceptional Needs	Spring	6
EDUF212	Education II	Spring	6
EDUL202	Language and Literacy Education II	Spring	6
EDUT211	Curriculum and Pedagogy II	Spring	6

Year 3 - Autumn

EDUF311	Education III	Autumn	6
EDUT301	Research Methods	Autumn	6

Plus one of the following Key Learning Area Elective Studies. Enrolment quotas apply to these subjects.

EDUA224	Creative Arts Key Learning Area Elective I	Autumn	6
EDUL224	Language Education Key Learning Area Elective I	Autumn	6
EDUM224	Mathematics Education Key Learning Area Elective I	Autumn	6
EDUP226	Personal Development, Health and Physical Education Key Learning Area Elective I	Autumn	6
EDUS224	Science and Technology Education Key Learning Area Elective I	Autumn	6
EDUS226	Human Society and Its Environment Key Learning Area Elective I	Autumn	6

Plus one 6 credit point subject chosen from those subjects on offer in any Faculty other than the Faculty of Education in which the students enrolment is accepted. Refer to the General Schedule.

Year 3 - Spring

EDUT302	Curriculum & Pedagogy III	Spring	*12*

Plus one of the following Key Learning Area Elective Studies. Enrolment quotas apply to these subjects.

EDUA331	Creative Arts Key Learning Area Elective II	Spring	6
EDUL335	Language Education Key Learning Area Elective II	Spring	6
EDUM333	Mathematics Education Key Learning Area Elective II	Spring	6
EDUP335	Personal Development, Health and Physical Education Key Learning Area Elective II	Spring	6
EDUS333	Science and Technology Education (K-6) Key Learning Area Elective II	Spring	6
EDUS335	Human Society and Its Environment Key Learning Area Elective II	Spring	6

Plus one Elective Studies subject to be chosen from the list below or from 200/300 level subjects in the General Schedule. Enrolment quotas apply to these subjects. Subjects that do not have sufficient enrolments will not run.

EDUE302	Aboriginal Pedagogy (Not to count with ABST 362)	Spring	6
EDUE304	Teaching Language Through Literature in the Primary and Middle Years	Spring	6
EDUE306	Learning Strategies and Communication in Adult Education	Spring	6
EDUE308	PDHPE: Health Promotion	Spring	6
EDUE314	Interactivity and the Web (Designing Hypertext Multimedia)	Spring	6
EDUE316	Environmental Education - The Built Environment	Spring	6
EDUE320	Behaviour Management (Not to count with EDUE311)	Spring	6
EDUE321	Reading Difficulties (Not to count with EDUE312)	Spring	6
EDUE323	Educational Psychology in Teaching & Learning	Spring	6
EDUE324	Gender & Social Justice	Spring	6
EDUE326	Curriculum & Program Evaluation	Spring	6
EDUE336	Practicum or Project in Second Language Teaching	Spring	*6*
EDUE340	Materials and Technology in Second Language Teaching	Spring	6
Summer Session			
EDUF111	Education I	Summer	6
EDUE304	Teaching Language Through Literature in the Primary and Middle Years	Summer	6
EDUE333	International Teaching Project	Summer	6

Major Study Areas

Education and professional studies, primary school key learning areas.

Professional Recognition

The Bachelor of Teaching (Primary Education) degree is a recognised New South Wales teaching credential and is also recognised in most other Australian states and territories.

Other Information

Knowledge Building Community (KBC) - Mentor Program

It is possible for students to participate in an innovative approach to teacher training, the KBC - Mentor Program. Students who participate in the KBC - Mentor Program complete the requirements of the Bachelor of Teaching (Primary Education) by engaging in collaborative problem solving under the guidance of mentoring lecturers and classroom teachers. Students requiring information concerning the KBC should consult the Director of Primary Education.

Bachelor of Education (Primary Education)

Testamur Title of Degree:	Bachelor of Education (Primary Education)
Abbreviation:	BEd(Prim)
Home Faculty:	Education
Duration:	1 year full time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $6,900 AUD session
Location:	Wollongong
UOW Course Code:	871
UAC Code:	-
CRICOS Code:	-

Overview

Bachelor of Teaching (Primary Education) graduates may qualify for the award of Bachelor of Education (Primary Education) by completing a fourth year of study. The Bachelor of Education (Primary Education) is designed to develop further the knowledge and skills acquired in the Bachelor of Teaching (Primary Education). Some subjects will be offered after 4.30 pm to allow students who are working during the day to take some of their course after school hours. Students who wish to attend university only in the evenings will need to enrol in the part-time mode.

Entry Requirements / Assumed Knowledge

The Bachelor of Education (Primary Education) requires, as a pre-requisite, the successful completion of a Bachelor of Teaching (Primary Education) or its equivalent. Entry is competitive and selection is based on overall academic achievement and performance in practical teaching experiences. Students entering with a BTeach (Early Childhood) are required to undertake a three week practicum with Years 3-6.

Course Program

Subjects		Session	Credit Points
Year 1 - Autumn			
Either			
EDUF421	Leadership and International Perspectives In Education	Autumn	6
Or			
EDUT422	Reflective Practice	Autumn	6

Plus one elective from any part of the Primary program including Key Learning Area electives, Discipline electives or a 200 or higher level subject chosen from those on offer in any Faculty as well as the Faculty of Education in which the student's enrolment is accepted.

Plus either two subjects selected from the following Key Learning Area Elective Studies subjects.

EDUA441	Creative Arts Key Learning Area Elective III	Autumn	6
EDUL441	Language Education Key Learning Area Elective III	Autumn	6
EDUM441	Mathematics Education Key Learning Area Elective III	Autumn	6
EDUP444	Personal Development Health and Physical Education Key Learning Area Elective IV	Autumn	6
EDUS411	Science and Technology Education Key Learning Area Elective III	Autumn	6
EDUS441	Human Society and Its Environment Key Learning Area Elective III	Autumn	6

Or one subject selected from the Key Learning Area Elective Studies subjects set out above plus one subject selected from the Elective Studies subjects listed below.

EDUE401	Issues In Aboriginal Education (Not to count with EDUE301/ABST361)	Autumn	6
EDUE405	Assessing Performance in Adult Training	Autumn	6
EDUE407	Inquiry Project in Physical and Health Education	Autumn	6
EDUE408	Placement in Physical and Health Education	Autumn	6
EDUE411	Disability Issues Across the Lifespan	Autumn	6
EDUE413	Managing Multimedia Resources	Autumn	6
EDUE415	School and Community Based Sustainable Development Practices	Autumn	6
EDUE317	English Language Examining Learners' Problems	Autumn	6

EDUE319	Programming and Methodology in Second Language Teaching	Autumn	6
EDUT432	Project in Education	Autumn	6

Year 1 - Spring

Either			
EDUF421	Leadership and International Perspectives In Education	Spring	6
Or			
EDUT422	Reflective Practice	Spring	6

Plus one elective from any part of the Primary program including Key Learning Area electives, Discipline electives or a 200 or higher level subject chosen from those on offer in any Faculty as well as the Faculty of Education in which the student's enrolment is accepted.

Plus either two subjects selected from the following Key Learning Area Elective Studies subjects.

EDUA442	Creative Arts Key Learning Area Elective IV	Spring	6
EDUL442	Language Education Key Learning Area Elective IV	Spring	6
EDUM442	Mathematics Education Key Learning Area Elective IV	Spring	6
EDUP441	Personal Development Health and Physical Education Key Learning Area Elective III	Spring	6
EDUS444	Human Society and Its Environment Key Learning Area Elective IV	Spring	6

Or one subject selected from the Key Learning Area Elective Studies subjects set out above plus one subject selected from the Elective Studies subjects listed below.

EDUE402	Aboriginal Pedagogy (Not to count with EDUE302/ABST362)	Spring	6
EDUE406	Theories of Adult Learning	Spring	6
EDUE407	Inquiry Project in Physical and Health Education	Spring	6
EDUE408	Placement in Physical and Health Education	Spring	6
EDUE412	Programming for Individuals with Moderate to Severe Disabilities	Spring	6
EDUE414	Cognition, Interface and Interactivity	Spring	6
EDUE416	Environmental Education - Through Information Technology	Spring	6
EDUE340	Materials and Technology in Second Language Teaching	Spring	6
EDUT432	Project in Education	Spring	6

Professional Recognition

The Bachelor of Education (Primary Education) degree is a recognised New South Wales teaching credential and is also recognised in most other Australian states and territories.

Bachelor of Education (Primary Education) Honours

Testamur Title of Degree:	Bachelor of Education (Primary Education) Honours
Abbreviation:	BEd(Hons)-Prim
Home Faculty:	Education
Duration:	1 year full time or part-time equivalent
Total Credit Points:	48
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong
UOW Course Code:	870
UAC Code:	755112
CRICOS Code:	012102F

Overview

Students admitted to the Bachelor of Education (Primary Education) with Honours must enrol in EDUT 403 - Research Methods In Education in Autumn Session plus a 24 credit point Annual subject EDUT 493 - Thesis (annual) plus 3 subjects chosen from 400 level subjects offered in the Bachelor of Education (Primary Education) course structure.

Bachelor of Education (Physical & Health Education)

Testamur Title of Degree:	Bachelor of Education (Physical & Health Education)
Abbreviation:	BEd-Phy/HlthEd
Home Faculty:	Education
Duration:	4 years full time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong
UOW Course Code:	804
UAC Code:	755101
CRICOS Code:	012101G

Overview

This course is intended to provide a sound academic and professional training for teachers who wish to be employed in the areas of Personal Development, Health and Physical Education.

The course normally extends over a minimum period of four years, and offers specialist studies in the physical and behavioural sciences and socio-cultural foundations of human movement and their application to physical education in schools. Extensive studies in health education and personal development are offered in the course. The specialist subjects in the program are complemented by studies in dance, games, gymnastics, aquatics and track and field, together with fieldwork and practice teaching experience.

The course requires the aggregation of at least 192 credit points, with 48 credit points normally being undertaken in each year of full time study.

The course contains core subjects, the study of which is mandatory, and elective subjects which allow an element of choice for the student.

It should be noted that:

1. In each of the four years a period of mandatory practical teaching experience in schools is required.
2. Attendance is mandatory at tutorials, laboratory classes and excursions, unless given specific exemption by the Program Director.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Practical Teaching Experience
The course involves practical teaching experiences in each year. Practical teaching experiences usually occur in Illawarra, Shoalhaven, Southern Highlands and Southern Sydney schools. Opportunities to undertake a practical teaching experience in countries such as China, Fiji, Malaysia and Thailand may also be available.

Prohibited Persons Legislation
Teacher education students must complete a "Prohibited Employment Declaration" before undertaking practical teaching experience as required by the Child Protection (Prohibited Employment) Act 1998.

Course Program

Subjects		Session	Credit Points
Year 1 - Autumn			
EDUF111	Education I	Autumn	6
EDUP123	Movement Concepts and Practices	Autumn	6
EDUP131	Systemic Anatomy	Autumn	6
EDUP153	Foundations of Personal Development, Health and Physical Education	Autumn	6
Year 1 - Spring			
EDIT102	Information Technology for Learning	Spring	6
EDUP124	Skill Analysis and Performance I	Spring	6
EDUP132	Physiology	Spring	6
EDUP144	Health and Health Behaviour	Spring	6
Year 2 - Autumn			
EDUP223	Skill Analysis and Performance II	Autumn	6
EDUP235	Biomechanics for Educators	Autumn	6
EDUP243	Exploring Emotional Well-being	Autumn	6
EDUP255	Teaching Physical Education	Autumn	6
Year 2 – Spring			
EDUP224	Skill Analysis and Performance III	Spring	6
EDUP234	Exercise Physiology	Spring	6
EDUP246	Risktaking and Young People	Spring	6
EDUP256	Teaching Health Education	Spring	6
Year 3 – Autumn			
EDUP323	Advanced Skill Analysis I	Autumn	6
EDUP333	Motor Learning	Autumn	6
EDUP391	Research and Evaluation in Physical and Health Education	Autumn	6
EDUP392	Social and Cultural Perspectives of Physical Activity and Physical Education	Autumn	6
Year 3 - Spring			
EDUP324	Advanced Skill Analysis II	Spring	6
EDUP346	Sexuality, Identity and Relationships	Spring	6
EDUP355	Curriculum Perspectives and Issues in Personal Development, Health and Physical Education	Spring	6

Plus

Any 6cp elective subject chosen from either the list of electives for the Bachelor of Education (Physical and Health Education), or any Education KLA or Discipline elective or a subject chosen from those on offer in any other Faculty in which the student's enrolment is accepted.

Year 4 – Autumn			
EDUP453	Professional Studies in Personal Development, Health and Physical Education	Autumn	6
EDUP454	Physical and Health Education Extended Practicum	Autumn	6
EDUP491	Theory and Application of Special Education in Physical and Health Education	Autumn	6

Plus

Any 6cp elective subject chosen from either the list of electives for the Bachelor of Education (Physical and Health Education), or any Education Key Learning Area or Discipline elective or a subject chosen from those on offer in any other Faculty in which the student's enrolment is accepted.

Year 4 - Spring			
EDUP435	First Aid and Sports Medicine	Spring	6
EDUP446	Contemporary Health Issues	Spring	6
EDUP492	Leadership and Management in Physical and Health Education	Spring	6

Plus
Any 6cp elective subject chosen from either the list of electives for the Bachelor of Education (Physical and Health Education), or any Education Key Learning Area or Discipline elective or a subject chosen from those on offer in any other Faculty in which the student's enrolment is accepted.

EDUP313	Advanced Coaching and Administration (Not on offer in 2002)	Not available in 2004	6
EDUP361	Progress and Issues in Health and Health Promotion (Not on offer in 2002)	Not available in 2004	6
EDUP362	Issues in Drug Education	Autumn	6
EDUP363	Stress Management	Spring	6
EDUP381	Outdoor Education	Autumn	6
EDUP382	Leadership and Management Skills in Outdoor Education	Spring	6
EDUP368	Fitness Assessment and Exercise Prescription for Children	Spring	6
EDUP367	Sport Studies II	Spring	6
EDUP366	Independent Project in Physical and Health Education	Autumn and Spring	6
EDUP447	Sport Studies I	Autumn	6

Professional Recognition

The Bachelor of Education (Physical & Health Education) is recognised as a teaching credential in all Australian states and territories.

Bachelor of Education (Physical & Health Education) Honours

Testamur Title of Degree:	Bachelor of Education (Physical & Health Education) Honours
Abbreviation:	BEd(Hons)
Home Faculty:	Education
Duration:	1 year
Total Credit Points:	48cps
Delivery Mode:	Face to face with online support
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Wollongong
UOW Course Code:	872
UAC Code:	-
CRICOS Code:	-

Overview

Students who have achieved a high level of academic performance in the first 3 years of the Bachelor of Education (Physical & Health Education) may complete the fourth year of the Bachelor of Education (Physical & Health Education) at honours level.

The pattern of progression for the Honours degree conforms to the normal pattern of progression for the Pass degree except that in the Honours degree, EDUP366 – Independent Project usually replaces an elective in the third year of the course and EDUP430 – Project in Physical and Health Education replaces two electives in the fourth year.

Bachelor of Mathematics Education

Testamur Title of Degree:	Bachelor of Mathematics Education
Abbreviation:	BMathEd
Home Faculty:	Education
Duration:	4 years full time or part time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face with online support
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Loftus
UOW Course Code:	886
UAC Code:	755102
CRICOS Code:	Not applicable

Overview

The Bachelor of Mathematics Education course is directed towards providing pre-service educational training for teachers. The degree focuses on developing secondary school teachers as critical reflective practitioners with a sound basis of practical teaching skills. In addition, this degree also develops mathematical concepts in a broad range of areas to provide a full

Mathematics major in a specialisation of their choice that can be utilised in other community settings. The degree applies an innovative approach to provide students with both the mathematical knowledge/training and the teaching/educational training in an integrated fashion.
Students accepted into the program will study the following areas:

- Educational Foundation Studies
- Curriculum & Pedagogy
- Discipline Studies in Mathematics
- Teaching & Learning in Mathematics

The degree is structured to allow the integration of university and classroom experience throughout the course. Degree delivery includes lectures, tutorials, seminars and school-based workshops using alternative modes of delivery.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed Mathematics and any two units of English, or equivalent subjects, as part of their HSC or university studies, to gain registration as a teacher.

Course Requirements

Practical Teaching Experience
The course involves a total of 13 weeks of practical teaching experience and observation in secondary schools.

Prohibited Persons Legislation
Teacher education students must complete a "Prohibited Employment Declaration" before undertaking practical teaching experience as required by the Child Protection (Prohibited Employment) Act 1998.

Course Program

Subjects		Session	Credit Points
Year 1 - Autumn Session			
EDUF111	Education I	Autumn	6
MATH121	Discrete Mathematics	Autumn	6
MATH187	Mathematics IA Part A	Autumn	6
STAT131	Understanding Variation & Uncertainty	Autumn	6
Year 1 – Spring Session			
CSCI111	Computer Science	Spring	6
EDUT104	Introduction to Teaching/Learning	Spring	6
MATH111	Applied Mathematical Modelling	Spring	6
MATH188	Mathematics 1A Part B	Spring	6
Year 2 – Autumn			
EDIT102	Information Technology For Learning	Autumn	6
EDUF204	Learners with Special Needs	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6

Plus one 6 credit point 100 level Mathematics/Computing elective subject.

Year 2 – Spring			
EDUF212	Education II	Spring	6
EDUT204	Professional Mathematics Community I	Spring	6
MATH202	Differential Equations 2	Spring	6

Plus one 6 credit point 100 level Mathematics/Computing elective subject.

Year 3 - Autumn			
EDUT301	Research Methods	Autumn	6
INFO101	Secure & Reliable Digital Communications	Autumn	6
MATH203	Linear Algebra	Autumn	6

Plus one 6 credit point 200 level Mathematics/Computing elective subject.

Year 3 - Spring			
EDUT304	Professional Mathematics Community II	Spring	6
EDUL312	Understanding the Literacy Needs of Adolescents	Spring	6
MATH204	Complex & Group Theory	Spring	6

Plus one 6 credit point 200 level Mathematics/Computing elective subject.

Year 4 – Autumn			
EDUP301	Issues in Health and Physical Activity	Autumn	6
EDUT405	Critical Approaches to Curriculum	Autumn	6
Plus two 6 credit point 300 level Computing/Mathematics elective subjects.			
Year 4 – Spring			
EDUT404	Professional Mathematics Community III	Spring	12

Plus two 6 credit point 300 level Computing/Mathematics elective subjects.

Major Study Areas

Mathematics, educational theory and practice.

Professional Recognition

Most states and territories of Australia as well as the UK, Asia and Canada.

Bachelor of Science Education

Testamur Title of Degree:	Bachelor of Science Education
Abbreviation:	BScEd
Home Faculty:	Education
Duration:	4 years full time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face to face with online support
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $6,900 per session
Location:	Loftus Education Centre
UOW Course Code:	887
UAC Code:	755103
CRICOS Code:	Not applicable

Overview

The Bachelor of Science Education course is directed towards providing pre-service educational training for teachers. The degree focuses on developing secondary school teachers as critical reflective practitioners with a sound basis of practical teaching skills. In addition, this degree also develops scientific concepts in a broad range of areas to provide a full Science major in a specialisation of their choice that can be applied in other community settings. The degree applies an innovative approach to provide students with both the scientific knowledge/training and the teaching/educational training in an integrated fashion.

Students accepted into the program will study the following areas:

- Educational Foundation Studies
- Curriculum & Pedagogy
- Discipline Studies in Science
- Teaching & Learning in Science

The degree is structured to allow the integration of university and classroom throughout the course. Degree delivery includes lectures, tutorials, seminars and school-based workshops using alternative modes of delivery.

Entry Requirements / Assumed Knowledge

The New South Wales Department of Education and Training requires graduates seeking employment with the Department to have completed any two units of English, or equivalent subjects, as part of their HSC or university studies, to gain registration as a teacher.

Assumed knowledge – Mathematics (not General Mathematics) and any two units of English.

Recommended studies – Four units of science selected from Chemistry, Physics, Biology or Earth and Environment.

Students with a limited background in these subjects or mathematics are advised to enrol in bridging courses held in February each year.

Course Requirements

Pattern Of Study
In choosing subjects for this degree the following points need to be considered:

1. Students need to complete 12 credit points at the 100 level in three of the four science disciplines on offer in Years 1 & 2. However, students majoring in Physics need to complete 12 credit points at the 100 level in two of the four science disciplines plus 6 credit points at the 100 level in one other science.
2. To teach in NSW Government Schools students need to have completed a minimum of two years in one science (24 credit points) plus one year in a second science (12 credit points), provided that one of the sciences is either Physics or Chemistry.

Practical Teaching Experience
The course involves a total of 13 weeks of practical teaching experience and observation in secondary schools.

Prohibited Persons Legislation
Teacher education students must complete a "Prohibited Employment Declaration" before undertaking practical teaching experience as required by the Child Protection (Prohibited Employment) Act 1998.

Course Program

Subjects (by year)		Session	Credit Points
Year 1 - Autumn			
EDUF111	Education I	Autumn	6
Either			
MATH141	Mathematics 1C Part 1	Autumn	6
Or			
MATH187	Mathematics 1A Part 1	Autumn	6
Students proposing to teach Physics must choose MATH 187.			
Plus two other subject chosen from the following:			
CHEM101	Chemistry 1A: Introduction To Physical and General Chemistry	Autumn	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
Any 100 level subject chosen from those on offer in any Faculty in which the student's enrolment is accepted.			
Year 1 – Spring			
EDUT104	Introduction to Teaching/Learning	Spring	6
SCIE101	Modern Perspectives in Science	Spring	6
Plus two other subjects chosen from the following:			
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Introduction to Organic and Physical Chemistry	Spring	6
Either			
MATH142	Mathematics 1C Part 2	Spring	6
Or			
MATH188	Mathematics 1A Part 2	Spring	6
Any 100 level Science subject chosen from those on offer in any Faculty in which the student's enrolment is accepted.			
Students proposing to teach Physics must choose either MATH142 or MATH188.			
Year 2 – Autumn			
EDUF204	Learners with Special Needs	Autumn	6
EDIT102	Information Technology For Learning	Autumn	6
Plus two other subjects chosen from the following:			
GEOS111	Planet Earth	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
Any 100 level subject chosen from those on offer in any Faculty in which the student's enrolment is accepted.			
Students proposing to teach Physics must choose MATH201.			

Year 2 – Spring

EDUT206	Professional Science Community I	Spring	6
EDUF212	Education II	Spring	6

Plus two other subjects chosen from the following:

GEOS102	Earth, Environments and Resources	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
MATH202	Differential Equations 2	Spring	6

Any 100 level subject chosen from those on offer in any Faculty in which the student's enrolment is accepted.

Students proposing to teach Physics must choose MATH202.

Year 3 - Autumn

EDUT301	Research Methods	Autumn	6

Plus either a 200/300 level Elective Studies subject chosen from those offered in the Bachelor of Teaching (Primary Education) or MATH203. Students proposing to teach Physics nust choose MATH203.

Plus two 6 credit point 200 level Science elective subjects.

Year 3 - Spring

EDUT306	Professional Science Community II	Spring	6
EDUL312	Understanding the Literacy Needs of Adolescents	Spring	6

Plus two 6 credit point 200 level Science elective subjects.

Year 4 – Autumn

EDUP301	Issues in Health and Physical Activity	Autumn	6
EDUT405	Critical Approaches to Curriculum	Autumn	6

Plus two 6 credit point 300 level Science elective subjects.

Year 4 – Spring

EDUT406	Professional Science Community III	Spring	12

Plus two 6 credit point 300 level Science elective subjects.

Major Study Areas

Education theory and practice, science.

Professional Recognition

Most states and territories of Australia as well as UK, Asia and Canada.

Faculty of Engineering

Member Units

School of Civil, Mining and Environmental Engineering
School of Engineering Physics
School of Mechanical, Materials and Mechatronic Engineering

Degrees Offered

Single Degrees

Bachelor of Engineering
Bachelor of Medical Radiation Physics
Bachelor of Science (Materials)
Bachelor of Science (Photonics)
Bachelor of Science (Physics)
Bachelor of Science Advanced (Honours) - Physics

Double Degrees

Bachelor of Engineering - Bachelor of Arts
Bachelor of Engineering - Bachelor of Commerce
Bachelor of Engineering - Bachelor of Computer Science
Bachelor of Engineering - Bachelor of Mathematics
Bachelor of Engineering - Bachelor of Science
Bachelor of Engineering (Mechanical or Mechatronics) – Bachelor of Science (Exercise Science)
Bachelor of Engineering - Bachelor of Laws
Bachelor of Science (Physics) - Bachelor of Mathematics

Refer to the Faculty of Science for the following double degrees:

Bachelor of Arts – Bachelor of Science (Physics)
Bachelor of Commerce – Bachelor of Science (Physics)

Refer to the Faculty of Creative Arts for the following double degree:

Bachelor of Creative Arts – Bachelor of Science (Physics)

Refer to the Faculty of Law for the following double degree:

Bachelor of Law – Bachelor of Science (Physics)

Refer to the Faculty of Informatics for the following double degree:

Bachelor of Engineering (Computer, Electrical or Telecommunications) – Bachelor of Science (Physics)

Bachelor of Engineering

The Bachelor of Engineering is available in the following disciplines:

Civil Engineering
Environmental Engineering
Materials Engineering
Mechanical Engineering
Mechatronic Engineering
Mining Engineering

Course Requirements

The normal full time load for a Bachelor of Engineering is 48 credit points per year and, apart from thesis and professional experience subjects, all subjects have a credit point value of 6. All students must complete the required number of credit points and satisfy all course requirements for a degree or double degree before to graduation – refer to course structures below.

The Bachelor of Engineering normally takes four years to complete, with double majors and double degrees normally taking five years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

Full-time Bachelor of Engineering students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between the third and fourth years.

Each student must prepare a substantial project (thesis) on a research or design topic under the supervision of an academic staff member. There are two thesis options – ENGG452 Thesis
A (12 credit points) and ENGG453 Thesis B (18 credit points). Students who elect to undertake the 12 credit point thesis will be required to complete an additional 6 credit point elective subject.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Explicit details will be provided to students at the commencement of each subject by the subject coordinator.

Students should attend all classes including lectures, tutorials and laboratory classes.

Scholars Program

Students require a UAI of 93 to enter the Scholars Program in first year. Once accepted to the program students need to achieve a Weighted Average Mark (WAM) of at least 75 each year to maintain a place. Current students can apply for a course transfer to this program after completion of a minimum of 48 credit points. Scholars Program students must complete all requirements for their respective degrees.

Engineering Scholars Program students have the option of undertaking research projects with the various Faculty Research Units. Students should discuss proposals with the Sub Dean or Discipline Adviser before enrolling in any of the following six credit point elective subjects:

ENGG171 Scholars Research Project 1
ENGG271 Scholars Research Project 2
ENGG371 Scholars Research Project 3

Professional Options

The Faculty encourages the development of engineering skills and knowledge gained in the workplace through Professional Options. Students who work in appropriate industries can enrol in Professional Option subjects and count their industry skills and knowledge toward their degree.

Depending on the degree, and subject to approval by the Discipline Adviser, students will be able to take two or three of the following six credit point Professional Option subjects during their course:

ENGG255 Professional Option 2
ENGG355 Professional Option 3
ENGG455 Professional Option 4

Honours

Honours are awarded at the end of the course on the basis of overall performance throughout the course.

Advanced Standing

Applicants holding relevant TAFE Diplomas and Advanced Diplomas with a consistently good performance will normally be granted 48 credit points (one year) of advanced standing. Students are advised to take the maximum number of mathematics and science units available in their TAFE course. Credit may also be given for appropriate work experience or for courses completed in the workplace.

Professional Recognition

The Engineering degrees have been fully recognised by Engineers Australia. This recognition ensures that graduates from these course are admitted, on application, to the grade of Graduate Membership of Engineers Australia.

Study Options – double majors

A number of double engineering majors are available:
Bachelor of Engineering – Civil/Mining
Bachelor of Engineering – Civil/Environmental
Bachelor of Engineering – Mining/Environmental
These programs of study usually take five years to complete. Students may apply to transfer to a double major at the end of the first year of study. Study programs are detailed in the following pages.

Study Options – double degrees

A number of double degrees are offered by the Faculty of Engineering:

- Bachelor of Engineering – Bachelor of Arts
- Bachelor of Engineering – Bachelor of Commerce
- Bachelor of Engineering – Bachelor of Computer Science
- Bachelor of Engineering – Bachelor of Mathematics
- Bachelor of Engineering – Bachelor of Science
- Bachelor of Engineering (Mechanical or Mechatronics) – Bachelor of Science (Exercise Science)
- Bachelor of Science (Physics) – Bachelor of Mathematics

Requirements for each of the double degrees are outlined in the following pages.

Further Studies Options

Graduates can apply for entry to the Master of Engineering Practice, Master of Engineering-Research or PhD. Continual education is a requirement for registration as a professional engineer and most engineers undertake further study and/or short courses. Research opportunities are also available.

Bachelor of Engineering (Civil Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Civil Engineering)
Abbreviation:	BE
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	721
UAC Code:	755611
CRICOS Code:	027466K

Overview

The Civil Engineering course aims to provide students with broad-based knowledge, training, skills and experience in areas required for practice in civil engineering. Upon satisfactory completion of the course students should be able to practise in areas requiring skills for planning, design and construction of buildings and bridges, dams, harbours, water supply systems, waste management systems, airports, roads, tunnels and railways. Graduates, therefore, will be able to integrate technical, planning, organisational, management and financial skills, with an emphasis on those areas as their talents allow.

Study Options

The degree can be combined with Environmental or Mining Engineering in second year. Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
CIVL196	Engineering Computing 1	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG153	Engineering Materials	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2		**Session**	**Credit Points**
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
CIVL245	Construction Materials	Spring	6
CIVL272	Surveying	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
EESC252	Geology for Engineers 1	Spring	6
Year 3		**Session**	**Credit Points**
CIVL311	Structural Design 1	Autumn	6
CIVL352	Structures 1	Autumn	6
CIVL361	Geomechanics 1	Autumn	6
CIVL392	Engineering Computing 2	Autumn	6
CIVL314	Structural Design 2	Spring	6
CIVL322	Hydraulics and Hydrology	Spring	6
CIVL394	Construction	Spring	6
ENGG361	Engineering Management	Spring	6
Year 4		**Session**	**Credit Points**
CIVL462	Geomechanics 2	Autumn	6
CIVL489	Roads Engineering	Autumn	6
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
CIVL444	Civil Engineering Design	Spring	6
CIVL454	Structures 2	Spring	6
ENGG452*	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0
Electives listed below**			**Credit Points**
CIVL415	Structural Design 3		6
CIVL457	Structures 3		6
CIVL463	Geomechanics 3		6
CIVL487	Traffic Engineering		6
CIVL491	Engineering Computing 3		6
CIVL495	Public Health Engineering		6
ECON101	Macroeconomic Essentials for Business		6
ECON111	Introductory Microeconomics		6
ECON215	Microeconomic Theory and Policy		6
GEOS231	Environmental Input of Societies		6
GEOS239	Remote Sensing of the Environment		6
GEOS242	Living in Cities		6
EESC254	Geology for Engineers 11		6
MINE311	Surface Mining and Blasting		6

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.

** Electives may not be available every year – check subject timetable.

Bachelor of Engineering (Environmental Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Environmental Engineering)
Abbreviation:	BE
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	733
UAC Code:	755612
CRICOS Code:	027466K

Overview

The Environmental Engineering course aims to provide students with broad based knowledge, training, skills and experience in areas required for practice in environmental engineering.

Study Options

The degree can be combined with Civil or Mining Engineering in second year. Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
CIVL196	Engineering Computing 1	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG153	Engineering Materials	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
CIVL272	Surveying	Spring	6
ENVE220	Water Quality Engineering	Spring	6
ENVE221	Air and Noise Pollution	Spring	6
Year 3			
BIOL352	Biology for Environmental Engineers	Autumn	6
CIVL361	Geomechanics 1	Autumn	6
ENVE320	Environmental Engineering Design 1	Autumn	6
plus	1 elective	Autumn	6
CIVL322	Hydraulics and Hydrology	Spring	6
ENGG361	Engineering Management	Spring	6
ENVE311	Pollution Control and Cleaner Production	Spring	6
ENVE321	Solid and Hazardous Waste Management	Spring	6
Year 4			
CIVL462	Geomechanics 2	Autumn	6
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
ENVE410	Site Remediation	Spring	6
ENVE421	Environmental Design 2	Spring	6
ENGG452*	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0
plus	2 electives	Aut/Spr	12

Electives listed below**

ACCY100	Accounting 1A	6
CIVL392	Engineering Computing 2	6
CIVL394	Construction	6
CIVL463	Geomechanics 3	6
CIVL487	Traffic Engineering	6
CIVL489	Roads Engineering	6
ECON101	Macroeconomic Essentials for Business	6
ECON111	Introductory Microeconomics	6
ENVE420	Water Engineering	6
ENVE422	Membrane Science and Technology	6
GEOS231	Environmental Impact of Societies	6
GEOS239	Remote Sensing of the Environment	6
GEOS251	Geology for Engineers 1	6
LAW100	Law in Society	6
LAW210	Contract Law	6
LAW334	Environmental Law	6
MECH341	Thermodynamics	6
MECH343	Heat Transfer and Gas Dynamics	6
MECH378	Sustainable Energy Technologies	6
MECH417	Biomedical Engineering	6
MECH438	Sustainable Transport and Engine Technologies	6
MECH474	Systems Engineering and Life Cycle Management	6
STS216	Environment and Technology	6
STS306	Special Topics on the Social and Policy Aspects of Engineering	6
STS376	The Politics of Risk	6

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.
** Electives may not be available every year – check subject timetable. Students are encouraged to take MECH378 as the third year elective and ENVE420 as one of the fourth year electives.

Bachelor of Engineering (Materials Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Materials Engineering)
Abbreviation:	BE
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	732
UAC Code:	755613
CRICOS Code:	027466K

Overview

The objective of the Materials Engineering course is to provide students with the knowledge and skills necessary for the design, development, production and application of engineering materials for gainful use by society. This objective is achieved through detailed study of the relationships between the structure, processing and properties of materials. The course is also designed to provide training in effective communication, management and teamwork skills, and the environmental sensitivity required of modern engineers.

Study Options

In the final year, students can choose a series of elective subjects from a number of specialist areas: Materials Science and Technology, Metallurgical Processing or Materials Manufacturing. Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG153	Engineering Materials	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
MATE201	Structure and Properties of Materials	Autumn	6
MATE202	Thermodynamics and Phase Equilibria	Autumn	6
MATE291	Engineering Computing and Laboratory Skills	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
MATE203	Phase Transformations	Spring	6
MATE204	Mechanical Behaviour and Fracture	Spring	6
MATE304	Transport Phenomena in Materials Processing	Spring	6
Year 3			
ENGG251	Mechanics of Solids	Autumn	6
MATE301	Engineering Alloys	Autumn	6
MATE302	Polymeric Materials	Autumn	6
MATE391	Materials Testing Techniques	Autumn	6
ENGG361	Engineering Management	Spring	6
MATE303	Ceramics, Glass and Refractories	Spring	6
MATE305	Primary Materials Processing	Spring	6
MATE306	Degradation of Engineering Materials	Spring	6
Year 4			
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
MATE401	Selection of Materials in Engineering Design	Autumn	6
MATE402	Secondary Materials Processing	Spring	6
ENGG452*	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0
plus	3 electives	Aut/Spr	18
Electives listed below**			
Materials Science and Technology			
MATE411	Advanced Materials and Processing		6
MATE412	Electronic Materials		6
MATE413	Structural Characterisation Techniques		6
MATE433	Surface Engineering		6
Metallurgical Processing			
MINE421	Minerals Beneficiation		6
MATE421	Metallurgical Process Engineering		6
MATE422	Iron and Steelmaking		6
MATE432	Mechanical and Thermal Processing		6
Materials Manufacturing			
ENGG434	Introduction to Materials Welding and Joining		6
MATE431	Sheet Metal Processing		6
MATE432	Mechanical and Thermal Processing		6
MATE433	Surface Engineering		6

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.
** Electives may not be available every year – check subject timetable.

Bachelor of Engineering (Mechanical Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mechanical Engineering)
Abbreviation:	BE
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	723
UAC Code:	755614
CRICOS Code:	027466K

Overview

The aim of this course is to give high quality academic training in mechanical engineering and to produce graduates with the core skills, knowledge and attributes required to practice as professional engineers. These required graduate skills/attributes are transferable to a wide range of careers and include: ability to formulate and solve problems; a creative approach to design and synthesis; excellent oral and written communication skills; ability to work effectively in teams; appreciation of the environmental, social and business contexts of Mechanical Engineering; independent and self-motivated approach; understanding and commitment to lifelong learning; and in-depth technical competence in the Mechanical Engineering discipline.

Study Options

Students can select electives from a number of specialist areas in their final year including, Sustainable Energy and Engineering Systems, Manufacturing Engineering, Applied Mechanics and Bulk Materials Handling. The list of electives on offer in any one year varies somewhat, depending on staff availability and other factors. Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
MECH152	Engineering Computing, Instrumentation and Workshop Practice	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG153	Engineering Materials	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
MECH201	Engineering Analysis	Spring	6
MECH215	Fundamentals of Machine Component Design	Spring	6
MECH226	Machine Dynamics	Spring	6
Year 3			
MECH311	Mechanical Engineering Design	Autumn	6
MECH321	Dynamics of Engineering Systems	Autumn	6
MECH341	Thermodynamics	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
ENGG361	Engineering Management	Spring	6
MECH343	Heat Transfer and Aerodynamics	Spring	6
MECH365	Control of Machines and Processes	Spring	6
MECH372	Solids Handling and Process Engineering	Spring	6

Year 4

ENGG461	Project Management and Human Factors in Engineering	Autumn	6
ENGG452*	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0
plus	5 electives	Aut/Spr	30

Electives**

Sustainable Energy and Engineering Systems

MECH378	Sustainable Energy Technologies	6
MECH442	Sustainable Energy in Buildings	6
MECH474	Systems Engineering and Life Cycle Management	6
MECH479	Sustainable Transport and Engine Technologies	6

Applied Mechanics

MECH417	Biomedical Engineering	6
MECH418	Mechanical Behaviour of Engineering Materials	6
MECH419	Finite Element Methods in Engineering	6
MECH420	Engineering Stress Analysis	6
MECH430	Automotive Dynamics	6
MECH431	Computational Fluid Dynamics	6
MECH438	Fluid Power	6

Bulk Materials Handling

MECH426	Storage and Flow of Bulk Solids	6
MECH427	Mechanical Conveying of Bulk Solids	6
MECH428	Pneumatic Conveying and Dust Control	6
MECH429	Physical Processing of Bulk Solids	6

Manufacturing

MECH421	Manufacturing Process Analysis	6
MECH422	Design and Analysis of Manufacturing Systems	6
MECH423	Design for Manufacturing	6
MECH424	Managing Manufacturing Activities	6
MECH468	Computer Control of Machines and Processes	6
MECH481	Materials Welding and Joining (special topics in Mechanical Engineering 1)	6
MECH487	Systems Analysis for Maintenance Management	6
MECH488	Introduction to Condition Monitoring in Mechanical Engineering	6
MECH489	Maintenance Management	6
ECTE494	Robotics	6

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.
** Not all electives may be available each year – check subject timetable. Electives may be taken in other departments, subject to written approval by the Discipline Adviser (maximum of two for full-time and one for part-time students).

Bachelor of Engineering (Mechatronics)

Testamur Title of Degree:	Bachelor of Engineering (Mechatronic Engineering)
Abbreviation:	BE
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	759
UAC Code:	755616
CRICOS Code:	027466K

Overview

Mechatronics is the combination of Mechanical, Electrical and Computer technologies. It is a relatively new field of engineering with many exciting developments such as internet control of machines, autonomous robots and engine management systems. In addition, the aim of the program is to produce graduates with the core skills, knowledge and attributes that will help them excel as professional engineers. These skills and attributes include: the ability to formulate and solve problems; a creative

approach to design and synthesis; excellent oral and written communication skills; ability to work effectively in teams; appreciation of the environmental, social and business contexts of Engineering; independent and self-motivated approach; understanding and commitment to lifelong learning; and in-depth technical competence in the field of Mechatronic Engineering.

Study Options

Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CSCI1114	Procedural Programming	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ECTE101	Electrical Engineering 1	Spring	6
ENGG152	Engineering Mechanics	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ENGG153	Engineering Materials	Spring	6
ECTE212	Electronics and Communications	Spring	6
MECH215	Fundamentals of Machine Component Design	Spring	6
MECH266	Machine Dynamics	Spring	6
Year 3			
ECTE313	Electronics	Annual	6
ECTE371	Mechatronics Design	Annual	6
ECTE344	Control Theory	Autumn	6
MECH311	Mechanical Engineering Design	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
ECTE333	Digital Hardware 2	Spring	6
plus	1 elective	Spring	6
Year 4			
ECTE323	Power Engineering 2	Autumn	6
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
MECH440	Fluid and Heat Transfer	Autumn	6
ECTE494	Robotics	Spring	6
ENGG452*	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
or			
ECTE457	Thesis	Annual	18
ENGG454	Professional Experience		0
Plus	2 electives**	Spring	12

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.
**Electives are chosen from the list of electives on offer in the Faculties of Engineering and Informatics. The final year study program is to be determined in consultation with the Discipline Adviser.

Bachelor of Engineering (Mining Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mining Engineering)
Abbreviation:	BE (Mine)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	724
UAC Code:	755615
CRICOS Code:	027466K

Overview

The Mining Engineering course aims to provide students with broad-based knowledge, training, skills and experience in areas required for practice in mining engineering. Upon satisfactory completion of the course students should be able to practice in areas requiring skills for mine planning and design, rock excavation, water and gas drainage and mine environment control. Graduates therefore, will be able to integrate technical, planning, organisational, management and financial skills with an emphasis on those areas as their talents allow.

Study Options

The degree can be combined with Environmental or Civil Engineering in second year. Double degrees are also available.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
CIVL196	Engineering Computing 1	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG153	Engineering Materials	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
MINE221	Underground Coal Mining	Autumn	6
CIVL272	Surveying	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
GEOS251	Geology for Engineers 1	Spring	6
Year 3			
CIVL361	Geomechanics 1	Autumn	6
MINE312	Mine Ventilation	Autumn	6
plus	1 elective	Autumn	6
MINE311	Surface Mining and Blasting	Spring	6
ENGG361	Engineering Management	Spring	6
EESC252	Geology for Engineers 2	Spring	6
MINE321	Underground Metal Mining	Spring	6
MINE323	Mining Geomechanics	Spring	6
Year 4			
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
MINE411	Health and Safety in Mines	Autumn	6
MINE421	Minerals Beneficiation	Autumn	6
MINE412	Mining Economics	Spring	6
MINE422	Mine Planning and Development	Spring	6
plus	1 elective	Spring	6
ENGG452*	Thesis A	Annual	12
or			

ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0
Electives listed below**			
CIVL392	Engineering Computing 2		6
ECON101	Macroeconomic Essentials for Business		6
ECON111	Introductory Microeconomics		6
ECON215	Microeconomic Theory and Policy		6
EESC306	Resources and Environment		6
MINE431	Mine Water		6
MINE433	Geostatistical Ore Reserve Estimation		6
MINE434	Special Topics in Mining Engineering		6
MINE438	Environmental Impact of Minerals Operation		6

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.
** Electives may not be available every year – check subject timetable.

Bachelor of Engineering (Civil and Mining Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Civil and Mining Engineering)
Abbreviation:	BE
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	246
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	Entry Year 2 and 65+ WAM
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	726
UAC Code:	NA
CRICOS Code:	006984F

Overview

Refer to the descriptions for both the Civil and Mining Engineering programs above.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
CIVL196	Engineering Computing 1	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG153	Engineering Materials	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
MINE221	Underground Coal Mining	Autumn	6
CIVL245	Construction Materials	Spring	6
CIVL272	Surveying	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
EESC252	Geology for Engineers 1	Spring	6
Year 3			
CIVL361	Geomechanics 1	Autumn	6
CIVL392	Engineering Computing 2	Autumn	6
MINE312	Mine Ventilation	Autumn	6
CIVL394	Construction	Spring	6
EESC254	Geology for Engineers 2	Spring	6

ENGG361	Engineering Management	Spring	6
MINE311	Surface Mining and Blasting	Spring	6
Year 4			
CIVL311	Structural Design 1	Autumn	6
CIVL352	Structures 1	Autumn	6
MINE411	Health and Safety in Mines	Autumn	6
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
CIVL314	Structural Design 2	Spring	6
CIVL322	Hydraulics and Hydrology	Spring	6
MINE412	Mining Economics	Spring	6
MINE421	Minerals Beneficiation	Spring	6
Year 5			
CIVL462	Geomechanics 2	Autumn	6
CIVL489	Roads Engineering	Autumn	6
CIVL444	Civil Engineering Design	Spring	6
CIVL454	Structures 2	Spring	6
MINE422	Mine Planning and Development	Spring	6
ENGG452*	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.

Bachelor of Engineering (Civil and Environmental Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Civil and Environmental Engineering)
Abbreviation:	BE
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	246
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	Entry Year 2 and 65+ WAM
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	721A
UAC Code:	NA
CRICOS Code:	006984F

Overview

Refer to the descriptions for both the Civil and Environmental Engineering programs above.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
CIVL196	Engineering Computing 1	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG153	Engineering Materials	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
CIVL245	Construction Materials	Spring	6
CIVL272	Surveying	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
EESC252	Geology for Engineers 1	Spring	6

ENVE220	Water Quality Engineering	Spring	6
Year 3			
CIVL361	Geomechanics 1	Autumn	6
CIVL392	Engineering Computing 2	Autumn	6
BIOL352	Biology for Environmental Engineers	Autumn	6
ENVE311	Pollution Control and Cleaner Production	Autumn	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
CIVL394	Construction	Spring	6
ENVE221	Air and Noise Pollution	Spring	6
ENGG361	Engineering Management	Spring	6
Year 4			
CIVL311	Structural Design 1	Autumn	6
CIVL352	Structures 1	Autumn	6
ENVE320	Environmental Engineering Design 1	Autumn	6
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
CIVL314	Structural Design 2	Spring	6
CIVL322	Hydraulics and Hydrology	Spring	6
ENVE321	Solid and Hazardous Waste Management	Spring	6
Year 5			
CIVL489	Roads Engineering	Autumn	6
CIVL454	Structures 2	Autumn	6
CIVL444	Civil Engineering Design	Spring	6
CIVL462	Geomechanics 2	Spring	6
ENVE410	Site Remediation	Spring	6
ENVE421	Environmental Design 2	Spring	6
ENGG452*	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.

Bachelor of Engineering (Mining and Environmental Engineering)

Testamur Title of Degree:	Bachelor of Engineering (Mining and Environmental Engineering)
Abbreviation:	BE
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	246
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	Entry Year 2 and 65+ WAM
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	724A
UAC Code:	NA
CRICOS Code:	006984F

Overview

Refer to the descriptions for both the Environmental and Mining Engineering programs above.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
CIVL196	Engineering Computing 1	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG153	Engineering Materials	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6

Year 2			
ENGG251	Mechanics of Solids	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
ENVE220	Water Quality Engineering	Spring	6
GEOS251	Geology for Engineers 1	Spring	6
MINE221	Underground Coal Mining	Spring	6
Year 3			
CIVL361	Geomechanics 1	Autumn	6
CIVL392	Engineering Computing 2	Autumn	6
BIOL352	Biology for Environmental Engineers	Autumn	6
ENVE311	Pollution Control and Cleaner Production	Autumn	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
CIVL272	Surveying	Spring	6
ENVE221	Air and Noise Pollution	Spring	6
GEOS252	Geology for Engineers 2	Spring	6
Year 4			
ENVE320	Environmental Engineering Design 1	Autumn	6
MINE311	Surface Mining and Blasting	Autumn	6
MINE411	Health and Safety in Mines	Autumn	6
ENGG361	Engineering Management	Spring	6
ENVE321	Solid and Hazardous Waste Management	Spring	6
CIVL322	Hydraulics and Hydrology	Spring	6
MINE321	Underground Metal Mining	Spring	6
MINE323	Mining Geomechanics	Spring	6
Year 5			
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
MINE312	Mine Ventilation	Autumn	6
MINE421	Minerals Beneficiation	Autumn	6
ENVE410	Site Remediation	Spring	6
ENVE421	Environmental Design 2	Spring	6
MINE412	Mining Economics	Spring	6
MINE422	Mine Planning and Development	Spring	6
ENGG452*	Thesis A	Annual	12
Or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.

Bachelor of Medical Radiation Physics

Testamur Title of Degree:	Bachelor of Medical Radiation Physics
Abbreviation:	BMedRadPhys
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
Approx. UAI Entry:	85
Assumed Knowledge:	Any two units of English plus Physics and Mathematics
Recommended Studies:	English Advanced, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	784
UAC Code:	757616
CRICOS Code:	032584F

Overview

The Bachelor of Medical Radiation Physics degree is designed to produce graduates (with a strong background in physics) with the specialist skills in Medical Radiation Physics necessary to find employment in hospitals, research or industry.

Students will gain knowledge in areas relating to nuclear medicine, radiation physics, detector and instrumentation physics and data analysis. Graduates working in the area require both a theoretical background and practical skills in physics with an emphasis on advanced knowledge and practice in specialist areas applicable to medical physics.

Professional medical physicists from major hospitals in the State will deliver key lectures and practical work as well as co-supervising thesis work. Students will find that they will move easily into employment and/or postgraduate work in this specialised area.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structure below. The Bachelor of Medical Radiation Physics normally takes four years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

This four-year degree will be awarded at either Pass or Honours level, depending on the student's performance throughout the degree.

Professional Recognition

The Bachelor of Medical Radiation Physics degree conforms to the requirements for membership of the Australian Institute of Physics.

Course Program

Subject		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
BMS112	Human Physiology	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
plus	2 electives		12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH253	Linear Algebra	Autumn	4
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH291	Differential Equations	Spring	3
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS255	Radiation Physics	Spring	6
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS365	Detection of Radiation: Neutrons, Electrons and X-Rays	Autumn	6
PHYS366	Physics of Radiotherapy	Autumn	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS396	Electronic Materials	Spring	6
plus	1 elective		6
Year 4			
PHYS451	Nuclear Medicine	Annual	8
PHYS452	Medical Imaging	Annual	8
PHYS453	Radiobiology and Radiation Protection	Spring	8
PHYS457	Research Project	Aut/Spr	24

Bachelor of Science (Materials)

Testamur Title of Degree:	Bachelor of Science (Materials)
Abbreviation:	BSc
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	75
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757
UAC Code:	757636
CRICOS Code:	031274F

Overview

The objective of the Materials Science course is to provide the scientific knowledge and technical skills necessary for a successful materials based career in areas such as quality control and laboratory testing, materials process control, and research and development in government and private sector laboratories. It also provides an ideal basis for those who wish to pursue a career in secondary teaching. The core materials subjects involve detailed study of the structure of properties of metals, ceramics and polymers.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structures below. The Bachelor of Science (Materials) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Study Options

Electives in second and third years are normally selected to provide a coherent minor in a particular field, eg. Materials, Chemistry, Science and Technology Studies or Engineering. Suggested elective programs are listed below. Students should consult their Course Adviser when choosing elective subjects.

Honours

Students with a good academic record are encouraged to proceed to an Honours year, a fourth year of study providing training in independent research.

Advanced Standing

Applicants holding relevant TAFE Diplomas and Advanced Diplomas with a consistently good performance will normally be granted 48 credit points (one year) of advanced standing.
Students are advised to take the maximum number of mathematics and science units available in their TAFE course.

Further Studies Options

Graduates can apply for entry to Honours in Materials or Master of Science – Research.

Course Program

Subject		Session	Credit Points
Year 1			
CHEM101	Chemistry 1A	Autumn	6
ENGG154	Engineering Innovation and Design	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
CHEM102	Chemistry 1B	Spring	6
ENGG153	Engineering Materials	Spring	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6

Year 2			
MATE201	Structure and Properties of Materials	Autumn	6
MATE202	Thermodynamics and Phase Equilibria	Autumn	6
MATE291	Engineering Computing and Laboratory Skills	Autumn	6
MATE203	Phase Transformation	Spring	6
MATE204	Mechanical Behaviour	Spring	6
plus	3 electives		18
Year 3			
MATE301	Engineering Alloys	Autumn	6
MATE302	Polymeric Materials	Autumn	6
MATE391	Materials Testing	Autumn	6
MATE303	Ceramics, Glass and Refractories	Spring	6
plus	3 electives		18
Year 4 (Honours)			
MATE406	Research Project	Annual	24
plus	4 electives		
Materials Electives			
MATE411	Advanced Materials and Processing		6
MATE412	Electronic Materials		6
MATE305	Primary Materials Processing		6
MATE402	Secondary Materials Processing		6
MATE413	Structural Characterisation Techniques		6
Chemistry Electives			
CHEM211	Inorganic Chemistry II		6
CHEM212	Organic Chemistry II		6
CHEM314	Instrumental Analysis		8
CHEM213	Molecular Structure, Reactivity and Change		6
CHEM214	Analytical and Environmental Chemistry		6
CHEM311	Inorganic Chemistry III		8
CHEM321	Organic Synthesis and Reactivity		8
Science and Technology Studies Electives			
STS100	Social Aspects of Science and Technology		6
STS215	Globalisation: Science, Technology and Progress		6
STS112	The Scientific Revolution: History, Philosophy and Politics of Science 1		6
STS376	Risk Assessment, Health and Safety		6
STS216	Environment in Crisis: Technology and Society		6
STS229	Scientific and Technological Controversy		6

Bachelor of Science (Photonics)

Testamur Title of Degree:	Bachelor of Science (Photonics)
Abbreviation:	BSc (Photonics)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757
UAC Code:	757577
CRICOS Code:	031274F

Overview

Photonics is a rapidly developing area associated with the development of detectors, light sources and optical fibres to support research and development in a wide range of industries including optoelectronics, telecommunications and defence. This degree provides students with training, which combines skills in experimental and theoretical physics and electronics with a strong background in optics, electronics and computing necessary to begin a career in the photonics industry. It is structured around the existing core of Physics subjects.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structures below.
The Bachelor of Science (Photonics) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

Students with a good academic record are encouraged to proceed to an Honours year, a fourth year of study providing training in independent research.

Physics Course Program – 90cp

Subject		Session	Credit Points
Year 1			
CHEM103	Introductory Chemistry*	Autumn	6
CSCI114	Procedural Programming*	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
ECTE101	Electrical Engineering 1	Spring	6
ECTE196	Internet Technology*	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
* example electives			
Year 2			
MATH203	Linear Algebra	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
MATH201	Multivariate and Vector Calculus	Spring	6
MATH291	Differential Equations	Spring	3
MATH293	Complex Variables	Spring	4
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS262	Vibrations and Waves	Spring	3
PHYS263	Photonics and Communication	Annual	6
Year 3			
ECTE364	Telecommunications Networks 1	Autumn	6
PHYS305	Quantum Mechanics	Autumn	6
PHYS306	Project in Physics	Aut/Spr	6
PHYS325	Electromagnetism	Autumn	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
ECTE381	Internet Engineering	TBA	6
PHYS356	Physics of Detectors and Imaging	TBA	6

Bachelor of Science Advanced (Honours) - Physics

Testamur Title of Degree:	Bachelor of Science (Honours) Advanced Program - Physics
Abbreviation:	BSc (Hons) (Physics)
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	1192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	95
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757A
UAC Code:	757602
CRICOS Code:	031275E

Overview

The Advanced Program, designed specifically for high achieving students, offers direct entry into Honours, unlike the normal BSc which delays selection for Honours until the completion of the third year. It offers a greater degree of flexibility in program design through the possibility of exemptions from some first year subjects; direct entry into some 200 level subjects; the opportunity to undertake individual research subjects at second, third and fourth year level; the opportunity to progress at a faster rate through the use of “fast-tracking” mechanisms; the chance to participate in various enrichment activities and to develop a close association with an appropriate member of one of the Faculty’s research teams. In the final year, all students undertake a substantial piece of supervised research in their major discipline together with other required seminar and/or coursework.

Study programs are structured on an individual basis in consultation with the Discipline Adviser. Students are required to fulfil all the normal BSc and Honours requirements and may select their major study program from any of those available from Physics.

Bachelor of Science (Physics)

Testamur Title of Degree:	Bachelor of Science (Physics)
Abbreviation:	BSc (Physics)
Home Faculty:	Faculty of Engineering
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	75
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	757
UAC Code:	757637
CRICOS Code:	031274F

Overview

Physics, as one of the fundamental sciences, provides the basis for making, interpreting and extending observations relating to the behaviour and structure of matter. Physics is fundamental to the study of all sciences and has a key role to play in generating and supporting new technologies. Students majoring in Physics study mechanics, thermodynamics, electricity and magnetism, vibrations, waves, optics, modern, quantum and statistical mechanics, complemented by a number of advanced mathematics subjects.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the degree – refer to course structures below. The Bachelor of Science (Physics) normally takes three years to complete. All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Study Options

Two major programs in Physics are offered:

i. Basic Major Program in Physics – a basic Physics program, designed with a minimum of compulsory subjects for combining with an array of elective subjects or a second major in another discipline.
ii. Full Major Program – a full Physics program for students planning to undertake Honours and to pursue a career as a professional physicist.

The two programs are outlined below.

Honours

Students with a good academic record are encouraged to proceed to Honours year, a fourth year of study providing training in independent research.

Professional Recognition

The Bachelor of Science (Physics) degree conforms to the requirements for membership of the Australian Institute of Physics.

Basic Major Program in Physics – 90cp

Subject		Session	Credit Points
Year 1			
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals Physics B	Spring	6
Plus 4 electives			
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH253	Linear Algebra	Autumn	4
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH291	Differential Equations	Spring	3
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
Plus 1 elective			
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
Plus two of the following subjects:			
PHYS335	Classical Mechanics	Autumn	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS390	Astrophysics	Spring	6
PHYS396	Electronic Materials	Spring	6
Plus additional 12 cp of subjects taken from the Science or Engineering Schedules.			

Full Major Program in Physics – 108cp

Subject		Session	Credit Points
Year 1			
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals Physics A	Autumn	6
MATH142	Mathematics 1C Part 2	Spring	6
or			
PHYS142	Fundamentals Physics B	Spring	6
Plus 4 electives			
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH253	Linear Algebra	Autumn	4
PHYS205	Advanced Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
MATH291	Differential Equations	Spring	3
MATH293	Complex Variables	Spring	4
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS295	Astronomy – Concepts of the Universe	Spring	6
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS335	Classical Mechanics	Autumn	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS390	Astrophysics	Spring	6
PHYS396	Electronic Materials	Spring	6

Physics Electives

Subject		Session	Credit Points
Year 1			
PHYS131	Physics for the Environmental and Life Sciences A	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
PHYS132	Physics for the Environmental and Life Sciences B	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
PHYS143	Physics for Engineers	Spring	6

Year 2			
PHYS205	Modern Physics	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
PHYS206	Project in Physics	Aut/Spr	6
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
PHYS255	Radiation Physics	Spring	6
PHYS295	Astronomy - Concepts of the Universe	Spring	6
Year 3			
PHYS305	Quantum Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
PHYS335	Classical Mechanics	Autumn	6
PHYS365	Detection of Radiation: Neutrons, Electrons and X Rays	Autumn	6
PHYS306	Project in Physics	Aut/Spr	6
PHYS375	Nuclear Physics	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS390	Astrophysics	Spring	6
PHYS396	Electronic Materials	Spring	6
Year 4			
PHYS405	Honours in Physics	Annual	48
PHYS444	Quantum Mechanics	Annual	8
PHYS446	Solid State Physics	Annual	8
PHYS451	Nuclear Medicine	Annual	8
PHYS452	Medical Imaging	Annual	8
PHYS456	Imaging Physics	Annual	8
PHYS401	Theoretical Mechanics and Electromagnetism	Autumn	8
PHYS457	Research Project	Aut/Spr	24
PHYS441	Astro- and Nuclear Physics	Spring	8
PHYS453	Radiobiology and Radiation Protection	Spring	8

Physics Electives

Subjects offered by non-member Departments of the Faculty of Engineering toward the Physics Program:

CSCI103	Algorithims and Problem Solving	6
CSCI114	Procedural Programming	6
CSCI124	Object Programming	6
MATH187	Mathematics 1A Part 1	6
MATH188	Mathematics 1A Part 2	6
MATH141	Mathematics 1C Part 1	6
MATH142	Mathematics 1C Part 2	6
MATH201	Multivariate and Vector Calculus	6
MATH202	Differential Equations	6
MATH203	Linear Algebra	6
MATH204	Complex Variables and Group Theory	6
MATH253	Linear Algebra	4
MATH283	Mathematics IIE for Engineers	6
MATH291	Differential Equations	3
MATH293	Complex Variables	4
STAT231	Probability and Random Variables	6

Bachelor of Engineering / Bachelor of Arts

Testamur Title of Degree:	Bachelor of Engineering / Bachelor of Arts
Abbreviation:	BE,BA
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	704
UAC Code:	751302
CRICOS Code:	028394B

Overview

The Faculties of Arts and Engineering offer double degree courses over five years of full-time or eight years of part-time study, leading to the degrees of Bachelor of Arts and Bachelor of Engineering. These courses provide education in a discipline of Engineering, together with a major study in Arts to broaden the knowledge base of the graduate thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.
Requirements for admission to the double degree is a UAI, or the equivalent, which is equal to or greater than the rank required for admission to the course for the degree of Bachelor of Arts, or the course for the degree of Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Arts

To qualify for the award of the degree of Bachelor of Arts, a candidate must satisfactorily complete;
a) subjects to the value of at least 90 credit points selected from the General Schedule or the Arts Schedule, together with
b) subjects to the value of at least 54 credit points prescribed by one of the Engineering programs.

Of the above specified 144 credit points required for the Arts degree:
a) at least 72 credit points, including a major study, shall be from subjects listed in the Arts Schedule;
b) at least 36 credit points shall be for subjects offered by one or more academic units of the Faculty of Arts; and
c) no more than 60 credit points shall be for 100-level subjects.

Students intending to enrol in Japanese must contact the Modern Languages Program Office.
Students undertaking the beginner strand in the Japanese language are required to take 36 credit points in Japanese in the first year of full-time study. Enrolment in Japanese is not recommended for part-time students.

A candidate who qualifies for award of the degree of Bachelor of Arts, and who satisfies entry requirements, may subsequently enrol in the course for the honours degree of Bachelor of Arts as set out in the Course Rule 112.

Course Requirements – Bachelor of Engineering

To qualify for the award of the degree of Bachelor of Engineering, a candidate must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects
plus the subjects leading to one of the Engineering degrees:
Bachelor of Engineering - Civil Engineering
Bachelor of Engineering - Environmental Engineering
Bachelor of Engineering - Materials Engineering
Bachelor of Engineering - Mechanical Engineering
Bachelor of Engineering - Mechatronics
Bachelor of Engineering - Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering / Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Engineering / Bachelor of Commerce
Abbreviation:	BE,BCom
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	727
UAC Code:	751601
CRICOS Code:	001707A

Overview

The Faculties of Commerce and Engineering offer double degree courses over five years of full-time or eight years of part-time study, leading to the degrees of Bachelor of Commerce and Bachelor of Engineering. These courses provide education in a discipline of Engineering, together with a major study in Commerce to broaden the knowledge base of the graduate thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirements for admission to the double degree is a UAI, or the equivalent, which is equal to or greater than the rank required for admission to the course for the degree of Bachelor of Commerce, or the course for the degree of Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Commerce

Candidates are required to complete core subjects and subjects which satisfy the requirements of one of the Commerce majors. Candidates can choose between a number of major and minor combinations. All students must seek advice and approval from the Sub Dean and relevant Head of School before enrolment. Students should be aware that it may not be possible to complete all Commerce programs with the usual 264 credit points required for a double degree.

The following subjects may be substituted for another Commerce major subject on completion of the alternative Engineering subject:

1. BUSS110 Introduction to Business Information Systems

Alternative subjects:

CIVL196	Engineering Computing 1	6
MECH15	Engineering Computing Instrumentation and Workshop	6
2	Practice	
MATE291	Engineering Computing and Laboratory Skills	6
or		
CSCI114	Procedural Programming	6

2. ECON121 Quantitative Methods 1

Alternative subject:

MATH283	Mathematics 2E for Engineers Part 1	6

Course Requirements – Bachelor of Engineering

To qualify for the award of the degree of Bachelor of Engineering, a candidate must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects
plus the subjects leading to one of the Engineering degrees:
Bachelor of Engineering - Civil Engineering
Bachelor of Engineering - Environmental Engineering
Bachelor of Engineering - Materials Engineering
Bachelor of Engineering - Mechanical Engineering
Bachelor of Engineering - Mechatronics
Bachelor of Engineering - Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the Sub Dean.

Bachelor of Engineering / Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Engineering / Bachelor of Computer Science
Abbreviation:	BE,BCompSci
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
Approx. UAI Entry:	90
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	790
UAC Code:	751609
CRICOS Code:	042540**B**

Overview

The Faculties of Informatics and Engineering offer double degree courses over five years of full-time or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Computer Science.

These courses provide education in a discipline of Engineering, together with a major study in Computer Science to broaden the knowledge base of the graduate thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirements for admission to the double degree is a UAI, or the equivalent, which is equal to or greater than the rank required for admission to the course for the degree of Bachelor of Computer Science, or the course for the degree of Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Computer Science

To quality for the award of the degree of Bachelor of Computer Science, a candidate must satisfactorily complete requirements 1, 2, 4 and 5 of the Bachelor of Computer Science Course Rules.

Course Requirements – Bachelor of Engineering

To qualify for the award of the degree of Bachelor of Engineering, a candidate must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects
plus the subjects leading to one of the Engineering degrees:
Bachelor of Engineering - Civil Engineering
Bachelor of Engineering - Environmental Engineering
Bachelor of Engineering - Materials Engineering
Bachelor of Engineering - Mechanical Engineering
Bachelor of Engineering - Mechatronics
Bachelor of Engineering - Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering / Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Engineering / Bachelor of Mathematics
Abbreviation:	BE,BMath
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	90
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	791
UAC Code:	751610
CRICOS Code:	042626G

Overview

The Faculties of Informatics and Engineering offer double degree courses over five years of full-time or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Mathematics. These courses provide education in a discipline of Engineering, together with a major study in Mathematics to broaden the knowledge base of the graduate thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirements for admission to the double degree is a UAI, or the equivalent, which is equal to or greater than the rank required for admission to the course for the degree of Bachelor of Mathematics, or the course for the degree of Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Mathematics

To qualify for the award of the degree of Bachelor of Mathematics, a candidate must satisfactorily complete requirements 1 to 9, excluding 5, of the Bachelor of Mathematics degree rules, including no more than 60 credit points at 100 level.

Course Requirements – Bachelor of Engineering

To qualify for the award of the degree of Bachelor of Engineering, a candidate must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects

plus the subjects leading to one of the Engineering degrees:
Bachelor of Engineering - Civil Engineering
Bachelor of Engineering - Environmental Engineering
Bachelor of Engineering - Materials Engineering
Bachelor of Engineering - Mechanical Engineering
Bachelor of Engineering - Mechatronics
Bachelor of Engineering - Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering / Bachelor of Science

Testamur Title of Degree:	Bachelor of Engineering / Bachelor of Science
Abbreviation:	BE,BSc
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	750
UAC Code:	751624
CRICOS Code:	031277C

Overview

The Faculties of Science and Engineering offer double degree courses over five years of full-time or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Science. These courses provide education in a discipline of Engineering, together with a major study in Science to broaden the knowledge base of the graduate thereby enhancing career prospects. The Engineering courses are accredited by Engineers Australia.

Requirements for admission to the double degree is a UAI, or the equivalent, which is equal to or greater than the rank required for admission to the course for the degree of Bachelor of Science, or the course for the degree of Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements – Bachelor of Science

To qualify for the award of the degree of Bachelor of Science, a candidate must satisfactorily complete:

a) subjects having a value of at least 90 credit points selected from the Science Schedule, which include either a major study prescribed by the Faculty of Science, or a major prescribed by Engineering Physics within the Faculty of Engineering; together with
b) subjects having a value of at least 54 credit points prescribed by one of the Engineering programs.

Of the above specified 144 credit points required for the Science degree:

a) at least 72 credit points, including a major study, shall be from subjects offered by Academic Units within the Faculty of Science or by Engineering Physics in the Faculty of Engineering; and
b) no more than 60 credit points shall be for 100-level subjects.

A candidate who qualifies for award of the degree of Bachelor of Science, and who satisfies entry requirements, may subsequently enrol in the course for the honours degree of Bachelor of Science as set out in the Course Rule 112.

Course Requirements – Bachelor of Engineering

To qualify for the award of the degree of Bachelor of Engineering, a candidate must complete a total of 192 credit points. Of the 192 credit points, 174 credit points must be Engineering subjects taken from the following:

Bachelor of Engineering - Core Subjects
plus the subjects leading to one of the Engineering degrees:
Bachelor of Engineering - Civil Engineering
Bachelor of Engineering - Environmental Engineering
Bachelor of Engineering - Materials Engineering
Bachelor of Engineering - Mechanical Engineering
Bachelor of Engineering - Mechatronics
Bachelor of Engineering - Mining Engineering

A candidate must complete at least 12 weeks of approved professional engineering experience during the course. A part-time candidate in approved full-time engineering employment may be exempted from up to three specified subjects in accordance with the provisions of the Professional Options subjects, thereby enabling the joint course to be completed in a shorter time.

All students must discuss their Engineering program with the relevant Sub Dean.

Bachelor of Engineering (Mechanical or Mechatronics) / Bachelor of Science (Exercise Science)

Testamur Title of Degree:	Bachelor of Engineering / Bachelor of Science
Abbreviation:	BE,BSc
Home Faculty:	Faculty of Engineering
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session
Location:	Wollongong
Approx. UAI Entry:	80
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	Physics, Chemistry and HSC Mathematics Ext. 1
UOW Course Code:	
UAC Code:	751625
CRICOS Code:	

Overview

The Faculties of Engineering and Health and Behavioural Sciences offer double degree courses over five years of full-time or eight years of part-time study, leading to the degrees of Bachelor of Engineering and Bachelor of Science. These courses provide education in either Mechanical Engineering or Mechatronics, together with a major study in Exercise Science to broaden the knowledge base of the graduate thereby enhancing career prospects.

Requirements for admission to the double degree is a UAI, or the equivalent, which is equal to or greater than the rank required for admission to the course for the degree of Bachelor of Science (Exercise Science), or the course for the degree of Bachelor of Engineering, whichever is the higher. English and Mathematics pre-requisites for both degrees must be satisfied.

Course Requirements

To qualify for the award of the double degree, the following subjects must be completed:

Course Program: Bachelor of Engineering (Mechanical) - Bachelor of Science (Exercise Science)

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
MECH152	Engineering Computing, Instrumentation and Workshop Practice	Autumn	6
ENGG152	Engineering Mechanics	Spring	6
ENGG153	Engineering Materials	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS143	Physics for Engineers	Spring	6
Year 2			
BMS101	Systemic Anatomy	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
BMS112	Human Physiology 1	Spring	6
ECTE290	Fundamentals of Electrical Engineering	Spring	6
MECH201	Engineering Analysis	Spring	6
MECH215	Fundamentals of Machine Component Design	Spring	6
MECH226	Machine Dynamics	Spring	6
Year 3			
BMS211	Foundations of Biomechanics	Autumn	6
ENGG252	Engineering Fluid Mechanics	Autumn	6
MECH311	Mechanical Engineering Design	Autumn	6
MECH341	Thermodynamics	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
ENGG361	Engineering Management	Spring	6
MECH343	Heat Transfer and Aerodynamics	Spring	6
Year 4			
BMS202	Human Physiology II	Autumn	6
MECH321	Dynamics of Engineering Systems	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6

BMS242	Exercise Physiology	Spring	6
BMS341	Clinical Biomechanics	Spring	6
MECH365	Control of Machines and Processes	Spring	6
Plus	2 electives (Mechanical plus one other)		12
Year 5			
BExS352	Exercise Prescription II	Autumn	8
BExS401	Ergonomics	Autumn	6
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
BExS351	Exercise Prescription I	Spring	8
BMS346	Motor Control and Dysfunction	Spring	6
ENGG452*	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0
Plus	2 electives (1 Mechanical)		

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.

Course Program: Bachelor of Engineering (Mechatronics) - Bachelor of Science (Exercise Science)

Subject		Session	Credit Points
Year 1			
CHEM103	Chemistry for Engineers	Autumn	6
CSCI114	Procedural Programming	Autumn	6
ENGG154	Engineering Design and Innovation	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
ECTE101	Electrical Engineering 1	Spring	6
ENGG152	Engineering Mechanics		
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Year 2			
BMS101	Systemic Anatomy	Autumn	6
ECTE202	Circuits and Systems	Autumn	6
ECTE233	Digital Hardware 1	Autumn	6
ENGG251	Mechanics of Solids	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
BMS112	Human Physiology 1	Spring	6
ECTE212	Electronics and Communications	Spring	6
ENGG153	Engineering Materials	Spring	6
MECH215	Fundamentals of Machine Component Design	Spring	6
Year 3			
BMS202	Human Physiology II	Autumn	6
BMS211	Foundations of Biomechanics	Autumn	6
ENGG261	Professional Engineers and the Management of Technology	Autumn	6
MECH311	Mechanical Engineering Design	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
BMS242	Exercise Physiology	Spring	6
MECH226	Machine Dynamics	Spring	6
Year 4			
ECTE313	Electronics 3	Autumn	6
ECTE344	Control Theory	Autumn	6
ECTE371	Mechatronics Design	Autumn	6
MECH382	Manufacturing Engineering Principles	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6
BMS341	Clinical Biomechanics	Spring	6
BMS346	Motor Control and Dysfunction	Spring	6
ECTE301	Digital Signal Processing 1	Spring	6
ECTE333	Digital Hardware 2	Spring	6
Year 5			
BExS352	Exercise Prescription II	Autumn	6
BExS401	Ergonomics	Autumn	6
ECTE323	Power Engineering 2	Autumn	6
ENGG461	Project Management and Human Factors in Engineering	Autumn	6
MECH440	Fluid and Heat Transfer	Autumn	6
BExS351	Exercise Prescription I	Spring	6
ECTE494	Robotics	Spring	6
ENGG452*	Thesis A	Annual	12
or			
ENGG453	Thesis B	Annual	18
ENGG454	Professional Experience		0

* Students undertaking the 12cp thesis will be required to complete an additional 6cp elective.

Bachelor of Engineering / Bachelor of Laws

Refer to the Faculty of Law section for details of this double degree program.

Bachelor of Science (Physics) / Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Science (Physics) / Bachelor of Mathematics
Abbreviation:	BSc,BMath
Home Faculty:	Faculty of Engineering
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,750 per session (international)
Location:	Wollongong
Assumed Knowledge:	Any two units of English plus Mathematics
Recommended Studies:	HSC Mathematics Ext. 1 plus Chemistry or Physics
UOW Course Code:	782
UAC Code:	751805
CRICOS Code:	

Overview

This double degree provides students with deeper understanding in the complementary areas of mathematics and physics. As well as making them eligible for employment in areas requiring qualifications in both mathematics and physics, this will particularly equip students for work in areas where they will undertake mathematical modelling of physical systems.

Course Requirements

All students must complete the required number of credit points and satisfy all course requirements for the Bachelor of Science (Physics) degree and the Bachelor of Mathematics – refer to course structures below.
All students must take particular notice of the Course Rules regarding minimum rate of progress.

The formal contact hours, methods of teaching and learning and forms of assessment vary from subject to subject. Details will be provided to students at the commencement of each subject by the subject coordinator. Students should attend all classes including lectures, tutorials and laboratory classes.

Honours

Students with a good academic record are encouraged to proceed to an Honours year, an additional year of study providing training in independent research in either discipline would be required.

Course Program

Subject		Session	Credit Points
Year 1			
MATH121	Discrete Mathematics	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
PHYS295	Concepts of the Modern Universe	Spring	6
Plus	2 electives		12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
PHYS215	Vibrations, Waves and Optics	Spring	6
PHYS225	Electromagnetism and Optoelectronics	Spring	6
Year 3			
MATH222	Continuous and Finite Mathematics	Autumn	6
MATH305	Partial Differential Equations	Autumn	6
PHYS235	Mechanics and Thermodynamics	Autumn	6
PHYS305	Quantum Mechanics	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
CSCI114	Procedural Programming	Spring	6

MATH302	Differential Equations 3	Spring	6
MATH313	Industrial Mathematical Modelling	Spring	6
or			
STAT232	Estimation and Hypothesis Testing	Spring	6
PHYS375	Nuclear Physics	Spring	6
Year 4			
MATH312	Applied Mathematical Modelling 3	Autumn	6
or			
STAT333	Statistical Inference and Multivariate Analysis	Autumn	6
MATH323	Topology and Chaos	Autumn	6
or			
STAT335	Sample Surveys and Experimental Design	Autumn	6
2 x	300 level Mathematics subjects	Spring	12
or			
STAT304	Operations Research and Applied Probability	Spring	6
and			
STAT332	Multiple Regression and Time Series	Spring	6
PHYS385	Statistical Mechanics	Spring	6
PHYS390	Astrophysics	Spring	6

Faculty of Health & Behavioural Sciences

Member Units

Department of Biomedical Science

Department of Nursing

Department of Psychology

Graduate School of Public Health

Degrees Offered

Single Degrees

Bachelor of Arts

Bachelor of Exercise Science & Rehabilitation

Bachelor of Health Science in Indigenous Health Studies

Bachelor of Nutrition and Dietetics

Bachelor of Medical Science

Bachelor of Nursing

Bachelor of Psychology

Bachelor of Science

Double Degrees

Bachelor of Medical Science - Bachelor of Commerce

Bachelor of Psychology – Bachelor of Commerce

Bachelor of Science (Exercise Science) - Bachelor of Commerce

Bachelor of Science (Nutrition) - Bachelor of Commerce

Bachelor of Science (Psychology) - Bachelor of Commerce

Bachelor of Science - Bachelor of Laws (Health and Behavioural Sciences Major)

Bachelor of Medical Science - Bachelor of Laws

Degrees with TAFE NSW

Bachelor of Health Science in Indigenous Health Studies
(includes TAFE Advanced Diploma in Aboriginal and Torres Straight Islander Health)

Bachelor of Medical Science / TAFE Diploma of Laboratory Techniques (Pathology Testing)

Bachelor of Nutrition and Dietetics / TAFE Certificate IV in Hospitality (Catering Operations)

Bachelor of Science (Nutrition) / TAFE Certificate IV in Hospitality (Catering Operations)

Bachelor of Arts

Testamur Title of Degree:	Bachelor of Arts
Abbreviation:	BA
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time of part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Normally Autumn session
Standard Course Fee:	HECS (local); $7950 AUD per session (international)
Location:	Wollongong
UOW Course Code:	708
UAC Code:	See information under each major
CRICOS Code:	012087M

Overview

Students enrol in the Bachelor of Arts in the Faculty of Health and Behavioural Sciences (Course Code 708) who wish to undertake a major or double major in either Population Health and/or Psychology. Students who choose the Bachelor of Arts would normally choose elective subjects outside their major from the humanities and social sciences. Students also may choose a second major from outside the Faculty.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.0, with a level of 6.0 in reading and writing and at least 5.0 in speaking and listening. Alternative pathways exist for mature age domestic students.

Course Requirements

The Bachelor of Arts (Course Code 708) is comprised of 144 credit points of subjects listed in the subject schedule for a major in the Faculty of Health and Behavioural Sciences, plus additional elective subjects chosen from Health and Behavioural Sciences, Arts or the General Schedule. Subjects to a value of at least 90 credit points of subjects must be selected from the Health and Behavioural Sciences or the Arts schedules. Students may undertake no more than 60 credit points of 100-level subjects. Students should refer to the Award Rules for the Bachelor of Arts (Course Code 708) for further details.

Major Study Areas

Population Health
Psychology
Population Health and Psychology

Population Health *(UAC Code 757649)*

The Bachelor of Arts (Population Health) aims to train students in skills to obtain, review and analyse health information, to plan and manage a health project and to improve the health of populations. The program is designed to do two main things. Firstly, students will learn the basics of the health sector and develop an understanding of the problems involving health, illness, treatment and welfare. Secondly, useful skills are developed that can be used in a variety of jobs. Skills such as analysing information, researching with people, developing policy, project management and writing for a range of purposes, such as report writing and writing for the media. This means that when you graduate, there are many possibilities with regard to jobs, especially if you take population health in conjunction with another specialty area, such as psychology, economics or politics.

Major Study

The Population Health Major consists of 88 credit points of subjects, as outlined in the course structure below, together with other subjects which may be selected from the Health & Behavioural Sciences, Arts or General Schedules to make up the 144 credit points required for the degree.

Honours

The degree of Bachelor of Arts (Honours) in the Graduate School of Public Health is designed to provide supervised training in independent research. Candidates can be admitted with a Bachelor degree in a relevant discipline with research skill subjects and a credit average depending on the availability of supervision. The program will consist of 48 credit points of research leading to the submission of a thesis. Research should be in an area of research expertise of a member of the Graduate School of Public Health. Potential candidates should discuss their research interest with the coordinator of the program and present a research project title and general outline.

Once the supervisor has been approved the candidate will undertake an approved course program recommended by the School Head. The student is also required to pass an examination of the detailed research proposal before about one third of the research time has passed. The total duration of the honours year is no less than one year full-time and no more than 1.5 years full-time. Requirements are specified in the Honours Bachelor Degree Rules.

Course Program

Subjects		Session	Credit Points
100 level			
BMS103	Human Growth Nutrition and Exercise	Autumn	6
POP101	Population Health – current health issues and their determinants	Spring	6
STAT151	Introduction to the Concepts & Practice of Statistics	Spring	6
And either			
ABST150	Introduction to Aboriginal Australia	Autumn/Spring	6
Or			
POP103	Introduction to Health Behaviour Change	Spring	6
200 Level			
POP201	Contemporary Population Health Issues	Autumn	6
POP202	Promoting Healthy Lifestyles	Autumn	6
POP203	Health Policy	Spring	6
POP204	Epidemiology	Spring	6
300 Level			
POP301	Project and Program Design, Management and Evaluation	Not on offer 2004	8
POP302	Analysis and Interpretation of Evidence	Not on offer 2004	8
POP331*	Population Health Project A	Autumn/Spring/ Annual	24

* Students taking a joint major with another specialisation should take POP332 Population Health Project B, 8 credit points

Note – Students can include additional subjects in Population Health in their degree, including:

POP102	Sex, Drugs and Rock 'n' Roll: public health perspectives	Autumn	6
POP220	Mass Media and Population Health	Autumn	6
POP325	Aboriginal Health Issues	Autumn	8
POP221	Behaviour Change for Population Health	Spring	6

Other Information
Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Arts Schedules. Subjects to the value of 144 credit points are required for the degree.

Psychology (UAC Code 753122)

Psychology is the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and the profession that applies this knowledge to practical problems. Psychologists help us to understand who we are and how we think, feel, act and change. They aim to help people function better, and to prevent ill-health and other problems developing. Psychologists' clients include children, adults, couples, families and organisations.

Entry Requirements / Assumed Knowledge

Applicants normally apply through the Universities Admission Centre (UAC). Higher School Certificate students automatically receive a guide and application information from UAC. For HSC students, admission is based on the University Admissions Index (UAI) calculated from HSC results. Do we need to mention Assumed Knowledge: At least two units of English? It is not possible to estimate the UAI cut-off in advance as marks fluctuate from year to year depending on the number and standard of applicants.
Alternative pathways exist for mature age domestic students.

Major Study

For the Major in Psychology, students complete 66 credit points of subjects, as outlined in the schedule below. If students wish to proceed to Honours in Psychology, additional requirements must be met, as noted in the Honours information below.

Honours

Honours in Psychology is a fourth year of study accredited by the Australian Psychological Society (APS). It is offered on a one year full-time or two year part-time basis. Psychology Honours is a route to the postgraduate coursework or research degrees in Psychology. It is also a partial qualification for registration as a psychologist with the Psychologist's Registration Board of New South Wales, a post-degree supervision period also being required.

Graduates of the University of Wollongong with a major in Psychology are eligible for admission to Psychology Honours provided that: they have completed an undergraduate degree curriculum with a major in psychology; they have completed PSYC348 History and Metatheory of Psychology and PSYC354 Design and Analysis (and thus any 200 level prerequisites for PSYC354); they have completed at least 76 credit points of Psychology subjects at 200- and 300- levels; they have at least a credit average for Psychology subjects at 200- and 300- levels.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists' Registration Board of NSW it is necessary to complete an accredited 4 year course of study plus 2 years' supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Course Program

Subjects [by year]		**Session**	**Credit Points**
PSYC121	Foundations in Psychology A	Autumn	6
PSYC122	Foundations in Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
PSYC247	Statistics and Measurement 1	Autumn	6
PSYC231	Personality	Autumn	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC315	Psychology of Abnormality	Spring	8
And two electives, of which there must be at least one of the following:			
PSYC317	Current Issues in Learning and Judgement	Autumn	8
PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include			
PSYC347	Assessment and Intervention	Autumn	8
PSYC350	Social Behaviour and Individual Differences	Autumn	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC348	History and Metatheory of Psychology	Spring	8
PSYC354	Design and Analysis	Spring	8

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Arts Schedules. Subjects to the value of 144 credit points are required for the degree.

Population Health and Psychology

The double major in Population Health and Psychology consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in Psychology at the end of the double major degree, additional subjects are required. Students should consult the information on Honours in the entry for the Psychology major.

The double major in Population Health and Psychology enables students to pursue two options for their career or further study. Students may progress to advanced level study such as honours or postgraduate courses in either field. In addition, the combination of majors will enable graduates to apply for jobs in specialist areas of population health, such as lifestyle counselling or conducting lifestyle management programs.

Course Program

Subjects		**Session**	**Credit Points**
100 level			
ABST150	Introduction to Aboriginal Australia	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
POP103	Introduction to Health Behaviour Change	Spring	6
PSYC121	Foundations of Psychology A	Autumn	6
POP101	Population Health – current health issues and their determinants	Spring	6
PSYC122	Foundations of Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6

And one elective

200 level			
POP201	Contemporary Population Health Issues	Autumn	6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC247	Statistics and Measurement 1	Autumn	6
POP204	Epidemiology	Spring	6
POP221	Behaviour Change for Population Health	Spring	6
PSYC236	Cognition and Perception	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
Note: Psychology Honours also requires that PSYC248 Statistics and Measurement 2 be taken.			
300 level			
POP301	Project and Program Design, Management and Evaluation	Not on offer 2004	8
POP302	Analysis and Interpretation of evidence	Not on offer 2004	8
POP332	Population Health Project B	Not on offer 2004	8
PSYC315	Psychology of Abnormality	Spring	8
And 2 electives, including at least one from Group A			
Group A			
PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Autumn	8
PSYC317	Current Issues in Learning and Judgement	Autumn	8
PSYC352	Psychophysiology	Spring	8
Group B			
PSYC347	Assessment and Intervention	Autumn	8
PSYC350	Social Behaviour and Individual Differences	Autumn	8
PSYC318	Change Throughout the Life Span	Spring	8
PSYCH348	History and Metatheory of Psychology	Spring	8

Note: Students wishing to take Psychology Honours should consult the information on Honours listed under the single Major, Psychology, to ensure they complete the required subjects.

Bachelor of Exercise Science and Rehabilitation

Testamur Title of Degree:	Bachelor of Exercise Science and Rehabilitation
Abbreviation:	BExScRehab
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	192 cp
Delivery Mode:	Day
Starting Session(s):	Autumn
Standard Course Fee:	HECS (Local); International $8350 per session
Location:	Wollongong
UOW Course Code:	851A
UAC Code:	757643
CRICOS Code:	016112E

Overview

The Bachelor of Exercise Science and Rehabilitation emphasises professional development and is designed to provide students with opportunities to gain clinical skills through work experience within the department's Exercise Science and Rehabilitation Centre and other clinical application placement programs operating within the community. Graduates are trained to utilise exercise as an intervention to maintain and improve health and fitness and rehabilitate after injury or disease.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6, with a level of 6 in reading and writing, and 5 in speaking and listening.

NSW Health Employment Requirements: The NSW Health Department requires all staff and students undertaking clinical placements in positions dealing with children and patients vulnerable by reason of health status, to undergo a criminal record check before employment or placement in any capacity in the NSW health system. For further information, refer to the *Additional Information* section at the end of this chapter.

Advanced Standing

Undergraduate students wishing to transfer into the Bachelor of Exercise Science and Rehabilitation degree may apply upon completion of the first two years of the BSc (Exercise Science) or BSc (Exercise Science and Nutrition) degrees (or other approved degree programs). Selection is based on University results over that time.

Course Requirements

The Bachelor of Exercise Science & Rehabilitation degree is comprised of 178 credit points of core subjects with the balance (at least 14 credit points) to be taken as elective subjects from the Health and Behavioural Sciences or Science Schedules. Further, at least 88 credit points will be at 300 and/or 400-level, including at least 40 credit points at the 400-level.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Introductory Organic & Physical Chemistry (or CHEM105)	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BMS211	Foundations of Biomechanics	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
BMS204	Introduction to Pathophysiology	Spring	6
BMS242	Exercise Physiology	Spring	6
	Plus a further 6 cp from:		
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
MGMT102	Business Communications	Autumn	6
POP101	Population Health – Current Health Issues and Their Determinants	Spring	6
POP220	Behaviour Change for Population Health	Autumn	6
Year 3			
BMS342	Advanced Exercise Physiology	Autumn	8
BMS344	Cardiorespiratory Physiology	Autumn	8
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
BMS346	Motor Control and Dysfunction	Spring	8
BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8
	Plus a further subject from:		
BMS341	Clinical Biomechanics	Spring	8
	Or another approved subject		
Year 4			
BEXS411	Practicum in Exercise Science A	Annual	8
BEXS451	Exercise Rehabilitation 1: Musculoskeletal	Autumn	8
BEXS452	Exercise Rehabilitation 2: Cardiorespiratory and Neurological	Autumn	8
BMS303	Research Topics in Exercise Science	Spring	8
BEXS402	Exercise for Special Populations	Spring	8
BEXS412	Practicum in Exercise Science B	Spring	8

Honours

Students should refer to the Department for information about Honours.

Professional Recognition

Graduates may become members of the Australian Association for Exercise and Sport Science and achieve professional accreditation with further work experience.

Bachelor of Health Science in Indigenous Health Studies

Testamur Title of Degree:	Bachelor of Health Sciences in Indigenous Health Studies
Abbreviation:	BHlthScInd
Home Faculty:	Health & Behavioural Sciences
Duration:	3 years or part-time equivalent
Total Credit Points:	144 cp
Delivery Mode:	Flexible
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (domestic)
Location:	Wollongong
UOW Course Code:	786A
UAC Code:	756632
CRICOS Code:	Not applicable

Overview

The Bachelor of Health Science in Indigenous Health Studies is a flexibly delivered degree offered in partnership with the Illawarra Institute of Technology (TAFE NSW) Shellharbour campus. The course can also be done entirely through the University. The degree provides students with the knowledge and skills to effectively address Indigenous health issues. Areas covered include: community health, community development and cultural issues. Indigenous health workers graduate with professional accreditation, based on a competency-based program that is linked to the Aboriginal Health Worker award.

This course also complements study in related areas, for example Population Health or Psychology.

Entry Requirements / Assumed Knowledge

Domestic School leavers are recommended to have completed 2 units of Aboriginal Studies at HSC level. Alternative pathways exist for mature age domestic students. Even if you have not completed the current NSW HSC (or equivalent) in full, or you did not receive the required entry mark, you may still qualify for admission.

Course Requirements

During the program students complete the Advanced Diploma in Aboriginal and Torres Strait Islander Health offered by TAFE NSW, which is recognised for 72 credit points' of advanced standing towards the degree. This is followed by 1.5 years full-time study (or part time equivalent) in the Indigenous Health program at the University to complete a further 72 credit points of approved subjects.

This is a fully articulated program with multiple entry and exit points, and Recognised Prior Learning criteria. A significant placement component is included to provide practical as well as theoretical knowledge and skills in Aboriginal culture, health and community development.

The TAFE component of the course is offered in flexible delivery mode. Students completing the course will be concurrently enrolled at both the University of Wollongong and the Illawarra Institute of Technology. Students should be aware that the TAFE component of the program begins in February, earlier than normal session start.

Students should seek advice from an academic adviser at the University or at TAFE before enrolling in this program. Students wishing to undertake part-time study in the TAFE component must discuss this with the TAFE coordinator:

Ms Sandra Bolack
Head Teacher, Nursing Unit
The Illawarra Institute of Technology (TAFE NSW)
Shellharbour Campus
Phone: 4295 2289
Fax: 4295 2114
Email: Sandra.bolack@det.nsw.edu.au

or

Robyn Williams
Senior Lecturer Indigenous Health program
+61 2 4221 3576 or williams@uow.edu.au

Course Program

TAFE Advanced Diploma in Aboriginal and Torres Strait Islander Health

PLUS

Subjects		Session	Credit Points
NURS162	Effective Communication in Health Care Relationships	Autumn	6
ARTS211	Social Science Perspectives on Health and Illness	Autumn	6
NURS240	Current Services in Aboriginal Health	Not available 2004	6
NURS242	Functional Community Structures	Autumn	6
NURS243	Special Topic	Spring	6
NURS341	Special Topic	Not available 2004	8
NURS343	Indigenous Community Development: Theory and Practice	Spring	6
NURS344	Community Health: Theory, Research and Practice	Not available 2004	6
Plus at least 12 credit points to be selected from:			
ABST150	Introduction to Aboriginal Australia	Autumn/Spring	6
ABST200	Aboriginal History Since Invasion	Autumn	8
ABST300	Indigenous Theories of De-Colonisation	Spring	8

or other subjects approved by the Head of Department

Professional Recognition

Completion of the TAFE Advanced Diploma is linked to the Aboriginal Health Worker Award.

Bachelor of Medical Science

Testamur Title of Degree:	Bachelor of Medical Science
Abbreviation:	BMedSc
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time
Total Credit Points:	144 cp
Delivery Mode:	Day
Starting Session(s):	Autumn
Standard Course Fee:	HECS (Local); International $7,950 per session
Location:	Wollongong
UOW Course Code:	787
UAC Code:	757641
CRICOS Code:	036458B

Overview

The Bachelor of Medical Science degree provides an excellent first degree for students wishing to enrol in post-graduate studies in medicine, teaching or research. Students receive a thorough grounding in areas such as anatomy, physiology, neuroscience, biochemistry, chemistry and biology.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6, with a level of 6 in reading and writing, and 5 in speaking and listening.

Course Requirements

The Bachelor of Medical Science degree requires 3 years of full-time study and satisfactory completion of 144 credit points including at least 24 credit points at 300-level.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Introductory Organic & Physical Chemistry (or CHEM105)	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			

BMS202	Human physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
BMS200	Histology	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BMS204	Introduction to Pathophysiology	Spring	6
Plus a further 6 cp from:			
BMS211	Foundations of Biomechanics	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
STS215	Globalisation: Technology, Culture and Media	Autumn	8
	Or another approved subject		
Plus a further 12 cp from:			
BMS242	Exercise Physiology	Spring	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
BIOL215	Introductory Genetics	Spring	6
	Or other approved subjects		

Year 3

BMS352	Fundamentals of Neuroscience	Autumn	8
Plus a further 16 cp from:			
BMS302	Research Topics	Autumn/ Spring	8
BMS311	Nutrients and Metabolism	Autumn	8
BMS342	Advanced Exercise Physiology	Autumn	8
BMS344	Cardiorespiratory Physiology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8
CHEM350	Principles of Pharmacology	Autumn	8
Or other approved subjects			
BMS300	Regional Anatomy	Spring	8
Plus a further 16 cp from:			
BMS302	Research Topics	Autumn/ Spring	8
BMS345	Advanced Topics in Pathophysiology	Spring	8
BMS346	Motor Control and Dysfunction	Spring	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
PHIL380	Bioethics	Spring	8
Or other approved subjects			

Honours

Students wishing to proceed to Honours enrol in the Bachelor of Science (Honours), which is designed to provide students with skills to demonstrate excellence in research with a clear understanding of a research question in relation to current knowledge. The degree program fosters the following abilities and skills: plan, design and perform a research project; collect and analyse data; evaluate data; synthesise results and integrate with relevant ideas and concepts; communicate; put relevant OHS principles into practice.

Entry into the Bachelor of Science (Hons) requires the student to have attained at least a credit average in subjects undertaken during their undergraduate degree. The Postgraduate coordinator and prospective supervisor will determine whether a student's 300-level subjects are appropriate for entry into the Bachelor of Science (Hons). In addition, admission will be dependent upon the availability of an appropriate supervisor, who must be identified by the applicant prior to applying for entry. Students considering enrolment in BSc(Hons) should first contact the Department's Postgraduate Coordinator.

Bachelor of Medical Science/TAFE Diploma of Laboratory Techniques (Pathology Testing)

Testamur Title of Degree:	Bachelor of Medical Science TAFE Diploma
Abbreviation:	BMedSc
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	138 cp UOW; 837 hr TAFE
Delivery Mode:	Day
Starting Session(s):	Autumn
Standard Course Fee:	HECS (Local); International $7,950 per session
Location:	Wollongong
UOW Course Code:	787
UAC Code:	757641
CRICOS Code:	Not applicable

Overview

The double award of Bachelor of Medical Science/TAFE Diploma of Laboratory Techniques (Pathology Testing) provides opportunities for improved vocational outcomes, and the development of practical skills through simultaneous enrolment in the university degree and the TAFE diploma.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6, with a level of 6 in reading and writing, and 5 in speaking and listening.

Students apply for the Bachelor of Medical Science and enter this dual program at enrolment.

Recommended study: English Advanced

Course Requirements

The Bachelor of Medical Science/TAFE Diploma of Laboratory Techniques (Pathology Testing) degree requires 4 years of full-time study. Students will complete the first two years of the Bachelor degree at the University of Wollongong. The third year will be undertaken at TAFE. Students will then complete the remaining subjects of the dual program in their fourth year of study at the University.

Course Program

Note: *ITALIC* type indicates TAFE component

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Introductory Organic & Physical Chemistry (or CHEM105)	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS202	Human physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
BMS200	Histology	Autumn	6
Plus a further 6 cp from:			
BMS211	Foundations of Biomechanics	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
STS215	Globalisation: Technology, Culture and Media	Autumn	8
Plus			
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BMS204	Introduction to Pathophysiology	Spring	6
Plus a further 12 cp from:			
MGMT110	Introduction to Management	Spring	6
MGMT321	Occupational Health and Safety Management	Spring	6
Year 3			
6849AG	*Laboratory Testing & Procedures 2*		*72 hrs*

6849AH	*Laboratory Testing & Procedures 3*	*45 hrs*
6849AA	*Calibration & Data Handling*	*27 hrs*
6850AA	*Quality Improvement*	*18 hrs*
6850AD	*Instrumental Tests 1 – Spectroscopy*	*45 hrs*
6850AE	*Instrumental Tests 2 – Chromatography*	*36 hrs*
6850AF	*Instrumental Tests 3*	*18 hrs*
1822F	*Histotechnology*	*45 hrs*
1822A	*Microbiology*	*45 hrs*
1822D	*Haematology 1*	*54 hrs*
1822H	*Clinical Chemistry 1*	*54 hrs*
1822B	*Medical Microbiology*	*45 hrs*
1822G	*Histotechnology 2*	*45 hrs*
1822K	*Immunohaematology*	*45 hrs*
1822E	*Haematology II*	*54 hrs*
1822C	*Parasitology and Virology*	*18 hrs*
1822J	*Clinical Chemistry II*	*54 hrs*
1822L	*Workplace Practice 4 – Pathology*	*27 hrs*
1822M	*Workplace Practice 5 – Pathology*	*27 hrs*

Year 4

BMS352	Fundamentals of Neuroscience	Autumn	8
Plus a further 16 cp from			
BMS302	Research Topics	Autumn/ Spring	8
BMS311	Nutrients and Metabolism	Autumn	8
BMS344	Cardiorespiratory Physiology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8
	Or other approved subjects:		
BMS300	Regional Anatomy	Spring	8
Plus a further 16 cp from:			
BMS302	Research Topics	Autumn/ Spring	8
BMS345	Advanced Topics in Pathophysiology	Spring	8
BMS346	Motor Control and Dysfunction	Spring	8
PHIL380	Bioethics	Spring	8
	Or other approved subjects		

Honours

Students wishing to proceed to Honours enrol in the Bachelor of Science (Honours). Students should consult the information listed under the Bachelor of Medical Science.

Professional Recognition

Graduates may become members of AIMS.

Other Information

Students are advised to consult the course coordinator about subject selection and enrolment in the TAFE component.

Bachelor of Nursing

Testamur Title of Degree:	Bachelor of Nursing
Abbreviation:	BNursing
Home Faculty:	Health & Behavioural Sciences
Duration:	3 years full-time
Total Credit Points:	144 cp
Delivery Mode:	Day classes
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), International $7550 per session
Location:	Wollongong and Bega
UOW Course Code:	863
UAC Code:	757101
CRICOS Code:	003330B

Overview

The Bachelor of Nursing is a first level award. Aims include sound knowledge for safe and competent practice; appropriate affective and psychomotor skills in providing holistic patient care; reflective nursing practice skills in a variety of settings; drawing on relevant principles of the biosciences and social and behavioural sciences;

effective interpersonal and group communication skills; effective and collaborative functioning as a professional member of the health care team; effective and sensitive practice within a multicultural environment; responsibility for the continuing development of self and profession; and high level skills in organisation and allocation of priorities in clinical and practice activities.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are assumed to have completed any 2 units of Science at HSC level. International students are required to have achieved an overall IELTS score of 6.5, with a level of at least 6.0 in all bands, reading and writing, speaking and listening. Alternative pathways exist for mature age domestic students.
Enrolled Nurses who have completed an appropriate TAFE bridging course can enter into Year 2 of the course.

Advanced Standing

Currently the Bachelor of Nursing course at the Bega campus is only available to students who have completed the equivalent of all of Year 1 of the degree. Enrolled Nurses with a TAFE Advanced Certificate receive 12 credit points' advanced standing toward Year 1. Enrolled Nurses who have completed an appropriate TAFE bridging course can enter into Year 2 of the course.

Course Requirements

The Bachelor of Nursing is comprised of 144 credit points of core subjects. This is a prescribed course designed for persons seeking registration with the New South Wales Nurses' Registration Board, in which:

Year 1 of the course introduces Fundamentals of Nursing Practice;
Year 2 of the course focuses on developing Collaborative Practice; and
Year 3 of the course is concerned with Autonomous Practice.

Candidates should note that pre- and co-requisites apply to many subjects in the course. Satisfactory completion of all Year 2 nursing theory and practice subjects (NURS262, NURS263, NURS266, NURS267) is a pre-requisite to enrolment in Year 3 nursing theory and practice subjects. The reason for these prescriptions is that the Department of Nursing has a legal responsibility to ensure that candidates meet nursing theory and practice requirements at each level of the course.

Due to the necessary inclusion of clinical practicum, the length of each session of the course varies from the normal 13 week session. Throughout the three-year course, students will be required to attend 20 weeks off-campus clinical placements in a variety of settings and different area health services.

In order to attend clinical placements, students are required to have a Criminal Record Check (CRC)* clearance card. To obtain this, students are requested to complete a CRC application form and sign a Working with Children Check* form eight weeks prior to clinical placements. Before starting clinical placements, students are also required to comply with NSW Health Department Circular 'Occupational Screening and Vaccination Against Infectious Diseases',* available on the NSW Health Department website. Students who do not meet these requirements will not be able to attend clinical practicum and therefore will not be able to continue in the Bachelor of Nursing.

* Further information is available under 'Other Information' in this section.

Course Program

Subjects		Session	Credit Points
Year 1			
NURS162	Effective Communication in Health Care Relationships	Autumn	6
NURS163	Fundamentals of Nursing	Autumn	6
NURS164	Patterns of Knowing in Nursing	Autumn	6
NURS165	Primary Health Care Nursing	Spring	6
NURS166	Medical/Surgical Nursing 1	Spring	6
NURS127	Human Physiology for Nursing: Principles & Systems	Spring	6
POP103	Introduction to Health Behaviour Change	Spring	6
SCIE122	Biology for Nurses	Spring	6
Year 2			
ARTS211	Social Science Perspectives on Health and Illness	Autumn	6
NURS227	Human Bioscience 3	Autumn	6
NURS262	Medical/Surgical Nursing 2	Autumn	6
NURS263	Mental Health Nursing 1	Autumn	6
NURS264	Reflection and Practice	Spring	6
NURS265	Nursing Therapeutics	Spring	6
NURS266	Medical/Surgical Nursing 3	Spring	6
NURS267	Family and Maternal Health Nursing	Spring	6

Year 3

NURS322	Developmental Disability Nursing	Autumn	6
NURS362	Continuing, Rehabilitative and Palliative Care Nursing	Autumn	6
NURS363	Therapeutic Use of Self	Autumn	6
NURS364	Research Appreciation and Application	Autumn	6
NURS365	Mental Health Nursing 2	Spring	6
NURS366	Community Health Nursing	Spring	6
NURS367	Medical/Surgical Nursing 4	Spring	6
NURS328	Management in Nursing	Spring	6

Honours

The Bachelor of Nursing (Honours) provides exceptional nursing students with the opportunity to extend their knowledge and skills beyond the beginning level. There is an increasing need for graduates to develop more advanced and extensive knowledge in the discipline than can be attained in a pass degree. This need can be achieved by qualified candidates, who have attained a level of scholarship at credit level or above in 300-level Nursing subjects, undertaking advanced coursework and research.

Professional Recognition

Graduates are eligible to register with the Nurses' Registration Board NSW. Registration in other states is assessed individually. Graduates may gain registration in a number of other countries.

Other Information

Further information is available from:

Dr Peter Thomas, Undergraduate Coordinator, +61 2 4221 3229 or peter_thomas@uow.edu.au .
Uniadvice 1300 367 869. Visit our website: http://www.uow.edu.au/health/nursing .

For information on Criminal Record checks and Infectious Diseases please see section at the end of this chapter.

Bachelor of Nursing (Conversion)

Testamur Title of Degree:	Bachelor of Nursing (Conversion)
Abbreviation:	BNursing(Conversion)
Home Faculty:	Health & Behavioural Sciences
Duration:	The length of the degree is dependent upon entry qualifications
Total Credit Points:	24 cp (Diploma or equivalent) or 72 cp (Certificate or equivalent)
Delivery Mode:	Day classes
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $7,550 per session (international)
Location:	Wollongong
UOW Course Code:	860
UAC Code:	Students apply direct to the University
CRICOS Code:	00102E

Overview

The Bachelor of Nursing (Conversion) provides hospital trained nurses or diplomates with the opportunity to upgrade to degree level. Students will: demonstrate an increased understanding of the nature of nursing; evaluate and apply concepts drawn from nursing theory and research to professional practice; offer leadership to less experienced members of the nursing profession; demonstrate an increased awareness of the effects of cultural, social, economic, legal and ethical influences on the development of the nursing profession; demonstrate increased ability in critical reflection and research; display a readiness and ability to participate in positive changes; and demonstrate competencies that will enable health professionals to accept responsibility for a more complex level of client management.

Entry Requirements / Assumed Knowledge

Candidates must be Registered Nurses to enrol in this course and must be eligible for registration in NSW and have obtained their initial qualification after 1972. Applicants who obtained their initial qualification before 1972, and who do not hold equivalent nursing qualifications, are still eligible to apply following successful completion of the Special Tertiary Admissions Test or the fulfilment of other entry paths such as the University Access Program.

International students are required to have achieved an overall IELTS score of 6.5, with a level of at least 6.0 in all bands, reading and writing, speaking and listening.
Students should consult the information about Criminal Records Checks and Infectious Diseases in the Bachelor of Nursing entry above.

Advanced Standing

For Certificated Registered Nurses: Advanced standing of up to 24 credit points may be approved for candidates with post certificate qualifications and experience, but each candidate must satisfy each of the following requirements:

1. at least 6 credit points will be for 100-level subjects, and must include NURS162;
2. at least 12 credit points will be for 200-level subjects;
3. at least 24 credit points will be for 300-level subjects, and must include NURS364.

Course Requirements for the course for Certificated Registered Nurses

The number of candidates admitted to the course will be limited and applicants must be approved by the Head of the Department of Nursing. Registered nurses with certificate(s) are required to satisfactorily complete subjects with a value of at least 72 credit points.

Course Program

Subjects		Session	Credit Points
NURS123	Introduction to Psychology	Autumn	6
NURS162	Effective Communication in Health Care Relationships	Autumn	6
NURS164	Patterns of Knowing in Nursing	Autumn	6
NURS165	Primary Health Care Nursing	Spring	6
ARTS211	Social Science Perspectives on Health and Illness	Autumn	6
NURS264	Reflection and Practice	Spring	6
NURS265	Nursing Therapeutics	Spring	6
NURS328	Management in Nursing	Spring	6
NURS363	Therapeutic Use of Self	Autumn	6
NURS364	Research Appreciation and Application	Autumn	6
NURS366	Community Health Nursing	Spring	6

Students may also choose a limited number of credit points from the General Schedule at the discretion of the Department.

Course Requirements for the course for Registered Nurses who hold a Diploma of Nursing, or equivalent

The number of candidates admitted to the course will be limited and applicants must be approved by the Head of the Department of Nursing. Registered nurses with a Diploma of Nursing, or equivalent, are required to satisfactorily complete subjects with a value of at least 24 credit points, of which at least 12 credit points shall be for 300-level subjects and must include NURS364.

Course Program

Subjects		Session	Credit Points
NURS264	Reflection and Practice	Spring	6
NURS265	Nursing Therapeutics	Spring	6
NURS328	Management in Nursing	Spring	6
NURS363	Therapeutic Use of Self	Autumn	6
NURS364	Research Appreciation and Application	Autumn	6
NURS366	Community Health Nursing	Spring	6

Honours

The Bachelor of Nursing (Honours) provides exceptional nursing students with the opportunity to extend their knowledge and skills beyond the beginning level. There is an increasing need for graduates to develop more advanced and extensive knowledge in the discipline than can be attained in a pass degree. This need can be achieved by qualified candidates, who have attained a level of scholarship at credit level or above in 300-level Nursing subjects, undertaking advanced coursework and research.

Professional Recognition

Graduates may apply for higher positions in management and other specialised areas within the discipline of nursing.

Bachelor of Nutrition and Dietetics

Testamur Title of Degree:	Bachelor of Nutrition and Dietetics
Abbreviation:	BNutrDiet
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	192 cp
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (Local); $8,350 per session (international)
Location:	Wollongong
UOW Course Code:	865
UAC Code:	757647
CRICOS Code:	026811F

Overview

The Bachelor of Nutrition & Dietetics course emphasises professional development and provides students with opportunities to gain clinical and health promotion skills through placements in hospitals, community health centres and the department's Exercise Science and Rehabilitation Centre.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths.International students are required to have achieved an IELTS score of 6.5 (minimum) for reading, writing, speaking and listening.

Course Requirements

Students will need to achieve a minimum of credit average across the full two years of their program to be permitted to continue into the third and fourth years of this degree. Students failing to achieve this grade will be transferred to the BSc (Nutrition) degree program.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
BMS112	Human Physiology I: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Introductory Organic & Physical Chemistry (or CHEM105)	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
	Plus a further 6 cp from		
PSYC101	Introduction to Behavioural Science	Autumn	6
or			
SOC103*	Aspects of Australian Society	Autumn	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
POP222	Current Issues in Food and Nutrition	Spring	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
MGMT102	Business Communications	Autumn	6
Plus a further 12 cp from:			
BMS204	Introduction to Pathophysiology	Spring	6
GEOS246*	A Hungry World: Food Resources and the World Economy	Spring	6
POP101*	Population Health – Current Health Issues and their Determinants	Spring	6
Or other approved subjects			
Year 3			
BMS311	Nutrients and Metabolism	Autumn	8
BMS310	Community and Public Health Nutrition	Autumn	8
BMS312	Research in Human Nutrition	Autumn/ Annual	8
PHIL380	Bioethics	Spring	8
BMS304#	Research Topics in Nutrition and Dietetics	Spring	16

Year 4

BND433	Communication in Health Care Practice	Annual	8
BND434	Dietetics	Autumn	8
BND435	Food Services and Dietetics Management	Autumn	8
BND437	Practical Studies in Nutrition and Dietetics	Autumn/Spring/ Annual	24

* Suggested elective subjects for a "public health" emphasis to the degree program.
# Students who undertake BMS304 would also be able to undertake population health nutrition projects.

Honours

Students should consult the Department about the requirements for Honours.

Professional Recognition

Graduates are eligible for membership of the Dieticians Association of Australia and professional recognition as a Dietician/Nutritionist.

Other Information

See section on Criminal Record Checks and Infectious Diseases at the end of this chapter.

Bachelor of Nutrition and Dietetics / TAFE Certificate IV in Hospitality (Catering Operations)

Testamur Title of Degree:	Bachelor of Nutrition and Dietetics/ TAFE Certificate IV in Hospitality (Catering Operations)
Abbreviation:	BNutrDiet / TAFE Cert IV Hosp (Catering Operations)
Home Faculty:	Health and Behavioural Sciences
Duration:	5 years full-time
Total Credit Points:	192 cp plus 764 hrs TAFE
Delivery Mode:	Face-to-Face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (Local); International $8,350 per session
Location:	Wollongong
UOW Course Code:	865
UAC Code:	757647
CRICOS Code:	Not applicable

Overview

This 5-year program allows students to graduate with both a Bachelor of Nutrition and Dietetics and the TAFE Certificate IV in Hospitality (Catering Operations). Undertaking the two programs separately would normally take 6 years. Graduates would be eligible for membership of the Dieticians Association of Australia (DAA) and practice as professional Dieticians. Graduates also would be eligible to be members of the Institute of Hospitality and Healthcare. Prospective students should consult the Course Coordinator about their enrolment.

Entry Requirements / Assumed Knowledge

Domestic School leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.5 (minimum) for reading, writing, speaking and listening.

Other Information

Students are advised to consult the course coordinator about subject selection and enrolment in the TAFE component.

For information on Criminal record checks and infectious diseases, refer to the section at the end of this chapter.

Bachelor of Psychology

Testamur Title of Degree:	Bachelor of Psychology
Abbreviation:	BPsyc
Home Faculty:	Health & Behavioural Sciences
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Normally Autumn session
Standard Course Fee:	HECS (local); International $8,350 per session
Location:	Wollongong
UOW Course Code:	866
UAC Code:	757652
CRICOS Code:	026184F

Overview

Psychology is the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and the profession that applies this knowledge to practical problems. Psychologists help us to understand who we are and how we think, feel, act and change. They aim to help people function better, and to prevent ill-health and other problems developing. Psychologists' clients include children, adults, couples, families and organisations.

The Bachelor of Psychology offered by the University of Wollongong is a four year undergraduate Honours degree accredited by the Australian Psychological Society (APS). The Bachelor of Psychology is a route to Postgraduate coursework or research degrees in Psychology. It is also a partial qualification for registration as a Psychologist with the Psychologists' Registration Board of New South Wales, a post degree supervision period also being required.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.0, with at least 6.0 in reading and writing, and at least 5.0 in speaking and listening.

Course Requirements

For students entering 100-level in 2002 or later, continuation in the course requires, in the psychology subjects approved for the degree, an average result of at least 70% at the end of 100-level, a cumulative average of 70% for 100 & 200-level subjects at the end of 200-level, and a cumulative average of 70% for 200 & 300-level subjects at the end of 300-level.

Course Program

Subjects (by year)		Session	Credit Points
PSYC121	Foundations in Psychology A	Autumn	6
PSYC122	Foundations in Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
PSYC247	Statistics and Measurement 1	Autumn	6
PSYC248	Statistics and Measurement 2	Spring	6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychological and Learning	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC315	Psychology of Abnormality	Spring	8
PSYC348	History and Metatheory of Psychology	Spring	8
PSYC354	Design and Analysis	Spring	8
Plus three elective subjects at 300-level, including at least one of the following:			
PSYC317	Current Issues in Learning and Judgement	Autumn	8
PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC347	Assessment and Intervention	Autumn	8
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC350	Social Behaviour and Individual Differences	Autumn	8

In addition, a further 48 credit points across 100, 200 and 300 levels must be taken from the Health and Behavioural Sciences, Science or General Schedules. Students may include PSYC101 Introduction to Behavioural Science as an elective.

400-level
Students will study in either the Honours or Non-Honours stream. Places within the Honours stream are limited, therefore entry will be on a competitive basis. All students who do not successfully gain entry into Honours will be enrolled in the Non-Honours stream provided they have satisfied the credit level performance to remain in the program.

Honours
The Honours program is made up of:
1. an empirical thesis, consisting of a supervised research project and presented as a 9000 to 12,000 word thesis:
2. a research seminar;
3. an advanced methodology subject (21%), in turn consisting of 2 seminars: Psychology Honours Theory*, and Topics in Data Analysis;
4. Contemporary Issues for Professional and Research Psychologists GHMC988;
5. one of a range of specified postgraduate psychology subjects*;
6. the Honours Meeting.

** A minor theoretical thesis is available in place of Psychology Honours Theory seminar and the Psychology Postgraduate subject.*

Candidates intending to complete Honours as part-time students will generally do advanced methodology, GHMC988 and the theoretical thesis or optional postgraduate subject in the first year, and the empirical thesis and research seminar in the second.

Non-Honours
This program is made up of:
1. A research project, consisting of a 9,000 word supervised thesis;
2. Social Psychology and Health Psychology GHMC984;
3. Contemporary Issues for Professional and Research Psychologists GHMC988;
4. Principles and Practices of Psychological Assessment GHMC985;
5. Advanced Abnormal Psychology GHMC989; and
6. Child and Adolescent Psychology GHMC978.

Professional Recognition

Our degrees are set up to meet the requirements of external bodies such as the APS and the NSW Registration Board, but for information about these professional bodies, their regulations, and about post university practice as a psychologist, please contact these bodies directly.

Bachelor of Science

Testamur Title of Degree:	Bachelor of Science
Abbreviation:	BSc
Home Faculty:	Health and Behavioural Sciences
Duration:	3 years full-time of part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Normally autumn session
Standard Course Fee:	HECS (local); $7950AUD per session (international)
Location:	Wollongong
UOW Course Code:	749
UAC Code:	See UAC code under specific major
CRICOS Code:	020187G

Overview

The Bachelor of Science offered by the Faculty of Health and Behavioural Sciences, course code 749, offers students the opportunity to enrol in a major or double major in a number of disciplines, including Exercise Science, Nutrition, Population Health, and Psychology. Students also may choose a second major from outside the Faculty, such as Biology, Biostatistics, Chemistry, Human Geography, Management, Marketing and others.

Assumed Knowledge

Domestic School Leavers are assumed to have completed at least 2 units of English at HSC level. Some majors also assume that students have completed 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Course Requirements

The Bachelor of Science, Course code 749, is comprised of 144 credit points of subjects listed in the subject schedule for majors in the Faculty of Health and Behavioural Sciences, plus additional elective subjects chosen from the Health and Behavioural Sciences, Science or the General Schedules. For some double majors, more than 144 credit points of subjects may need to be completed. Subjects to a value of at least 90 credit points of subjects must be selected from the Health and Behavioural Sciences schedules. Students may undertake no more than 60 credit points of 100-level subjects. Students should refer to the Award Rules for the Bachelor of Science, course code 749.

Honours

The Bachelor of Science (Honours) is designed to provide students with skills to demonstrate excellence in research with a clear understanding of a research question in relation to current knowledge. The degree program fosters the following abilities and skills: plan, design and perform a research project; collect and analyse data; evaluate data; synthesise results and integrate with relevant ideas and concepts; communicate; and put relevant principles into practice.

Entry into the Bachelor of Science (Hons) requires the student to have attained at least a credit average in subjects undertaken during their undergraduate degree. The Postgraduate coordinator and prospective supervisor will determine whether a student's 300-level subjects are appropriate for entry into the Bachelor of Science (Hons). In addition, admission to the Bachelor of Science (Hons) will be dependent upon the availability of an appropriate supervisor, who must be identified by the applicant before applying for entry. Students considering enrolment in BSc(Hons) should first contact the Department's Postgraduate Coordinator.

Major Study Areas

Exercise Science
Exercise Science and Nutrition
Nutrition
Nutrition and Chemistry
Population Health
Population Health And Human Geography
Population Health And Statistics
Psychology
Psychology and Biology
Psychology and Exercise Science
Psychology and Nutrition

Exercise Science (UAC Code 757642)

The Exercise Science major provides a general introduction to the area of exercise science through the study of anatomy, physiology, exercise physiology, exercise prescription and biomechanics. Students will gain a basic understanding of the anatomical and physiological basis of human motion and the effect of exercise, injury and disease on human performance in sport, industry and in daily living.

Assumed Knowledge

Domestic School Leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Exercise Science Major consists of 144 credit points, including at least 24 credit points at 300-level, as outlined in the course structure below.

Double Majors

Students may undertake double majors in:
Exercise Science and Nutrition (see below)
Exercise Science and Management (Students should consult an academic adviser in both Faculties)

Professional Recognition

Graduates may become full members of the Australian Association for Exercise and Sports Science (AAESS) although further study may be required to achieve professional accreditation.

Credit Towards Other Courses

This degree represents the first 3 years of the 4-year professional Bachelor of Exercise Science and Rehabilitation degree program. Graduates are trained to utilise exercise as an intervention to maintain health and fitness in healthy individuals.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Introductory Organic & Physical Chemistry (or CHEM105)	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BMS211	Foundations of Biomechanics	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
PSYC216	Psychology of Physical Activity	Autumn	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
BMS204	Introduction to Pathophysiology	Spring	6
BMS242	Exercise Physiology	Spring	6
	Plus a further 6 cp from		
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
MGMT102	Business Communications	Autumn	6
POP101	Population Health – Current Health Issues and their Determinants	Spring	6
POP220	Mass Media and Population Health	Autumn	6
Year 3			
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
BMS342	Advanced Exercise Physiology	Autumn	8
BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8
	Plus a further 24 cp from		
BMS354#	Practicum in Exercise Science	Annual	8
BMS302	Research Topics	Autumn/ Spring	8
BMS344	Cardiorespiratory Physiology	Autumn	8
BMS352	Fundamentals of Neuroscience	Autumn	8
BEXS401	Ergonomics	Autumn	8
BMS300	Regional Anatomy	Spring	8
BMS303	Research Topics in Exercise Science	Autumn/ Spring	8
BMS341	Clinical Biomechanics	Spring	8
BMS345	Advanced Topics in Pathophysiology	Spring	8
BMS346	Motor Control and Dysfunction	Spring	8
	Or other approved subjects		

Pre-requisite: BMS203, BMS242. This subject is for BSc (Exercise Science) and BSc (Exercise Science and Nutrition) students only.

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Science Schedules. Subjects to the value of 144 credit points are required for the degree.

Exercise Science and Nutrition (UAC Code 757646)

This double major, Exercise Science and Nutrition, represents the first 3 years of a coordinated five-year integrated undergraduate and postgraduate program of study, with the Master of Science (Nutrition/Dietetics and Exercise Science), designed to produce a combined Dietician and Exercise Science practitioner who has professional accreditation from both the Dieticians Association of Australia (DAA) and the Australian Association for Exercise and Sports Science (AAESS).

Assumed Knowledge

Domestic School Leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Nutrition and Exercise Science Major consists of 150 credit points, as outlined in the course structure below.

Honours

See entry under Bachelor of Science

Professional Recognition

After completion of the Masters program (5 years) students will be able to apply for professional accreditation from the DAA and AAESS.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Introductory Organic & Physical Chemistry (or CHEM105)	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BMS211	Foundations of Biomechanics	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
BMS203	Musculoskeletal Functional Anatomy	Spring	6
CHEM215	Food Chemistry	Autumn	6
BMS242	Exercise Physiology	Spring	6
Plus a further 6 cp from			
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
POP222	Current Issues in Food and Nutrition	Spring	6
Year 3			
BMS204	Introduction to Pathophysiology	Spring	6
BMS310	Community and Public Health Nutrition	Autumn	8
BMS312	Research in Human Nutrition	Autumn/ Annual	8
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
BMS311	Nutrients and Metabolism	Autumn	8
BEXS352	Exercise Prescription 2: Aerobic Conditioning	Autumn	8
BMS346	Motor Control and Dysfunction	Spring	8

Note: If students do not intend to enrol in the MSc (Nutrition and Dietetics and Exercise Rehabilitation) on graduation and wish to qualify for full membership of the professional exercise science association (AAESS), they should complete BMS354 Practicum in Exercise Science instead of BMS204.

Nutrition *UAC Code 757645*

The major in Nutrition provides a general education in the study of human nutrition with core areas of study including biochemistry, nutritional metabolism and community and public health nutrition. The major is designed to meet the prerequisite requirements for admission to the Master of Science (Nutrition and Dietetics) and recognition by the Dieticians Association of Australia (DAA) as a professional Dietician/Nutritionist.

Students who have achieved a credit average in the first two and a half years of this degree will be permitted to apply to transfer into the Bachelor of Nutrition and Dietetics.

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Nutrition Major consists of 144 credit points, as outlined in the course structure below.

Honours

See entry under Bachelor of Science

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Introductory Organic & Physical Chemistry (or CHEM105)	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
PSYC101	Introduction to Behavioural Science	Autumn	6
Or			
SOC103	Sociology A: Aspects of Australian Society	Autumn	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
POP222	Current Issues in Food and Nutrition	Spring	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
MGMT102	Business Communications	Autumn	6
Plus a further 12 cp from			
BMS204	Introduction to Pathophysiology	Spring	6
GEOS246*	A Hungry World: Food Resources and the World Economy	Spring	6
POP101*	Population Health – Current Health Issues and their Determinants	Spring	6
Or other approved subjects			
Year 3			
BMS311	Nutrients and Metabolism	Autumn	8
BMS310	Community and Public Health Nutrition	Autumn	8
BMS312	Research in Human Nutrition	Autumn/ Annual	8
PHIL380	Bioethics	Spring	8
Plus a further 16 cp from			
BMS300	Regional Anatomy	Spring	8
BMS302	Research Topics	Spring	8
BMS345	Advanced Topics in Pathophysiology	Spring	8
BMS346	Motor Control and Dysfunction	Spring	8
POP204	Epidemiology	Spring	6
POP221	Behaviour Change for Population Health	Spring	6
	Or other approved subjects		

* Suggested elective subjects for a "public Health" emphasis to the degree.

Nutrition and Chemistry

This 144 credit point program of study fulfils the requirement for a double major in Nutrition and Chemistry.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths.
International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking.
Alternative pathways exist for mature age domestic students.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Introductory Organic & Physical Chemistry (or CHEM105)	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6

PSYC101	Introduction to Behavioural Science	Autumn	6
Or			
SOC103	Sociology A: Aspects of Australian Society	Autumn	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
POP222	Current Issues in Food and Nutrition	Spring	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
Year 3			
BMS311	Nutrients and Metabolism	Autumn	8
BMS310	Community and Public Health Nutrition	Autumn	8
Plus one subject from the following:			
BMS312	Research in Human Nutrition	Autumn/ Annual	8
PHIL380	Bioethics	Spring	8
BMS301	Regional Anatomy	Spring	8
BMS302	Research Topics	Spring	8
BMS345	Advanced Topics in Pathophysiology	Spring	8
BMS346	Motor Control and Dysfunction	Spring	8
Plus three subjects (24 credit points) from the following:			
CHEM311	Inorganic Chemistry III	Spring	8
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Biological Chemistry	Spring	
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM327	Environmental Chemistry	Autumn	8
CHEM340	Chemistry Laboratory Project	Autumn, Spring, Summer	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8

Other Information

Students are advised to consult an academic adviser in each discipline about subject selection

Population Health *UAC Code 757648*

The Bachelor of Science (Population Health) aims to train students in skills to obtain, review and analyse health information, to plan and manage a health project and to improve the health of populations. The program is designed to do two main things. Firstly, students will learn the basics of the health sector and develop an understanding of the problems involving health, illness, treatment and welfare. Secondly, some really useful skills are developed such as analysing information, researching with people, developing policy, project management and writing for a range of purposes, such as report writing and writing for the media. This means that when you graduate, there are many possibilities with regard to jobs, especially if you take population health in conjunction with another specialty area, such as psychology, nutrition, exercise science, statistics, economics or politics.

Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Major Study

The Population Health Major consists of 88 credit points, as outlined in the course structure below, together with other subjects which may be selected from the Health & Behavioural Sciences, Science or General Schedules to make up the 144 credit points required for the degree. At least 90 credit points must be chosen from subjects offered by the Faculty of Health and Behavioural Sciences.

Double Majors

Students may undertake a double major in:

- Population Health and Human Geography
- Population Health and Psychology
- Population Health and Statistics

Honours

See entry under Bachelor of Science

Course Program

Subjects		Session	Credit Points
100 level			
BMS103	Human Growth Nutrition and Exercise	Autumn	6
POP101	Population Health – Current Issues and their Determinants	Spring	6
STAT151	Introduction to the Concepts & Practice of Statistics	Spring	6
and one of			
ABST150	Introduction to Aboriginal Australia	Autumn/spring	6
Or			
POP103	Introduction to Health Behaviour Change	Spring	6
200 level			
POP201	Contemporary Population Health Issues	Autumn	6
POP202	Promoting Healthy Lifestyles	Autumn	6
POP203	Health Policy	Spring	6
POP204	Epidemiology	Spring	6
300 level			
POP301	Project and Program Design, Management and Evaluation	Not on offer 2004	8
POP302	Analysis and Interpretation of Evidence	Not on offer 2004	8
POP331	Population Health Project A	Autumn/Spring/ Annual	24

** Students taking a joint major with another specialisation should take POP332 Population Health Project B, 8 credit points. Note – students can include additional subjects in Population Health in their degree, including:*

POP102	Sex, Drugs and Rock'n'Roll: public health perspectives	Autumn	6
POP220	Mass Media and Population Health	Autumn	6
POP325	Aboriginal Health Issues	Autumn	8
POP221	Behaviour Change for Population Health	Spring	6

Note: Subjects to the value of at least 90 credit points must be selected from the Science or Health and Behavioural Sciences Schedules. Subjects to the value of 144 credit points are required for the degree.

Other Information

Double degree programs (e.g. with commerce or nursing) are also possible.

Population Health And Human Geography UAC Code 757648

The double major in Population Health and Human Geography consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in Human Geography at the end of the double major degree, additional subjects are required. Students should consult the entry in the Faculty of Science and consult an academic adviser in Geosciences.

The double major in Population Health and Human Geography enables students to pursue two options for their career or further study. The combination of majors is particularly relevant for students who may wish to work in rural or community development or local level social/health policy and planning, for example within local governments.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Course Program

Subjects		Session	Credit Points
100 level			
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
POP101	Population Health – current health issues and their determinants	Spring	6
STAT151	Introduction to the Concepts and Practice of Statistics	Spring	6
and one of			
ABST150	Introduction to Aboriginal Australia	Autumn	6
Or			
POP103	Introduction to Health Behaviour Change	Spring	6
SOC103	Aspects of Australian Society	Autumn	6
EESC104	The Human Environment: problems and change	Spring	6
SOC104	Communication, Media and Society	Spring	6

plus one elective

200 level			
POP201	Contemporary Population Health Issues	Autumn	6
POP202	Promoting Healthy Lifestyles	Autumn	6
EESC205	Population Studies	Autumn	6
EESC203	Introduction to Spatial Science	Autumn	6
POP203	Health Policy	Spring	6
POP204	Epidemiology	Spring	6
EESC206	Environmental Impact of Societies	Spring	6
EESC208	Social Spaces	Spring	6
300 level			
POP301	Project and Program Design, Management and Evaluation	Not on offer 2004	8
POP302	Analysis and Interpretation of Evidence	Not on offer 2004	8
POP332	Population Health Project B	Not on offer 2004	8
EESC307	Spaces, Places and Identities	Autumn	8
and two of			
EESC350	Directed Studies in Earth and Environmental Sciences	Autumn/Spring	8
EESC304	Geographic Information Science	Spring	8
EESC308	Environmental and Heritage Management	Spring	8

Population Health and Psychology *UAC Code 757648 or 757651*

The double major in Population Health and Psychology enables students to pursue two options for their career or further study. Students may progress to advanced level study such as honours or postgraduate courses in either field. In addition, the combination of majors will enable graduates to apply for jobs in specialist areas of population health, such as lifestyle counselling or conduction lifestyle management programs.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW it is necessary to complete an accredited 4-year course of study plus 2 years' supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Double Major

The double major in Population Health and Psychology consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in Psychology at the end of the double major degree, additional subjects are required. Students should consult the information on Honours in the entry for the Psychology major.

Course Program

Subjects		**Session**	**Credit Points**
100 level			
ABST150	Introduction to Aboriginal Australia	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
POP103	Introduction to Health Behaviour Change	Spring	6
PSYC121	Foundations of Psychology A	Autumn	6
PSYC122	Foundations of Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
and one elective			
200 level			
POP201	Contemporary Population Health Issues	Autumn	6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC247	Statistics and Measurement 1	Autumn	6
POP204	Epidemiology	Spring	6
POP221	Behaviour Change for Population Health	Spring	6
PSYC236	Cognition and Perception	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
Note: Psychology Honours also requires that PSYC248 Statistics and Measurement 2 be taken.			
300 level			
POP301	Project and Program Design, Management and Evaluation	Not on offer in 2004	8
POP302	Analysis and Interpretation of Evidence	Not on offer in 2004	8
POP332	Population Health Project B	Not on offer in 2004	8
PSYC315	Psychology of Abnormality	Spring	8

And 2 electives, including at least one from Group A

Group A			
PSYC317	Current Issues in Learning and Judgement	Autumn	8
PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Autumn	8
PSYC352	Psychophysiology	Spring	8
Group B			
PSYC347	Assessment and Intervention	Autumn	8
PSYC350	Social Behaviour and Individual Differences	Autumn	8
PSYC318	Change throughout the life span	Spring	8
PSYC348	History and Metatheory of Psychology	Spring	8

Note: Students wishing to take Psychology Honours should consult the information on Honours listed under the single Major, Psychology, to ensure they complete the required subjects.

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Science Schedules. Subjects to the value of 144 credit points are required for the degree.

Population Health And Statistics *UAC Code 757648*

The double major in Population Health and Statistics enables students to pursue two options for their career or further study. The combination of majors is particularly relevant for students who may wish to work in the area of health surveillance, survey work, research or health services planning. This combination of study areas is unique to the University of Wollongong and reflects an area of high demand in the population health field.

Entry Requirements / Assumed Knowledge

Domestic School Leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Students should consult the information in the Informatics Faculty Handbook concerning Assumed Knowledge and Recommended Studies for entry into the Statistics major.

Double Major

The double major in Population Health and Statistics consists of a minimum of 144 credit points, which comprises all of the subjects in each of the individual majors. If students wish to undertake honours in statistics at the end of the double major degree, additional subjects are required.

Course Program

Subjects		**Session**	**Credit Points**
100 level			
ABST150	Introduction to Aboriginal Australia	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
POP103	Introduction to Health Behaviour Change	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
POP101	Population Health – current health issues and their determinants	Spring	6
Plus one elective			
200 level			
POP201	Contemporary Population Health Issues	Autumn	6
POP202	Promoting Healthy Lifestyles	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
POP203	Health Policy	Spring	6
POP204	Epidemiology	Spring	6
STAT232	Estimation and Hypothesis Testing	Spring	6
And at least one 200-level MATH subject (MATH201, MATH202, MATH203, MATH204, MATH212, MATH222, MATH291, MATH292, MATH293 or MATH294			
300 level			
POP301	Project and Program Design, Management and Evaluation	Not on offer 2004	8
POP302	Analysis and Interpretation of Evidence	Not on offer 2004	8
POP332	Population Health Project B	Not on offer 2004	8
STAT333	Statistical Inference and Multivariate Analysis	Autumn	6
STAT304	Operations Research and Applied Probability	Spring	6
STAT332	Multiple Regression and Time Series	Spring	6
and			
STAT335	Sample Surveys and Experimental Design	Autumn	6
or			
STAT355	Sample Surveys and Experimental Design (with project)	Autumn	8

Psychology *UAC Code 757651*

Psychology is the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and the profession that applies this knowledge to practical problems. Psychologists help us to understand who we are and how we think, feel, act and change. They aim to help people function better, and to prevent ill-health and other problems developing. Psychologists' clients include children, adults, couples, families and organisations.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. All domestic applicants normally apply through the Universities Admission Centre (UAC). Higher School Certificate students will automatically receive a guide and application form from UAC. For HSC students, admission is based on the University Admissions Index (UAI) calculated from HSC results. It is not possible to estimate the UAI cut-off in advance as marks fluctuate from year to year depending on the number and standard of applicants. Alternative pathways exist for mature age domestic students.

Major Study

Students of the BSc will complete the program of study outlined below for a major in Psychology. Additional subjects should be taken in line with the degree requirements to complete the degree.

Double Majors

Students may undertake a double major in:
Population Health and Psychology
Psychology and Biology
Psychology and Exercise Science
Psychology and Nutrition

Honours

Honours in Psychology is a fourth year of study accredited by the Australian Psychological Society (APS). It is offered on a one year full-time or two year part-time basis. Psychology Honours is a route to the Postgraduate coursework or research degrees in Psychology. It is also a partial qualification for registration as a Psychologist with the Psychologist's Registration Board of New South Wales, a post degree supervision period also being required. Graduates of the University of Wollongong with a major in Psychology are eligible for admission to Psychology Honours provided that: they have completed an undergraduate degree curriculum with a major in psychology; they have completed PSYC348 History and Metatheory of Psychology and PSYC354 Design and Analysis (and thus any 200- level prerequisites for PSYC354); they have completed at least 76 credit points of Psychology subjects at 200- and 300- levels; they have at least a credit average for Psychology subjects at 200- and 300- levels.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW it is necessary to complete an accredited 4-year course of study plus 2 years supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Course Program

Subjects [by year]		**Session**	**Credit Points**
PSYC121	Foundations in Psychology A	Autumn	6
PSYC122	Foundations in Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
PSYC247	Statistics and Measurement 1	Autumn	6
PSYC231	Personality	Autumn	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC315	Psychology of Abnormality	Spring	8
And two electives, of which there must be at least one of the following:			
PSYC317	Current Issues in Learning and Judgement	Autumn	8
PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include			
PSYC347	Assessment and Intervention	Autumn	8
PSYC350	Social Behaviour and Individual Differences	Autumn	8
PSYC318	Change Throughout the Lifespan	Spring	8

PSYC348	History and Metatheory of Psychology	Spring	8
PSYC354	Design and Analysis	Spring	8

Other Information

Subjects to the value of at least 90 credit points must be selected from the Health and Behavioural Sciences or Science Schedules. Subjects to the value of 144 credit points are required for the degree.

Psychology and Biology

To complete requirements for the double major in Psychology and Biology, students are required to complete a minimum of 150 credit points of subjects, as outlined in the schedule below.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Honours

Students must complete additional Psychology subjects if they wish to undertake Honours in Psychology. Students should consult the information under Honours in the entry on the Psychology major.

Professional Recognition

To apply for registration as a professional psychologist with the Psychologists Registration Board of NSW it is necessary to complete an accredited 4 year course of study plus 2 years supervised practice. Accreditation with the Australian Psychological Society, the national professional association, requires 6 years of approved academic study.

Course Program

Subjects		Session	Credit Points
Year 1			
PSYC121	Foundations in Psychology A	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
PSYC122	Foundations in Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, biodiversity and Environment	Autumn	6
CHEM102	Chemistry 1B: Introductory Organic & Physical Chemistry (or CHEM105)	Spring	6
Elective subject		Autumn	6
Year 2			
PSYC247	Statistics and Measurement 1	Autumn	6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
PSYC236	Cognition and Perception	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
Plus 4 subjects (24 credit points) from the following:			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
MARE200	Introduction to Oceanography	Autumn	6
Year 3			
PSYC315	Psychology of Abnormality	Spring	8
At least one of the following:			
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC347	Assessment and Intervention	Autumn	8
PSYC348	History and Metatheory of Psychology	Spring	8
PSYC350	Social Behaviour and Individual Differences	Autumn	8
And at least one of the following			
PSYC317	Current Issues in Learning and Judgement	Autumn	8
PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC354	Design and Analysis	Spring	8
Plus three subjects (24 credit points) from the following:			
BIOL303	Biotechnology: Applied Cell & Molecular Biology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8

BIOL321	Cellular and Molecular Immunology	Spring	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
BIOL391	Advanced Biology	Autumn, Spring, Summer	8
BIOL392	Advanced Biology Project	Autumn, Spring, Summer	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8

Other Information

Students are advised to consult an academic adviser in each discipline about subject selection.
Students intending to qualify for an Honours year in Psychology should complete the extra subjects required. Consult the information on Honours under Bachelor of Science (Psychology).

Psychology and Exercise Science

The Psychology and Exercise Science major gives students an opportunity to broaden their expertise, adding a relevant second major to their core focus in either Psychology or Nutrition. The degree requires a minimum of 3 years of full time study and the completion of at least 158 credit points. They may then pursue further studies in the areas of Psychology, Health Psychology, or relate their knowledge of Psychology to further study in areas such as Dietetics, Nutrition, and Health Promotion.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Honours

Students may consider Honours in either Psychology or Exercise Science. Students should consult the information on Honours under the Bachelor of Science.

Professional Recognition

The double major is designed to meet the requirements for entry into Year 4 of the Psychology program within the Department of Psychology, and the Honours program in the Department of Biomedical Science.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
PSYC121	Foundations of Psychology A	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
PSYC122	Foundations of Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BMS203	Musculoskeletal Functional Anatomy	Autumn	6
BMS211	Foundations of Biomechanics	Autumn	6
PSYC247	Statistics and Measurement 1	Autumn	6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
BMS242	Exercise Physiology	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC236	Cognition and Perception	Spring	6
Year 3			
BMS342	Advanced Exercise Physiology	Autumn	8
BEXS352	Exercise Prescription 2: Aerobic Fitness	Autumn	8
BEXS351	Exercise Prescription 1: Strength and Conditioning	Spring	8
PSYC315	Psychology of Abnormality	Spring	8
At least one of the following:			
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC347	Assessment and Intervention	Autumn	8
PSYC348	History and Metatheory of Psychology	Spring	8
PSYC350	Social Behaviour and Individual Differences	Autumn	8
And at least one of the following:			
PSYC317	Current Issues in Learning and Judgement	Autumn	8

PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include:			
PSYC354	Design and Analysis	Spring	8

Students should consult an academic adviser in each program about appropriate sequencing of subjects.

Other Information

Students intending to qualify for an Honours year in Psychology should complete the extra subjects required. Consult the information on Honours under Bachelor of Science (Psychology).

Psychology and Nutrition

This degree is designed to meet the requirements for entry into Year 4 of the Psychology or the Honours program within the Department of Biomedical Science.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed at least 2 units of English at HSC level and 4 units of Science and/or Maths. International students are required to have achieved an IELTS score of 6.0 with at least 6.0 in reading and writing, and at least 5.0 in listening and speaking. Alternative pathways exist for mature age domestic students.

Honours

Students intending to undertake Honours in Psychology should complete the extra subjects required and should consult the information on Honours listed under the Bachelor of Science (Psychology) major.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
PSYC121	Foundations of Psychology A	Autumn	6
BMS112	Human Physiology: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
PSYC122	Foundations of Psychology B	Spring	6
PSYC123	Theory, Design and Statistics in Psychology	Spring	6
Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
PSYC247	Statistics and Measurement 1	Autumn	6
PSYC231	Personality	Autumn	6
PSYC234	Biological Psychology and Learning	Autumn	6
BIOL214	Metabolic Biochemistry	Spring	6
PSYC241	Developmental and Social Psychology	Spring	6
PSYC236	Cognition and Perception	Spring	6
Further elective:			
PSYC235	Introduction to Psychological Assessment	Spring	6
Year 3			
BMS311	Nutrients and Metabolism	Autumn	8
BMS310	Community and Public Health Nutrition	Autumn	8
BMS312	Research in Human Nutrition	Autumn	8
Plus three 8 credit point electives which must include at leat one subject from each of the following groups:			
PSYC315	Psychology of Abnormality	Spring	8
At least one of the following:			
PSYC318	Change Throughout the Lifespan	Spring	8
PSYC347	Assessment and Intervention	Autumn	8
PSYC348	History and Metatheory of Psychology	Spring	8
PSYC350	Social Behaviour and Individual Differences	Autumn	8
And at least one of the following:			
PSYC317	Current Issues in Learning and Judgement	Autumn	8
PSYC345	Memory and Language	Autumn	8
PSYC349	Visual Perception	Spring	8
PSYC352	Psychophysiology	Spring	8
And may include			
PSYC354	Design and Analysis	Spring	8

Other Information

Students should consult an academic adviser in each program about appropriate sequencing of subjects.
Students intending to qualify for an Honours year in Psychology should complete the extra subjects required. Consult the information on Honours under Bachelor of Science (Psychology).

Bachelor of Science (Nutrition)
TAFE Certificate IV in Hospitality (Catering Operations)

Testamur Title of Degree:	Bachelor of Science (Nutrition), TAFE Certificate IV in Hospitality (Catering Operations)
Abbreviation:	BSc(Nutr),TAFE Certificate IV in Hospitality
Home Faculty:	Health and Behavioural Sciences
Duration:	4 years full-time
Total Credit Points:	124 cp UOW; 764 hr TAFE
Delivery Mode:	Day
Starting Session(s):	Autumn
Standard Course Fee:	HECS (Local); International $7,950 per session
Location:	Wollongong
UOW Course Code:	749
UAC Code:	757645
CRICOS Code:	Not applicable

Overview

The Bachelor of Science (Nutrition)/TAFE Certificate IV in Hospitality (Catering Operations) combined program provides a sound training in nutritional science and its applications to human nutrition, as well as practical food service management skills.

Entry Requirements / Assumed Knowledge

Domestic school leavers are assumed to have completed any two units of English, plus four units of Science and/or Maths. Recommended Studies: English Advanced. International students are required to have achieved an IELTS score of 6, with a level of 6 in reading and writing, and 5 in speaking and listening.

Course Requirements

The Bachelor of Science (Nutrition)/TAFE Certificate IV in Hospitality (Catering Operations) combined program requires students to undertake 4 years of full-time study and the completion of at least 124 credit points from the University of Wollongong, and 764 hours at TAFE

Honours

See entry under Bachelor of Science

Professional Recognition

Graduates would be eligible to be members of the Institute of Hospitality and Healthcare.

Course Program

Subjects		Session	Credit Points
Year 1			
BMS101	Systemic Anatomy	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical & General Chemistry (or CHEM104)	Autumn	6
PSYC101	Introduction to Behavioural Science	Autumn	6
or			
SOC103	Sociology A: Aspects of Australian Society	Autumn	6
BMS103	Human Growth, Nutrition and Exercise	Autumn	6
BMS112	Human Physiology 1: Principles and Systems	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102	Chemistry 1B: Introductory Organic and Physical Chemistry (or CHEM105)	Spring	6
4500H	*Hygiene*		*18 hr*
4501M	*Food Safety Systems*		*18 hr*
4781C	*Food Service Systems*		*36 hr*

Year 2			
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
CHEM215	Food Chemistry	Autumn	6
MGMT102	Business Communications	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
POP222	Current Issues in Food and Nutrition	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
4500B	*Food Preparation and Service*		*36 hr*
4565A	*Practical Catering 1*		*84 hr*
Year 3			
BMS310	Community and Public Health Nutrition	Autumn	8
BMS311	Nutrients and Metabolism	Autumn	8
4565G	*Food Service in Practice*		*90 hr*
PHIL380	Bioethics	Spring	8
2642B	*Supervision*		*36 hr*
4567A	*Catering Supervision in Practice*		*90 hr*
2643D	*Staffing Hospitality*		*27 hr*
4571A	*Hospitality Colleagues and Customers*		*24 hr*
4571B	*Hospitality Industry*		*18 hr*
Year 4			
BMS312	Research in Human Nutrition	Autumn	8
4566A	*Practical Catering 2A – Community*		*36 hrs*
4565D	*Cook-Chill Catering*		*27 hr*
4501D	*Food Service Settings – Aged Care*		*18 hr*
4564A	*Catering Commodities*		*18 hr*
6639C	*Quality Management in Nutrition Services*		*18hr*
6639A	*Administration-Health Care Facilities*		*36 hr*
BMS304	Research Topics in Nutrition and Dietetics	Spring	16
5779F	*Food Presentation*		*10 hr*
6634B	*Food Service Planning*		*36 hr*
6635A	*Australian Cuisine*		*54 hr*
4501K	*Work Experience*		*34 hr*

Other Information

Students are advised to consult the course coordinator about subject selection and enrolment in the TAFE component.

Double Degrees

Bachelor of Medical Science - Bachelor of Commerce

Bachelor of Psychology – Bachelor of Commerce

Bachelor of Science (Exercise Science) - Bachelor of Commerce

Bachelor of Science (Nutrition) - Bachelor of Commerce

Bachelor of Science (Psychology) - Bachelor of Commerce

Bachelor of Science - Bachelor of Laws (Health and Behavioural Sciences Major)

Bachelor of Medical Science - Bachelor of Laws

Students may combine their Health and Behavioural Sciences studies with studies in a number of other faculties and qualify for the award of two degrees. Double degrees are designed for students to complete two degrees in less time than it would normally take. Double degrees are offered with Commerce and Law, and may be available with other faculties after consultation with the Sub-Deans.

- Students must seek advice and approval from both faculties.
- Candidates must satisfy the entry requirements of both degree programs.
- Double degrees, where both degrees are normally of three years duration will be a minimum of 216 credit points and take a minimum of four years to complete.
- Double degrees, where one of the degrees is normally of four years duration will be a minimum of 264 credit points and take a minimum of five years to complete.
- Students may be given exemptions where equivalences exist between subjects.

For all double degrees, candidates are required to complete subjects from the Health and Behavioural Sciences schedule, including core subjects and subjects to satisfy the requirements of one of the Health and Behavioural Sciences majors or degrees. Candidates should be aware that the number of credit points required by each major varies.

Candidates must also satisfy the requirements for the second degree, which would usually include a major study.

Additional Information

Criminal Record Checks

As part of the 'whole of government' approach to child protection, the NSW Department of Health requires all students in health related courses to undergo a criminal record check. The criminal record check shall be completed before a student can attend any clinical placement in a Public Health facility. Students need to give their consent to such a check and will submit a signed consent form through their university. Consent forms are available from universities. Checks are done through the NSW Police Service and coordinated by the Department of Health. At present there is no cost to either the student or university for this service. When the check is completed the student will be issued with a Clearance Letter, which has to be produced whenever they attend a clinical placement. The Letter must not be photocopied or duplicated in any way. Lost, mislaid or mutilated Clearance Letters are replaced on application from the student with payment of a fee. If a student receives a positive result from the check it will not necessarily exclude them from a clinical placement. Each situation will be individually assessed in a confidential consultation between the student and a representative of the Department of health.

An additional requirement came into effect with new child protection legislation enacted in July 2000. The university will provide another form to the student called the Prohibited Employment Declaration. The Declaration must also be completed before any clinical placement. The completed and signed declaration is returned to the university and will be held by us. The Health Department does not issue or administer this form.

Infectious diseases

Students required to complete clinical training in the NSW hospital system will be subject to various guidelines and procedures laid down for health workers by the NSW Department of Health, including guidelines regarding infectious diseases. In the hospital system, you will be exposed to a large number and variety of individuals, some of whom may have a communicable disease such as tuberculosis, measles, mumps, rubella, diphtheria, poliomyelitis, HIV or Hepatitis B. This may place you at risk of acquiring one of these diseases. In other cases, if you have a communicable disease, you may place your clients at risk.

For your protection, and for the protection of your potential clients, you are recommended to have vaccinations before you begin clinical work. Evidence of your vaccination status may be required by certain clinical placements/agencies before attendance. If your vaccinations are incomplete, opportunities for placement may be limited and your progress in the course could be affected. Some categories of health care workers – nurses, doctors, dentists, dental technicians, podiatrists and physiotherapists – also have regulated individual responsibility with regard to infection control. You should familiarise yourself with these responsibilities.

Health care workers who are either HIV antibody positive or Hepatitis B e-antigen or Hepatitis B DNA positive or Hepatitis C PCR positive must not perform exposure prone procedures. Expert medical advice should be obtained by infected people on their infectious status and the extent to which this may limit their clinical practice.

Faculty of Informatics

Member Units

School of Electrical, Computer and Telecommunications Engineering

School of Information Technology and Computer Science

School of Mathematics and Applied Statistics

Degrees Offered

Single Degrees

Bachelor of Computer Bioinformatics

Bachelor of Computer Geoinformatics

Bachelor of Computer Science

Bachelor of Engineering (Computer Engineering)

Bachelor of Engineering (Electrical Engineering)

Bachelor of Engineering (Internet Engineering)

Bachelor of Engineering (Telecommunications Engineering)

Bachelor of Information and Communication Technology

Bachelor of Information Technology

Bachelor of Internet Science and Technology

Bachelor of Mathematics

Bachelor of Mathematics (Advanced)

Bachelor of Mathematics and Economics

Bachelor of Mathematics and Finance

Bachelor of Mathematics Education

Bachelor of Mathematical Sciences

Double Degrees

Bachelor of Computer Science - Bachelor of Laws

Bachelor of Computer Science - Bachelor of Science

Bachelor of Creative Arts - Bachelor of Computer Science

Bachelor of Engineering - Bachelor of Arts

Bachelor of Engineering - Bachelor of Commerce

Bachelor of Engineering - Bachelor of Mathematics

Bachelor of Engineering - Bachelor of Science

Bachelor of Engineering - Bachelor of Computer Science

Bachelor of Engineering - Bachelor of Mathematics

Bachelor of Information and Communication Technology - Bachelor of Laws

Bachelor of Mathematics - Bachelor of Computer Science

Bachelor of Mathematics - Bachelor of Laws

Bachelor of Science – Bachelor of Mathematics

Bachelor of Computer Bioinformatics

Testamur Title of Degree:	Bachelor of Computer Bioinformatics
Abbreviation:	BCompBioinf
Home Faculty:	Informatics
Duration:	4 years or part-time equivalent
Total Credit Points:	198
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	890
UAC Code:	754102
CRICOS Code:	039554M

Overview

This degree is designed to produce graduates who are, first and foremost, highly trained in relevant areas of computer science and mathematics but who also possess knowledge and skills in molecular biology and related biological science.

The degree has two strands, non-Honours (coursework) and Honours (including a substantial research project).

Entry Requirements / Assumed Knowledge

Approximate UAI: 77

Assumed Knowledge: Any two units of English plus Mathematics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

To qualify for the award of the degree Bachelor of Computer Bioinformatics (BCompBioinf), students must complete 198 credit points as detailed, over four years full-time (or equivalent part-time). Students who achieve a WAM of greater than 67.5 will undertake the Honours strand in their final year, while other students will continue in the non-Honours strand.

Course Program

Subjects		Session	Credit Points
Year 1			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Spring	6
Plus			
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
or			
CHEM104	Chemistry 1D (Introductory Chemistry)	Autumn	6
Plus			
CHEM102	Chemistry 1B: Introductory Organic & Physical Chemistry	Spring	6
or			
CHEM105	Chemistry 1E (Introductory Chemistry)	Spring	6
Plus			
MATH141	Mathematics 1C Part 1	Autumn	6
or			
MATH187	Mathematics 1A Part 1	Autumn	6
Plus			
MATH142	Mathematics 1C Part 2	Spring	6
or			
MATH188	Mathematics 1A Part 2	Spring	6
Year 2			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL215	Introductory Genetics	Spring	6
CSCI124	Object Programming	Autumn	6
CSCI204	The C Family and Unix	Spring	6
CSCI222	Systems Development	N/A in 2004	6
CSCI235	Databases	Spring	6
Plus			
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
or			
MATH203	Linear Algebra	Autumn	6
Plus one CSCI 200-level elective subject			6

Year 3

BIOL303	Biotechnology: Applied Molecular and Cell Biology	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CSCI315	Database Design and Implementation	Autumn	6
CSCI321	Project	Annual	12
MATH111	Applied Mathematical Modelling 1	Spring	6
STAT231	Probability and Random Variables	Autumn	6
Plus			
STAT304	Operations Research and Applied Probability	Spring	6
or			
CSCI323	Artificial Intelligence	Spring	6

Year 4 (Honours) - WAM >67.5

BIOL320	Molecular Cell Biology	Autumn	8
INFO403	Computer Bioinformatics Honours Project	Annual	24
INFO411	Data Mining and Knowledge Discovery	Spring	6
Plus			
STAT304	Operations Research and Applied Probability	Spring	6
Or			
CSCI464	Neural Computing	Autumn	6
Plus one 300/400 Level elective chosen from the Biology, Computer Science or Mathematics Schedules.			6 or 8

Year 4 (Non-Honours)

BIOL320	Molecular Cell Biology	Autumn	8
INFO411	Data Mining and Knowledge Discovery	Spring	6
Plus			
STAT304	Operations Research and Applied Probability	Spring	6
or			
CSCI464	Neural Computing	Autumn	6
Plus 300/400 level electives chosen from the Biology, Computer Science or Mathematics Schedules, of which at least 24 credit points must be at 400 level.			30

Honours

To qualify for an award of Honours, students must satisfactorily complete the requirements listed in Year 4 (Honours) of the Course Program above. The classes of Honours awarded are defined in the Course Rules.

Bachelor of Computer Geoinformatics

Testamur Title of Degree:	Bachelor of Computer Geoinformatics
Abbreviation:	BCompGeoinf
Home Faculty:	Informatics
Duration:	4 years or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	793
UAC Code:	754103
CRICOS Code:	043414M

Overview

Geoinformatics is the combination of information technology, computer programming, remote sensing and data layering techniques known as geographical information systems (GIS) designed to analyse and interpret spatial data.

Geographical Information Systems (GIS) is a technique for processing and managing spatial data. The outcome of GIS emphasises the efficient interpretation of spatial knowledge. It is used extensively by government planning organisations and industry, but is increasingly being used in a wider range of applications.

This degree integrates aspects of information technology, computer programming and spatial analysis techniques to comprehensively train a student in this growing field of spatial data processing and management. The degree provides grounding in the fundamentals of landscape recognition and interpretation in fields such as mineralogy, biogeography, soils, marine science and climatology, as well as the relevant areas of computer science and information technology.

This degree has two strands, non-Honours (coursework) and Honours (including a substantial research project).

Entry Requirements / Assumed Knowledge

Approximate UAI: 77

Assumed Knowledge: Any two units of English plus Mathematics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Course Requirements

To qualify for the award of the degree of Bachelor of Computer Geoinformatics, students must satisfactorily complete 192 credit points, as detailed, over four years full-time (or equivalent part-time). Students achieving a WAM of greater than 67.5 will undertake the Honours strand in their final year, while other students will continue in the non-Honours strand.

Course Program

Subjects		Session	Credit Points
Year 1			
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Autumn	6
CSCI124	Object Programming	Spring	6
MATH121	Discrete Mathematics	Autumn	6
Plus three of the following:			
EESC101	Planet Earth	Autumn	6
EESC102	Earth Environments and Resources	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
EESC104	The Human Environment: Problems and Change	Spring	6
Plus one of the following:			
MATH141	Mathematics 1C Part 1	Autumn	6
MATH161	Mathematics 1E Part 1	Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
CSCI235	Databases	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
EESC204	Introductory Spatial Science	Spring	6
Plus any three 200-level EESC subjects			18
Year 3			
CSCI315	Database Design and Implementation	Autumn	6
CSCI336	Computer Graphics	Autumn	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment	Autumn	8
Plus any 300-level CSCI subject			6
Plus any 300-level EESC subject			8
Year 4 (Honours) - WAM > 67.5			
INFO411	Data Mining and Knowledge Discovery	Spring	6
EESC403	Geoinformatics Honours	Annual	36
Plus any 400-level INFO or IACT subject			6
Year 4 (Non-Honours)			
INFO411	Data Mining and Knowledge Discovery	Spring	6
Plus 300/400 level electives chosen from the Earth and Environmental Sciences, Computer Science and/or Mathematics Schedules. At least 24 credit points must be at 400-level from the Computer Science and/or Mathematics Schedule.			42

Note: a credit or higher in STAT252 is required before enrolling in STAT355.

Honours

To qualify for an award of Honours, students must satisfactorily complete the requirements listed in Year 4 (Honours) of the Course Program above. The classes of Honours awarded are defined in the Course Rules.

Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Computer Science (name of major)
Abbreviation:	BCompSc
Home Faculty:	Informatics
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong; Dubai UAE; INTI College, Kuching, Sarawak, Malaysia.
UOW Course Code:	766, DB766, MY766
UAC Code:	754101
CRICOS Code:	012088K

Overview

Computer scientists design and write programs for computer applications. These applications include computer systems to control machinery, the analysis of stock market trends, games design, visualisation of chemical reactions, neural network design, computational geometry for robot navigation, automatic teller machines and patient monitoring in hospitals.

Computer programming is the science of writing computer software to solve problems. Computer science is the study of algorithmic processes that describe and transform information: theory, analysis, design, efficiency, programming and application.

This degree includes a core of programming subjects as well as electives in database, languages, artificial intelligence, computer security, computer graphics, operating systems, real-time software and software engineering.

A high point of the degree is the third year project where students form teams to develop computer applications. High-achieving students may complete a fourth year Honours degree.

UOW's Computer Science degree allows you to specialise in software development, distributed systems or digital systems security, as well as study other disciplines including management, visual arts, languages, commerce and mathematics. You can take subjects from another discipline, study a second major or enrol in a double degree.

Entry Requirements / Assumed Knowledge

Approximate UAI: 77

Assumed Knowledge: Any two units of English plus Mathematics.

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

To qualify for the award of the degree of Bachelor of Computer Science, a candidate shall accrue an aggregate of at least 144 credit points by satisfactory completion of:

1. the following core subjects:

CSCI102	Systems
CSCI103	Algorithms & Problem Solving
CSCI114	Procedural Programming
CSCI124	Object Programming
MATH121	Discrete Mathematics
STAT131	Understanding Variation & Uncertainty
CSCI203	Algorithms and Data Structures
CSCI204	The C Family and Unix
CSCI212	Interacting Systems
CSCI222	Systems Development
CSCI321	Project

2. an additional 24 credit points of 300-level subjects, of which 12 credit points must be CSCI subjects. Note that at least 24 credit points of 300-level subjects, including CSCI321, must be at pass grade or better.
3. no more than 60 credit points at 100-level.
4. at least 48 credit points of subjects chosen from the Computer Science Schedule and/or the General Schedule (see the list of recommended subjects from the General Schedule).
5. no more than 24 credit points (ie 1/6) of subjects at PC grade.

Areas of Major Study

Students enrolled in this degree can major in:

Computer Science
Digital Systems Security
Distributed Systems
Software Development

Approved second majors are available in:

Biological Sciences
Business Information Systems
Chemistry
Electronic Commerce
Electronics
English Language Studies
Geosciences
Management
Marketing
Mathematics

All majors are outlined in detail below.

All candidates are expected to consult with the School and Faculty advisers before committing themselves completely to any particular pattern, whether outlined below or not.

Computer Science Schedule

The following subjects are approved for inclusion in the Bachelor of Computer Science degree.

Subjects		Session	Credit Points
100-Level			
CSCI102	Systems	Spring	6
CSCI103	Algorithms & Problem Solving	Autumn/ Spring	6
CSCI112	Fundamentals of Computer Science	Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
CSCI124	Object Programming	Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH141	Mathematics 1C - Part I	Autumn	6
MATH142	Mathematics 1C - Part II	Spring	6
MATH187	Mathematics 1A - Part 1	Autumn	6
MATH188	Mathematics 1A - Part 2	Spring	6
STAT131	Understanding Variation & Uncertainty	Autumn/ Spring	6
200-Level			
CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
CSCI214	Distributed Systems	Spring	6
CSCI222	Systems Development	N/A in 2004	6
CSCI235	Databases	Spring	6
CSCI236	3D Modelling & Animation	N/A in 2004	6
CSCI262	Systems Security	Spring	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
ITCS201	Markup Languages	Autumn	6
MATH203	Linear Algebra	Autumn	6
300-Level			
CSCI311	Software Process Management	Autumn	6
CSCI313	Professional Programming Practices	N/A in 2004	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI317	Database Performance Tuning	Spring	6

CSCI321	Project	Annual	12
CSCI322	Systems Administration	Spring	6
CSCI323	Artificial Intelligence	Spring	6
CSCI324	Human Computer Interface	Spring	6
CSCI325	Software Engineering Formal Methods	Autumn	6
CSCI333	Compilers	N/A in 2004	6
CSCI334	Interfacing and Real Time Programming	Spring	6
CSCI336	Computer Graphics	Autumn	6
CSCI337	Organisation of Programming Languages	Spring	6
CSCI361	Computer Security	Autumn	6
CSCI365	Computer Science Honours Preliminary	N/A in 2004	6
CSCI368	Network Security	Spring	6
CSCI370	Special Topics in Computer Science A	N/A in 2004	6
CSCI371	Special Topics in Computer Science B	N/A in 2004	6
CSCI372	Special Topics in Computer Science C	N/A in 2004	6
CSCI373	Special Topics in Computer Science D	N/A in 2004	6
CSCI399	Server Technology	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT303	World Wide Networking	Spring	6
IACT304	eBusiness Fundamentals	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
ITCS401	Exploiting Collaborative Technologies	N/A in 2004	6

400-Level

CSCI407	Corba & Enterprise Java	Spring	6
CSCI408	Distributed Java	N/A in 2004	6
CSCI425	Topics in Software Engineering	Autumn	6
CSCI444	Perception and Planning	Spring	6
CSCI445	Parallel Computing	N/A in 2004	6
CSCI446	Multi-Media Studies	Autumn	6
CSCI450	Software Engineering Requirements & Specifications	Spring	6
CSCI457	Advanced Topics in Database Management	Spring	6
CSCI463	Advanced Computer Graphics	N/A in 2004	6
CSCI464	Neural Computing	Autumn	6
CSCI465	Design and Analysis of Algorithms	N/A in 2004	6
CSCI466	Coding for Secure Communication	N/A in 2004	6
CSCI467	Complexity Theory	N/A in 2004	6
CSCI471	Advanced Computer Security	Spring	6
INFO411	Data Mining and Knowledge Discovery	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
INFO413	Information Theory	Spring	6
ITCS429	Introduction to Health Informatics	Spring	6
ITCS430	Concepts and Issues in Healthcare Computing	Autumn	6
ITCS431	Advanced Web Application Development	Spring	6
ITCS432	Web Design	Spring	6
ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6

Honours

Candidates who achieve a credit average or better in the Bachelor of Computer Science or a major in computer science in another degree are eligible to enrol in an additional year of study towards a Bachelor of Computer Science (Honours) (BCompSc(Hons)).

To qualify for the award of the Bachelor of Computer Science (Honours), candidates must complete CSCI401. The level of honours awarded at the completion of the course is determined in accordance with University Course Rule 8.4(2).

The program of study for BCompSc(Hons), (ie CSCI401 Computer Science IV Honours) is 48 credit points and will include:

1. an 18 credit point project;
2. 30 credit points of 400-/900-level Postgraduate Computer Science subjects;
3. with the permission of the Head of School, candidates may substitute up to 12 credit points of subjects with 300-level Computer Science subjects or 400-level subjects from another discipline;
4. attendance at a series of seminars on research methodology in Autumn Session is compulsory (including quantitative and qualitative analysis). Seminars will cover the purpose of research, formulating a research question, conducting a literature review and writing a research proposal. Students will learn how to design an appropriate research plan; requirements for scholarly writing will also be discussed and the process of undertaking a research project will be analysed.

Individual results for subjects attempted will not be released. Instead, the final result for CSCI401 will be calculated from the total results for the project and subjects. Set out below are a sample of subjects which may be taken as part of the BCompSc(Hons):

- Topics in Software Engineering

- Perception and Planning
- Parallel Architectures and Algorithms
- Multi-Media Studies
- Advanced Topics in Database Management
- Advanced Computer Graphics
- Neural Computing
- Design and Analysis of Algorithms
- Coding for Secure Communication
- Complexity Theory
- Network Security
- Advanced Computer Security

Joint Honours with Computer Science

CSCI405 – Computer Science Joint Honours comprises one half of CSCI401 and is available to students who wish to undertake a joint honours project. This is particularly suited to students who have undertaken a double major in the BCompSc degree. A thesis topic will be determined in consultation with both academic units.

Major Study Areas

Computer Science (code CS18)

Major Study

To satisfy the requirements for a major study in Computer Science, a student shall satisfactorily complete the BCompSc core subjects, as listed above, and an additional 12 credit points of 300-level CSCI subjects.

Double Majors

A major in Computer Science can be combined with Biological Sciences, Business Information Systems, Chemistry, Electronic Commerce, Electronics, English Language Studies, Geosciences, Management, Marketing or Mathematics. Second major requirements are listed below.

Digital Systems Security (code CS42)

Major Study

To satisfy the requirements for a major study in Digital Systems Security, a student shall satisfactorily complete the BCompSc core subjects, as listed above, and the following additional subjects:

Subjects		Session	Credit Points
200-Level			
CSCI214	Distributed Systems	Spring	6
CSCI262	Systems Security	Spring	6
300-Level			
CSCI361	Computer Security	Autumn	6
CSCI368	Network Security	Spring	6

Double Majors

A major in Digital Systems Security can be combined with Distributed Systems (code CS44), Software Development (code CS45) or Computer Science (code CS43). Second major requirements are listed below.

Distributed Systems (code CS19)

Major Study

To satisfy the requirements for a major study in Distributed Systems, a student shall satisfactorily complete the BCompSc core subjects, as listed above, and the following additional subjects:

Subjects		Session	Credit Points
200-Level			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
CSCI214	Distributed Systems	Spring	6
300-Level			
CSCI322	Systems Administration	Spring	6
CSCI399	Server Technology	Autumn	6

Double Majors

A major in Distributed Systems can be combined with Business Information Systems, Electronic Commerce, Electronics or Software Development (code CS28). Second major requirements are listed below.

Software Development (code CS20)

Major Study

To satisfy the requirements for a major study in Software Development, a student shall satisfactorily complete the BCompSc core subjects, as listed above, and the following additional subjects:

Subjects		Session	Credit Points
200-Level			
CSCI205	Development Methods and Tools	Spring	6
CSCI235	Databases	Spring	6
300-Level			
CSCI311	Software Process Management	Autumn	6
CSCI325	Software Engineering Formal Methods	Autumn	6

Double Majors

A major in Software Development can be combined with Business Information Systems, Electronic Commerce, Electronics or Distributed Systems (code CS28). Second major requirements are listed above and below.

Computer Science and Biological Sciences (code CS32)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of one of the following 60 credit point majors in Biological Sciences:

Environmental and Ecological Strand

Subjects		Session	Credit Points
100-Level			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
200-Level			
BIOL240	Organisms and their Life Cycles	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6

Note: STAT252 is equivalent to STAT131. Students undertaking this double major may choose to replace STAT131 with STAT252.

300-Level			
BIOL332	Comparative Physiology: Adaptation and Environment	Autumn	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8

Cell and Molecular Strand

Subjects		Session	Credit Points
100-Level			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
CHEM102	Chemistry 1B: Introductory Organic and Physical Chemistry	Spring	6
200-Level			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL215	Introductory Genetics	Spring	6
300-Level			
BIOL320	Molecular Cell Biology	Autumn	8
BIOL303	Biotechnology	Autumn	8
BIOL321	Cellular and Molecular Immunology	Spring	8

Computer Science and Business Information Systems (code CS35)
Distributed Systems and Business Information Systems (code CS40)
Software Development and Business Information Systems (code CS41)

This double major requires satisfactory completion of a major study in Computer Science, Distributed Systems or Software Development and satisfactory completion of a major study in Business Information Systems, as outlined in the Bachelor of

Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Business Information Systems major. All students must satisfy subject prerequisites except where waivers have been granted.

Computer Science and Chemistry (code CS33)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of the following 60 credit point major in Chemistry:

Subjects		Session	Credit Points
100-Level			
Either			
CHEM101	Chemistry 1A: Introductory Physical and General Chemistry	Autumn	6
or			
CHEM104	Chemistry 1D (Introductory Chemistry)	Autumn	6
Plus either			
CHEM102	Chemistry 1B: Introductory Organic and Physical Chemistry	Spring	6
or			
CHEM105	Chemistry 1E (Introductory Chemistry)	Spring	6
200-Level			
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
300-Level			
At least 3 subjects chosen from the following			
CHEM311	Inorganic Chemistry III	Spring	8
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Biological Chemistry	Spring	8
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM327	Environmental Chemistry	Autumn	8
CHEM340	Chemistry Laboratory Project	Autumn/ Spring/ Summer	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8

Computer Science and Electronic Commerce (code CS36)
Distributed Systems and Electronic Commerce (code CS30)
Software Development and Electronic Commerce (code CS29)

This double major requires satisfactory completion of a major study in Computer Science, Distributed Systems or Software Development and satisfactory completion of the following 54 credit point major study in Electronic Commerce:

Subjects		Session	Credit Points
200-Level			
IACT201	Information Technology and Citizens' Rights	Autumn	6
Plus			
200-level Electronic Commerce subjects			18
300-Level			
IACT303	World Wide Networking	Spring	6
Plus			
300/400-level Electronic Commerce subjects			18
Plus			
200/300-level Electronic Commerce subject			6

Note: Students should choose electives carefully as many of the following subjects have pre-requisites. Depending upon subject choice, a load of more than four subjects per session may be required to complete this double major within the normal three year period.

Electronic Commerce Subjects			
ACCY231	Information Systems in Accounting	Spring	6
ACCY332	Advanced Information Systems in Accounting	Autumn	6
ACCY335	Systems Analysis and Design in Accounting and Finance	Spring	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed Information Systems	Autumn	6
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
CSCI214	Distributed Systems	Spring	6
CSCI236	3D Modelling & Animation	N/A in 2004	6
CSCI311	Software Process Management	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI399	Server Technology	Autumn	6

ECON230	Quantitative Analysis for Decision Making	Spring	6
ECON312	Industrial Economics	Autumn	6
ECON319	Electronic Commerce and the Economics of Information	Spring	6
FIN353	Global Electronic Finance	Autumn	6
IACT304	eBusiness Fundamentals	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT417	Information Management	Autumn	6
IACT419	Online Information Services	Spring	6
ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
LAW210	Contract Law	Spring	6
LAW317	E-Commerce Law	N/A in 2004	6
LAW331	Intellectual Property Law	N/A in 2004	6
MARK301	Marketing on the Internet	Spring	6
MGMT200	Management and Electronic Business	Spring	6
MGMT300	Innovation and Electronic Commerce	Spring	6

Computer Science and Electronics (code CS37)
Distributed Systems and Electronics (code CS38)
Software Development and Electronics (code CS39)

This double major requires satisfactory completion of a major study in Computer Science, Distributed Systems or Software Development and satisfactory completion of the following 66 credit point major study in Electronics:

Subjects		Session	Credit Points
100-Level			
ECTE101	Electrical Engineering 1	Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
Note:			
MATH187 may be replaced by MATH141/161			
MATH188 may be replaced by MATH142/162			
200-Level			
ECTE202	Circuits and Systems	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
300-Level			
ECTE313	Electronics	Autumn/ Spring	6
ECTE333	Digital Hardware 2	Spring	6
ECTE344	Control Theory	Autumn	6
Plus			
ECTE301	Digital Signal Processing 1	Spring	6
or			
ECTE363	Communication Theory	Autumn	6

Note: a load of more than four subjects per session may be required to complete this double major within the normal three year period.

Computer Science and English Language Studies (code CS08)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of a major study in English Language Studies, as outlined in the Bachelor of Arts entry.

Note that a major in English Language Studies for Non-English Speaking Background (NESB) students consists of 58 credit points, while a major in English Language Studies for English Speaking Background (ESB) students consists of 52 credit points.

Computer Science and Geosciences (code CS34)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of the following 60 credit point major in Geosciences:

Subjects	Session	Credit Points
100-Level		
At least two 100-level subjects chosen from the Earth and Environmental Sciences Schedule		12
200-Level		
At least four 200-level subjects chosen from the Earth and Environmental Sciences Schedule		24
300-Level		
At least three 300-level subjects chosen from the Earth and Environmental Sciences Schedule		24

Computer Science and Management (code CS09)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of a major study in Management, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Management major. All students must satisfy subject prerequisites except where waivers have been granted.

Computer Science and Marketing (code CS10)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of a major study in Marketing, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Marketing major. All students must satisfy subject prerequisites except where waivers have been granted.

Computer Science and Mathematics (code CS01)

This double major requires satisfactory completion of a major study in Computer Science and satisfactory completion of at least 60 credit points of subjects chosen from the Mathematics Schedule, including at least 18 credit points of 200-level MATH/STAT subjects and 24 credit points of 300-level MATH/STAT subjects.

Professional Recognition

The Bachelor of Computer Science has recently been revised, therefore re-accreditation by the Australian Computer Society as meeting requirements for membership at a "Professional level" is currently being sought.

Bachelor of Engineering

Testamur Title of Degree:	Bachelor of Engineering (name of major)
Abbreviation:	BE
Home Faculty:	Informatics
Duration:	4 years or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	722E
UAC Code:	755621, 755622, 755623, 755624.
CRICOS Code:	006985E

Overview

The aim of the Bachelor of Engineering degree is to produce professional engineers, who possess the graduate attributes of the University and Engineers Australia and the requisite knowledge, skills and attitudes to further develop in their chosen careers; and who graduate with the proficiency to compete successfully anywhere in the world. The success of the degree in meeting this aim is evidenced by the number of graduates employed by large corporations in Australia, the United Kingdom, the United States of America, Europe and Asia.

The degree programs offered are enriched by the industry partnerships, which exist between the University and industry. Traditionally, Engineering at Wollongong has had close ties with the Port Kembla Steel Industry and these continue today. Research activities have diversified over the years with the establishment of major research institutes and centres in fields such as Telecommunications and Information Technology and Power Quality.

There are four majors within the degree, viz., Computer, Electrical, Internet and Telecommunications Engineering. For three of the majors, Computer, Electrical and Telecommunications Engineering, the program of study is common until the end of the second year, providing students with the opportunity to finally select the major of their choice at the end of that year. For the Internet Engineering degree specialisation starts in the first year of study. Details of each major are presented in the sections below.

In addition, four double degrees are offered with the Computer, Electrical and Telecommunications Engineering majors. The double degrees provide the opportunity for students to combine their engineering studies with a Bachelor of Arts, Bachelor of Commerce, Bachelor of Mathematics or Bachelor of Science. Full details of the programs of study for the double degrees are presented in the next section.

Entry Requirements / Assumed Knowledge

Approximate UAI: 80

Assumed Knowledge: Any two units of English plus Mathematics and two units of science.

Recommended studies: English Advanced, HSC Mathematics Extension 1 and Physics.

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

The degree may be completed in a minimum of four years of full-time study, however, subjects are scheduled so that it may also be undertaken on a part-time basis, in which case the duration will depend upon the particular circumstances of the student. Progression is by subject but the various subject pre- and co-requisites must be satisfied.

There is a recommended program for a full-time, four year minimum course and a preferred part-time program for students in approved, full-time professional employment. For holders of TAFE Certificates and Associate Diplomas, programs will be determined on an individual basis but exemptions of up to 48 credit points may apply.

For the recommended full-time program, students are required to complete satisfactorily the first year before beginning the third year and to complete satisfactorily the second year before beginning the fourth year. With the approval of the Head of School, these requirements may be waived.

For the recommended part-time program, students are required to complete satisfactorily the first two stages before beginning the fourth stage and to complete satisfactorily the third stage before beginning the sixth stage. With the approval of the Head of School, these requirements may be waived.

All BE students must sit for and perform satisfactorily in an English Literacy Test organised by the School in association with the Student Learning Development Centre. The test will be held during the first session of a student's enrolment at the University. It is a requirement of the degree that the student perform satisfactorily in at least one such test prior to enrolment in ECTE457 Thesis.

Students who are deemed to require tuition in literacy in order to complete this requirement will be advised accordingly and will be required to repeat the literacy test the following year. Enrolment in and attendance at literacy courses will be the individual responsibility of the students concerned.

Professional Experience

All BE students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between Years 3 and 4.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year. The classes of honours awarded are defined in the Course Rules.

Major Study Areas

Computer Engineering

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Note:			
MATH187 may be replaced by MATH141/161			
MATH188 may be replaced by MATH142/162			
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
Or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE250	Engineering Design and Management 2	Annual	6
ECTE233	Digital Hardware 1	Autumn	6

MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Year 3			
ECTE313	Electronics	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE363	Communication Theory	Autumn	6
CSCI205	Development Methods and Tools	Spring	6
ECTE301	Digital Signal Processing 1	Spring	6
ECTE333	Digital Hardware 2	Spring	6
Plus	Computer Option	Spring	6
Year 4			
ECTE457	Thesis	Annual	18
CSCI311	Software Process Management	Autumn	6
ECTE431	Real-time Computing	Autumn	3
ECTE432	Computer Systems	Autumn	3
Plus	2 Final Year Specialisation Subjects	Autumn	6
	4 Final Year Specialisation Subjects	Spring	12

Recommended Part-Time Program for Students in Full-Time, Approved Professional Employment

Subjects		Session	Credit Points
Stage 1			
ECTE150	Engineering Design and Management 1	Annual	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Note:			
MATH187 may be replaced by MATH141/161			
MATH188 may be replaced by MATH142/162			
Stage 2			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE233	Digital Hardware 1	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
Stage 3			
CSCI204	The C Family and Unix	Autumn/ Spring	6
Or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
Stage 4			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Computer Option	Autumn/ Spring	6
Stage 5			
ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
CSCI205	Development Methods and Tools	Spring	6
ECTE301	Digital Signal Processing 1	Spring	6
Stage 6			
ECTE313	Electronics	Annual	6
CSCI311	Software Process Management	Autumn	6
ECTE431	Real-time Computing	Autumn	3
ECTE432	Computer Systems	Autumn	3
Plus	4 Final Year Specialisation Subjects	Spring	12
Stage 7			
ECTE457	Thesis	Annual	18
Plus	2 Final Year Specialisation Subjects	Autumn	6

Final Year Specialisation Subjects

These will be selected from the following list of subjects. Unless class numbers warrant, only eight subjects will be offered in any year.

Note: A pre-requisite of "all year 2 subjects or equivalent" applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Fast Signal Processing Algorithms	Autumn/ Spring	3
ECTE402	Stochastic Signal Processing	Autumn/ Spring	3
ECTE403	Image and Video Processing	Autumn/ Spring	3
ECTE404	Adaptive Signal Processing	Autumn/ Spring	3
ECTE405	Speech and Audio Processing	Autumn/ Spring	3
ECTE411	AC-Sourced Power Electronics	Autumn/ Spring	3
ECTE412	DC-Sourced Power Electronics	Autumn/ Spring	3
ECTE413	Micro-Electronics	Autumn/ Spring	3
ECTE421	Power Quality	Autumn/ Spring	3
ECTE422	Power Quality Monitoring	Autumn/ Spring	3
ECTE423	Power Systems	Autumn/ Spring	3
ECTE424	Power System Abnormalities	Autumn/ Spring	3
ECTE425	Industrial Drives and Actuators	Autumn/ Spring	3
ECTE426	Power Equipment Design	Autumn/ Spring	3
ECTE441	Intelligent Control	Autumn/ Spring	3
ECTE442	Computer Controlled Systems	Autumn/ Spring	3
ECTE443	Digital Control	Autumn/ Spring	3
ECTE444	Identification and Optimal Control	Autumn/ Spring	3
ECTE461	Telecommunications Queuing Theory	Autumn/ Spring	3
ECTE462	Telecommunications System Modelling	Autumn/ Spring	3
ECTE463	Transmission Systems	Autumn/ Spring	3
ECTE464	Antennas and Propagation	Autumn/ Spring	3
ECTE465	Wireless Communications	Autumn/ Spring	3
ECTE466	Spread Spectrum Communications	Autumn/ Spring	3
ECTE467	Mobile Networks	Autumn/ Spring	3
ECTE468	Error Control Coding	Autumn/ Spring	3
ECTE471	Robotics Manipulators	Autumn/ Spring	3
ECTE472	Robotics Sensory Control	Autumn/ Spring	3
ECTE481	Internet Protocols	Autumn/ Spring	3
ECTE482	Internet Engineering	Autumn/ Spring	3
ECTE483	Computer Networking	Autumn/ Spring	3
ECTE484	Network Design and Analysis	Autumn/ Spring	3
ECTE485	Internet Communications	Autumn/ Spring	3
ECTE486	Telecommunications Network Management	Autumn/ Spring	3

Computer Option

Year 3/Stage 4:
With the approval of the Head of School, students may select:

(a) one six credit point, 200 or 300 or 400-level subject from those listed in the General Schedule and offered by EITHER:

(i) the School of Information Technology and Computer Science (CSCI, IACT or ITCS) ; or
(ii) the School of Mathematics and Applied Statistics (MATH or STAT).

OR

(b) ECTE281 Embedded Internet Systems.

Note that this selection may be constrained by pre- and co-requisites and timetabling.

Electrical Engineering

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Note:			
MATH187 may be replaced by MATH141/161			
MATH188 may be replaced by MATH142/162			
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6

ECTE250	Engineering Design and Management 2	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Year 3			
ECTE313	Electronics	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE323	Power Engineering 2	Autumn	6
ECTE344	Control Theory	Autumn	6
ECTE363	Communication Theory	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
ECTE333	Digital Hardware 2	Spring	6
Plus	Electrical Option	Spring	
Year 4			
ECTE457	Thesis	Annual	18
Plus	6 Final Year Specialisation Subjects	Autumn	18
	4 Final Year Specialisation Subjects	Spring	12

Recommended Part-Time Program for Students in Full-Time, Approved Professional Employment

Subjects		**Session**	**Credit Points**
Stage 1			
ECTE150	Engineering Design and Management 1	Annual	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Note:			
MATH187 may be replaced by MATH141/161			
MATH188 may be replaced by MATH142/162			
Stage 2			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE233	Digital Hardware 1	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
Stage 3			
CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
Stage 4			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE323	Power Engineering 2	Autumn	6
ECTE344	Control Theory	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Stage 5			
ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
Plus	Electrical Option	Autumn/ Spring	6
Stage 6			
ECTE313	Electronics	Annual	6
Plus	4 Final Year Specialisation Subjects	Autumn	12
	4 Final Year Specialisation Subjects	Spring	12
Stage 7			
ECTE457	Thesis	Annual	18
Plus	2 Final Year Specialisation Subjects	Autumn	6

Final Year Specialisation Subjects

These will be selected from the following list of subjects. Unless class numbers warrant, only 12 subjects will be offered in any year.

Note: A pre-requisite of 'all Year 2 subjects or equivalent' applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Fast Signal Processing Algorithms	Autumn/ Spring	3
ECTE402	Stochastic Signal Processing	Autumn/ Spring	3
ECTE403	Image and Video Processing	Autumn/ Spring	3
ECTE404	Adaptive Signal Processing	Autumn/ Spring	3
ECTE405	Speech and Audio Processing	Autumn/ Spring	3
ECTE411	AC-Sourced Power Electronics	Autumn/ Spring	3
ECTE412	DC-Sourced Power Electronics	Autumn/ Spring	3
ECTE413	Micro-Electronics	Autumn/ Spring	3
ECTE421	Power Quality	Autumn/ Spring	3
ECTE422	Power Quality Monitoring	Autumn/ Spring	3
ECTE423	Power Systems	Autumn/ Spring	3
ECTE424	Power System Abnormalities	Autumn/ Spring	3
ECTE425	Industrial Drives and Actuators	Autumn/ Spring	3
ECTE426	Power Equipment Design	Autumn/ Spring	3
ECTE431	Real-time Computing	Autumn/ Spring	3
ECTE432	Computer Systems	Autumn/ Spring	3
ECTE441	Intelligent Control	Autumn/ Spring	3
ECTE442	Computer Controlled Systems	Autumn/ Spring	3
ECTE443	Digital Control	Autumn/ Spring	3
ECTE444	Identification and Optimal Control	Autumn/ Spring	3
ECTE461	Telecommunications Queuing Theory	Autumn/ Spring	3
ECTE462	Telecommunications System Modelling	Autumn/ Spring	3
ECTE463	Transmission Systems	Autumn/ Spring	3
ECTE464	Antennas and Propagation	Autumn/ Spring	3
ECTE465	Wireless Communications	Autumn/ Spring	3
ECTE466	Spread Spectrum Communications	Autumn/ Spring	3
ECTE467	Mobile Networks	Autumn/ Spring	3
ECTE468	Error Control Coding	Autumn/ Spring	3
ECTE471	Robotics Manipulators	Autumn/ Spring	3
ECTE472	Robotics Sensory Control	Autumn/ Spring	3
ECTE481	Internet Protocols	Autumn/ Spring	3
ECTE482	Internet Engineering	Autumn/ Spring	3
ECTE483	Computer Networking	Autumn/ Spring	3
ECTE484	Network Design and Analysis	Autumn/ Spring	3
ECTE485	Internet Communications	Autumn/ Spring	3
ECTE486	Telecommunications Network Management	Autumn/ Spring	3

With the approval of the School Head, two Final Year Specialisation Subjects may be replaced by a suitable equivalent subject offered by another Department or School.

Electrical Option

Year 3/Stage 5:
With the approval of the Head of School, students may select:

(a) one six credit point, 200 or 300 or 400-level subject from those listed in the General Schedule and offered by the School of Mathematics and Applied Statistics (MATH or STAT); or

(b) ECTE281 Embedded Internet Systems.

Note that this selection may be constrained by pre- and co-requisites and timetabling.

Internet Engineering

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE150	Engineering Design and Management 1	Autumn	6
ECTE181	WWW Engineering	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
ECTE182	Internet Technology 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6

Note:
MATH187 may be replaced by MATH141/161
MATH188 may be replaced by MATH142/162

Year 2			
ECTE202	Circuits and Systems	Annual	6
ECTE250	Engineering Design and Management 2	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
ECTE282	Internet Systems	Autumn	6

MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
ECTE283	Internet Technology 2	Spring	6
Year 3			
ECTE350	Engineering Design and Management 3	Annual	6
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
ECTE281	Embedded Internet Systems	Autumn	6
ECTE363	Communication Theory	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
ECTE381	Internet Engineering 1	Spring	6
Plus	2 Internet Options	Autumn/ Spring	12
Year 4			
ECTE457	Thesis	Annual	18
ECTE481	Internet Protocols	Autumn	3
ECTE482	Internet Engineering	Autumn	3
Plus	4 Final year specialisation subjects	Autumn	12
	4 Final year specialisation subjects	Spring	12

Final Year Specialisation Subjects

These will be selected from the following list of subjects. Unless class numbers warrant, only ten subjects will be offered in any year.

Note: A pre-requisite of 'all Year 2 subjects or equivalent' applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.

Subjects		**Session**	**Credit Points**
ECTE431	Real-time Computing	Autumn/ Spring	3
ECTE432	Computer Systems	Autumn/ Spring	3
ECTE441	Intelligent Control	Autumn/ Spring	3
ECTE461	Telecommunications Queuing Theory	Autumn/ Spring	3
ECTE462	Telecommunications System Modelling	Autumn/ Spring	3
ECTE465	Wireless Communications	Autumn/ Spring	3
ECTE466	Spread Spectrum Communications	Autumn/ Spring	3
ECTE467	Mobile Networks	Autumn/ Spring	3
ECTE468	Error Control Coding	Autumn/ Spring	3
ECTE484	Network Design and Analysis	Autumn/ Spring	3
ECTE486	Telecommunications Network Management	Autumn/ Spring	3

Internet Option

With the approval of the Head of School, students may select two six credit point, 300-level subjects offered by:

(a) the School of Information Technology and Computer Science (CSCI, IACT or ITCS); or

(b) the School of Mathematics and Applied Statistics (MATH or STAT); or

(c) the School of Electrical, Computer and Telecommunications Engineering (ECTE).

Note that this selection may be constrained by pre- and co-requisites and timetabling.

Telecommunications Engineering

Recommended Full-Time Program

Subjects		**Session**	**Credit Points**
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Note:			
MATH187 may be replaced by MATH141/161			
MATH188 may be replaced by MATH142/162			
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
Or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE250	Engineering Design and Management 2	Annual	6
ECTE233	Digital Hardware 1	Autumn	6

MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Year 3			
ECTE301	Digital Signal Processing 1	Spring	6
ECTE313	Electronics	Annual	6
ECTE333	Digital Hardware 2	Autumn	6
ECTE344	Control Theory	Autumn	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
ECTE364	Telecommunication Networks 1	Autumn	6
ECTE381	Internet Engineering 1	Spring	6
Year 4			
ECTE457	Thesis	Annual	18
ECTE461	Telecommunications Queuing Theory	Autumn	3
ECTE462	Telecommunications System Modelling	Autumn	3
Plus	2 Final Year Specialisation Subjects	Autumn	6
	4 Final Year Specialisation Subjects	Spring	12
	Telecommunications Option	Autumn/ Spring	6

Recommended Part-Time Program for Students in Full-Time, Approved Professional Employment

Subjects		Session	Credit Points
Stage 1			
ECTE150	Engineering Design and Management 1	Annual	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Note:			
MATH187 may be replaced by MATH141/161			
MATH188 may be replaced by MATH142/162			
Stage 2			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE233	Digital Hardware 1	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
Stage 3			
CSCI204	The C Family and Unix	Autumn/ Spring	6
Or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
MATH283	Mathematics 2E for Engineers, Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
Stage 4			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE333	Digital Hardware 2	Autumn	6
ECTE344	Control Theory	Autumn	6
ECTE381	Internet Engineering 1	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Stage 5			
ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
ECTE364	Telecommunication Networks 1	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
Stage 6			
ECTE313	Electronics	Annual	6
ECTE461	Telecommunications Queuing Theory	Autumn	3
ECTE462	Telecommunications System Modelling	Autumn	3
	4 Final Year Specialisation Subjects	Spring	12
Plus	Telecommunications Option	Autumn/ Spring	6
Stage 7			
ECTE457	Thesis	Annual	18
Plus	2 Final Year Specialisation Subjects	Autumn	6

Final Year Specialisations Subjects

These will be selected from the following list of subjects. Unless class numbers warrant, only eight subjects will be offered in any year.

Note: A pre-requisite of 'all Year 2 subjects or equivalent' applies to EACH Final Year Specialisation Subject in addition to any other pre- or co-requisite given.

Subjects		Session	Credit Points
ECTE401	Fast Signal Processing Algorithms	Autumn/ Spring	3
ECTE402	Stochastic Signal Processing	Autumn/ Spring	3
ECTE403	Image and Video Processing	Autumn/ Spring	3
ECTE404	Adaptive Signal Processing	Autumn/ Spring	3
ECTE405	Speech and Audio Processing	Autumn/ Spring	3
ECTE412	DC-Sourced Power Electronics	Autumn/ Spring	3
ECTE413	Micro-Electronics	Autumn/ Spring	3
ECTE431	Real-time Computing	Autumn/ Spring	3
ECTE432	Computer Systems	Autumn/ Spring	3
ECTE441	Intelligent Control	Autumn/ Spring	3
ECTE463	Transmission Systems	Autumn/ Spring	3
ECTE464	Antennas and Propagation	Autumn/ Spring	3
ECTE465	Wireless Communications	Autumn/ Spring	3
ECTE466	Spread Spectrum Communications	Autumn/ Spring	3
ECTE467	Mobile Networks	Autumn/ Spring	3
ECTE468	Error Control Coding	Autumn/ Spring	3
ECTE481	Internet Protocols	Autumn/ Spring	3
ECTE482	Internet Engineering	Autumn/ Spring	3
ECTE484	Network Design and Analysis	Autumn/ Spring	3
ECTE486	Telecommunications Network Management	Autumn/ Spring	3

Telecommunications Option

Year 4/ Stage 6:
With the approval of the Head of School, students may select:

(a) one six credit point, 200 or 300 or 400-level subject from those listed in the General Schedule and offered by EITHER:

(i) the School of Information Technology and Computer Science (CSCI, IACT or ITCS); or
(ii) the School of Mathematics and Applied Statistics (MATH or STAT).

OR

(b) ECTE281 Embedded Internet Systems.

Note that this selection may be constrained by pre- and co-requisites and timetabling.

Professional Recognition

The Bachelor of Engineering (Computer Engineering) degree is accredited by Engineers Australia, the Australian Computer Society and the Singapore Professional Engineers Board.

The Bachelor of Engineering (Electrical Engineering) degree is accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering (Internet Engineering) degree is provisionally accredited by Engineers Australia.

The Bachelor of Engineering (Telecommunications Engineering) degree is accredited by Engineers Australia.

Bachelor of Information and Communication Technology

Testamur Title of Degree:	Bachelor of Information and Communication Technology
Abbreviation:	BInfoTech
Home Faculty:	Informatics
Duration:	4 years or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	706A
UAC Code:	754111, 754112, 754115.
CRICOS Code:	003291D

Overview

This degree is designed to provide graduates with the necessary knowledge and skills to be successful in the dynamic and changing world of Information Technology (IT).

The degree meets the needs of future IT professionals by ensuring students are taught foundation skills in areas such as programming, World Wide Web applications and the technical management of IT. In addition, students are equipped with the

knowledge that enables them to make sense of changing business environments, the role of IT in this change and where this change is likely to lead.

Students undertake a major in one of the following areas:

- Business Information Systems
- eBusiness Management
- eBusiness Technologies
- Network and Systems Management
- Software Engineering

In providing a multi-disciplinary approach to the study of Information Technology (IT), students may combine the major studies listed above or complete a second major in an area such as Electronic Commerce, Data Analysis, Marketing or Modelling.

In addition, students may choose subjects from Multimedia, Management, Law, Communications and Science and Technology Studies.

Students are awarded an Honours degree if they perform at a sufficiently high level throughout their studies and enrol in the research project subjects in their fourth year.

Entry Requirements / Assumed Knowledge

Approximate UAI: 80

Assumed Knowledge: Any two units of English plus Mathematics

For entry requirements for students 21 and over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

A candidate must satisfactorily complete the following requirements to be eligible for the award of the degree of Bachelor of Information and Communication Technology:

1. Candidates must satisfactorily complete at least 192 credit points of subjects prescribed in one of the major studies listed below. The programs listed below are guidelines as to how best to proceed through the course. Candidates may enrol as they see fit, but must satisfactorily complete all prescribed compulsory subjects, and the credit points prescribed for electives, and satisfy all other requirements listed below to be eligible for the award.
2. No more than 60 credit points may be 100-level subjects.
3. At least 36 credit points must be 300-level subjects.
4. At least 42 credit points must be chosen from the IACT 400-Level Subject List.
5. All students must satisfactorily complete one of IACT450 or IACT451 (admission to IACT450 is subject to conditions noted in paragraph 6 below). Students may not gain credit for the completion of both subjects.
6. To be eligible for the award of honours, candidates must satisfactorily complete IACT441 and IACT450 within the 42 credit points prescribed in requirement 4.
7. Subject to any other individual subject pre- and co-requisites, entry into 400-level IACT subjects will be permitted upon satisfactory completion of 120 credit points of subjects approved in this program.
8. Entry to IACT441 will be based on:

    a) overall academic performance,
    b) a weighted average mark (WAM) of at least 67.5, and
    c) approval from the Head of School.

    Candidates should refer to the Course Rules for calculations of WAMs.

Industry Placement
BInfoTech students must satisfactorily complete two 8 week periods of approved industry placement, assessed in the form of written reports. These are normally undertaken in the summer sessions at the end of second and third year.

In exceptional circumstances where a student has proven substantive work experience in relevant industry they may apply to be exempted from the Industry placement, but, if approved, will be required to undertake an alternative task(s) as specified by the Head of School.

Major Study Areas

Students enrolled in this degree can must complete one of the following approved major studies or combined major studies:

ITE	Software Engineering
ITB	Network and Systems Management
ITD	Business Information Systems
ITI	eBusiness Management
ITJ	eBusiness Technologies
ITEB	Software Engineering / Network and Systems Management
ITED	Software Engineering / Business Information Systems
ITBD	Network and Systems Management / Business Information Systems
ITEE	Software Engineering / Marketing
ITBE	Network and Systems Management / Marketing
ITDE	Business Information Systems / Marketing
ITEF	Software Engineering / Data Analysis
ITBF	Network and Systems Management / Data Analysis
ITDF	Business Information Systems / Data Analysis
ITEG	Software Engineering / Modelling
ITBG	Network and Systems Management / Modelling
ITDG	Business Information Systems / Modelling
ITEH	Software Engineering / Electronic Commerce
ITBH	Network and Systems Management / Electronic Commerce
ITDH	Business Information Systems / Electronic Commerce
ITDI	Business Information Systems / eBusiness Management
ITDJ	Business Information Systems / eBusiness Technologies
ITIJ	eBusiness Management / eBusiness Technologies

Additional Subjects List

The following subjects are approved for inclusion in the BInfoTech degree.

When choosing subjects from the Additional Subject List, it is recommended that students examine sequences suggested in the handouts produced by the School. Check subject information to ensure that pre- and co-requisites are met.

Subjects		Session	Credit Points
ACCY100	Accounting IA	Autumn	6
ACCY102	Accounting IB	Spring	6
ACCY231	Information Systems in Accounting	Spring	6
ACCY380	Accounting for Information Technology	Autumn/ Spring	6
BUSS102	Computer Systems	Autumn	6
BUSS111	Business Programming I (not to count with CSCI114)	Spring	6
BUSS201	User-Centered Business Programming	Autumn	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS213	Multimedia in Organisations	Spring	6
BUSS214	Business Programming II	Autumn	6
BUSS215	Business Programming III	Spring	6
BUSS218	Systems Design and Architecture	Spring	6
BUSS308	Computer Systems Management	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed Information Systems	Autumn	6
BUSS315	Knowledge-Based Information Systems	Autumn	6
BUSS316	Information Systems Prototyping	Spring	6
BUSS317	Business Programming IV	Spring	6
COMM351	Business Ethics and Governance	N/A in 2004	6
CCS105	Introduction to Communications and Cultural Studies	Autumn	6
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn/ Spring	6
CSCI112	Fundamentals of Computer Science	Spring	6
CSCI114	Procedural Programming (not to count with BUSS111)	Autumn/ Spring	6
CSCI124	Object Programming	Spring	6
CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI213	Java Programming and The Internet	Autumn/ Spring	6
CSCI214	Distributed Systems	Spring	6
CSCI222	Systems Development	N/A in 2004	6
CSCI235	Databases	Spring	6
CSCI236	3D Modelling and Animation	N/A in 2004	6
CSCI262	Systems Security	Spring	6
CSCI311	Software Process Management	Autumn	6
CSCI313	Professional Programming Practices	N/A in 2004	6
CSCI315	Database design and Implementation	Autumn	6

CSCI317	Database Performance Tuning	Spring	6
CSCI321	Software Project	Annual	12
CSCI322	Systems Administration	Spring	6
CSCI325	Software Engineering Formal Methods	Autumn	6
CSCI333	Compilers	N/A in 2004	6
CSCI334	Interfacing and Real Time Programming	Spring	6
CSCI336	Computer Graphics	Autumn	6
CSCI337	Organisation of Programming Languages	Spring	6
CSCI361	Computer Security	Autumn	6
CSCI368	Network Security	Spring	6
CSCI399	Server Technology	Autumn	6
ECON101	Macroeconomic Essentials for Business	Autumn/ Spring	6
ECON111	Introductory Microeconomics	Autumn/ Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/ Spring	8
ECON319	Electronic Commerce and the Economics of Information	Spring	8
EDUE313	Interactive Multimedia by Design	Autumn	6
EDUE314	Interactivity and The Web	Spring	6
EDUE413	Managing Multimedia Resources	Autumn	6
EDUE414	Cognition, Interface and Interactivity	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
ECTE182	Internet Technology 1	Spring	6
ECTE195	Design and Management	Autumn	6
ECTE233	Digital Hardware I	Autumn	6
ECTE282	Internet Systems	Autumn	6
ECTE283	Internet Technology II	Spring	6
ECTE333	Digital Hardware II	Spring	6
ECTE363	Communication Theory	Autumn	6
ECTE364	Telecommunications Networks 1	Autumn	6
ECTE491	Computer Architectures	Autumn	6
ELS151	Introduction to English for Academic Purposes: Second Language Perspective	Autumn/ Spring	6
ELS152	English Language Studies	Spring	6
ELS161	English for Academic Purposes: First Language Perspective	Autumn	6
IACT303	World Wide Networking	Spring	6
IACT304	eBusiness Fundamentals	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
ITCS201	Markup Languages	Autumn	6
ITCS301	Exploiting Collaborative Technologies	N/A in 2004	6
LAW100	Law in Society	Autumn	6
LAW210	Contract Law	Spring	6
LAW331	Intellectual Property Law	N/A in 2004	6
LAW348	Media Law	Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH141	Mathematics 1C Part 1	Autumn	6
MATH142	Mathematics 1C Part 2	Spring	6
MATH161	Mathematics 1E Part 1	Spring	6
MATH162	Mathematics 1E Part 2	Summer	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH302	Differential Equations 3	Spring	6
MATH312	Applied Mathematical Modelling 3	Autumn	6
MATH313	Industrial Mathematical Modelling	Spring	6
MGMT102	Business Communications	Autumn	6
MGMT110	Introduction to Management and Employment Relations	Autumn/ Spring	6
MGMT200	Management and Electronic Business	Spring	6
MGMT201	Organisational Behaviour	Autumn	6
MGMT202	Management of Change	Spring	6
MGMT220	Organisational Analysis	Autumn	6
MGMT300	Innovation and Electronic Commerce	Spring	6
MGMT314	Business Policy	Autumn	6
MGMT321	Management of Occupational Health and Safety	Spring	6
MGMT398	Human Resource Management	Autumn	6
MARK101	Marketing Principles	Autumn/ Spring	6
MARK217	Consumer Behaviour	Autumn	6
MARK270	Services Marketing	Autumn	6
MARK301	Marketing on the Internet	Spring	6
MARK317	Business to Business Marketing	Autumn	6
MARK343	International Marketing	Spring	6
MARK344	Marketing Strategy	Spring	6
MARK356	New Product Marketing	Autumn	6
MARK359	Sales Management	Spring	6
MARK397	Retail Marketing Management	Spring	6

PHYS142	Fundamentals of Physics B	Spring	6
POL111	Introduction to Politics	Autumn	6
POL224	Politics and the Media	Spring	8
POL225	International Relations: An Introduction	Autumn	8
SOC241	Culture and Communication	N/A in 2004	8
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	8
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
STAT332	Multiple Regression And Time Series	Spring	6
STAT304	Operations Research and Applied Probability	Spring	6
STS100	Social Aspects of Science and Technology	Autumn	6
STS116	Environment in Crisis: Technology and Society	Spring	6
STS221	Technology in Society: East and West	Spring	6
STS228	Computers in Society II	Spring	8
STS241	Information and Communication Theory	Spring	6

or any subject approved by the Head of School

IACT 400 level Subjects

Note: pre-requisites for all 400-level subjects is a minimum of 24 credit points at 300-level

Subjects		Session	Credit Points
IACT401	IT Strategic Planning	Spring	6
IACT402	Applied Project Management	Autumn	6
IACT403	Human Computer Interface	Spring	6
IACT404	International Telecommunications Policy Issues	N/A in 2004	6
IACT405	Information Technology and Innovation	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT416	Organisational Issues in Information Technology	N/A in 2004	6
IACT417	Information Management	Autumn	6
IACT418	Corporate Network Management	Autumn	6
IACT419	On-Line Information Services	Spring	6
IACT422	Case Studies in Information Technology Applications	Spring	6
IACT424	Corporate Network Design and Implementation	Spring	6
IACT426	Information Society, Knowledge Work and Information Technology	N/A in 2004	6
IACT430	Special Topics in Information and Communication Technology	N/A in 2004	6
IACT431	Special Topics in Information and Communication Technology - A	N/A in 2004	6
IACT432	Special Topics in Information and Communication Technology - B	N/A in 2004	6
IACT433	Special Topics in Telecommunications Issues	N/A in 2004	6
IACT441	IT Research Methodology	Autumn	6
IACT450	Research Report	Spring	18
CSCI407	Corba & Enterprise Java	Spring	6
CSCI408	Distributed Java	N/A in 2004	6
CSCI425	Topics in Software Engineering	Autumn	6
CSCI444	Perception and Planning	Spring	6
CSCI445	Parallel Computing	N/A in 2004	6
CSCI446	Multimedia Studies	Autumn	6
CSCI450	Software Engineering Requirements and Specifications	Spring	6
CSCI457	Advanced Topics in Database Management	Spring	6
CSCI463	Advanced Computer Graphics	N/A in 2004	6
CSCI464	Neural Computing	Autumn	6
CSCI465	Design and Analysis of Algorithms	N/A in 2004	6
CSCI466	Coding for Secure Communication	N/A in 2004	6
CSCI467	Complexity Theory	N/A in 2004	6
CSCI471	Advanced Computer Security	Spring	6
INFO411	Data Mining & Knowledge Discovery	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
INFO413	Information Theory	Spring	6
ITCS429	Concept and Issues in Healthcare Computing	Spring	6
ITCS430	Introduction to Health Informatics	Autumn	6
ITCS431	Advanced Web Application Development	Spring	6
ITCS432	Web Design	Spring	6
ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6

Note: Not all subjects available every year.

Honours

To qualify for an award of Honours students must satisfactorily complete IACT441 and IACT450 and any other requirements listed in Year 4 (Honours) of one of the Major study programs listed below.

Students intending to do Honours should apply and be accepted by the end of December of the previous year.

Major Study Areas

Software Engineering (code ITE)

Major Study

To satisfy the requirements for a major study in Software Engineering, a student shall satisfactorily complete the following program:

Subjects		Session	Credit Points
Year 1			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Autumn	6
CSCI124	Object Programming	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
ECTE182	Internet Technology I	Spring	6
Plus 100-level subjects chosen from the Additional Subjects List, or second major subjects.			12
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI235	Databases	Spring	6
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
Plus 200-level subjects chosen from the Additional Subjects List, or second major subjects.			12
Year 3			
CSCI311	Software Process Management	Autumn	6
CSCI321	Project	Annual	12
CSCI325	Software Engineering Formal Methods	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
Plus 200/300-level subjects chosen from the Additional Subjects List, or second major subjects.			12
Year 4 (non-Honours)			
IACT451	IT Project	N/A in 2004	12
Plus two subjects chosen from:			
CSCI425	Topics in Software Engineering	Autumn	6
CSCI450	Software Requirement and Specifications	Spring	6
IACT402	Applied Project Management	Autumn	6
Plus additional subjects chosen from the IACT400 Level Subjects List			18
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6
Year 4 (Honours)			
IACT441	IT Research Methodology	Autumn	6
IACT450	Research Report	Spring	18
Plus two subjects chosen from:			
CSCI425	Topics in Software Engineering	Autumn	6
CSCI450	Software Requirement and Specifications	Spring	6
IACT402	Applied Project Management	Autumn	6
Plus one subject chosen from the IACT400 Level Subjects List			6
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6

Double Major

A major in Software Engineering can be combined with Network and Systems Management, Business Information Systems, Marketing, Data Analysis, Modelling or Electronic Commerce.

Network and Systems Management (code ITB)

Major Study

To satisfy the requirements for a major study in Network and Systems Management, a student shall satisfactorily complete the following program:

Subjects		Session	Credit Points
Year 1			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn/ Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
CSCI124	Object Programming	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
ECTE182	Internet Technology I	Spring	6
Plus 100-level subjects chosen from the Additional Subjects List, or second major subjects.			12
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
ECTE283	Internet Technology II	Spring	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
Plus 200-level subjects chosen from the Additional Subjects List, or second major subjects.			12
Year 3			
CSCI322	Systems Administration	Spring	6
CSCI399	Server Technology	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
Plus 200/300-level subjects chosen from the Additional Subjects List, or second major subjects.			24
Year 4 (Non-Honours)			
IACT451	IT Project	N/A in 2004	12
IACT418	Corporate Network Management	Autumn	6
IACT424	Corporate Network Design and Implementation	Spring	6
Plus additional subjects chosen from the IACT400 Level Subjects List			18
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6
Year 4 (Honours)			
IACT441	IT Research Methodology	Autumn	6
IACT450	Research Report	Spring	18
IACT418	Corporate Network Management	Autumn	6
IACT424	Corporate Network Design and Implementation	Spring	6
Plus one subject chosen from the IACT400 Level Subjects List			6
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6

Double Major

A major in Network and Systems Management can be combined with Software Engineering, Business Information Systems, Marketing, Data Analysis, Modelling or Electronic Commerce. Second major requirements are listed below.

Business Information Systems (code ITD)

Major Study

To satisfy the requirements for a major study in Business Information Systems, a student shall satisfactorily complete the following program:

Subjects		Session	Credit Points
Year 1			
CSCI102	Systems	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
Plus either:			
BUSS111	Business Programming I	Spring	6
or			
CSCI114	Procedural Programming	Autumn/ Spring	6
Plus 100-level subjects chosen from the Additional Subject List, or second major subjects			18
Plus 100-level subjects chosen from the General Schedule			12
Year 2			
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS214	Business Programming II	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
Plus 200-level subjects chosen from the Additional Subject List, or second major subjects			18
Note: BUSS218 is strongly recommended by not mandatory			
Year 3			
BUSS311	Advanced Database Management Systems	Autumn	6

BUSS312	Distributed Information Systems	Autumn	6
BUSS316	Information Systems Prototyping	Spring	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
Plus either:			
BUSS317	Business Programming IV	Spring	6
or			
BUSS308	Computer Systems Management	Spring	6
Plus 200/300-level subjects chosen from the Additional Subject List, or second major subjects			12

Year 4(Non-Honours)

IACT451	IT Project	N/A in 2004	12
Plus additional subjects chosen from the IACT400 Level Subjects List			30
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6

Year 4 (Honours)

IACT441	IT Research Methodology	Autumn	6
IACT450	Research Report	Spring	18
Plus additional subjects chosen from the IACT400 Level Subjects List			18
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6

Double Major

A major in Business Information Systems can be combined with Software Engineering, Network and Systems Management, eBusiness Management, eBusiness Technologies, Marketing, Data Analysis, Modelling or Electronic Commerce. Second major requirements are listed below.

eBusiness Management (code ITI)

Conducting business online is an increasingly essential feature of an organisation's operation, and the challenges faced are an integrated mix of adaptive business strategies that exploit rapidly evolving technologies. This new major emphasises the business strategy perspective, while providing an understanding of the relevance of both business strategy and IT.

Major Study

To satisfy the requirements for a major study in eBusiness Management, a student shall satisfactorily complete the following program:

Subjects		Session	Credit Points
Year 1			
MGMT102	Business Communications	Spring	6
CSCI102	Systems	Spring	6
ECTE182	Internet Technology 1	Spring	6
Plus either:			
BUSS111	Business Programming I	Spring/ Summer	6
or			
CSCI114	Procedural Programming	Autumn/ Spring	6
Plus 100-level subjects chosen from the Additional Subject List, or second major subjects			12
Plus 100-level subjects chosen from the General Schedule			12

Note: Students are advised that when choosing subjects at 100-level they should plan ahead and carefully consider the impact on their 200-level choices. Some subjects at 200-level have specific pre-requisites.

Year 2			
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
ITCS201	Markup Languages	Autumn	6
Plus at least one of the following subjects:			
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
CSCI205	Development Methods & Tools	Spring	6
Plus at least one of the following subjects:			
BUSS212	Database Management Systems	Spring	6
CSCI235	Databases	Spring	6
Plus at least one of the following subjects:			
MGMT200	Management & Electronic Business	Spring	6
MGMT201	Organisational Behaviour	Autumn	6
MGMT220	Organisational Studies	Autumn	6
Plus 200-level subjects chosen from the Additional Subject List, or second major subjects			12
Year 3			
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	eBusiness Fundamentals	Autumn	6

Plus at least one of the following subjects:			
MGMT300	Innovation & Electronic Commerce	Spring	6
MGMT309	Supply Chain Management	Spring	6
MGMT311	Management of Change	Spring	6
Plus 300-level subjects chosen from the Additional Subject List, or second major subjects			24

Year 4(Non-Honours)

ITCS450	Patterns for eBusiness	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT451	IT Project	N/A in 2004	12
Plus additional subjects chosen from the IACT400 Level Subjects List			18
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6

Year 4 (Honours)

ITCS450	Patterns for eBusiness	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT441	IT Research Methodology	Autumn	6
IACT450	Research Report	Spring	18
Plus one subject chosen from the IACT400 Level Subjects List			6
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6

Double Major

A major in eBusiness Management can be combined with Business Information Systems or eBusiness Technologies. Second major requirements are listed above and below.

eBusiness Technologies (code ITJ)

Conducting business online is an increasingly essential feature of an organisation's operation, and the challenges faced are an integrated mix of adaptive business strategies that exploit rapidly evolving technologies. This new major emphasises a hands-on system development perspective, while providing an understanding of the relevance of both business strategy and IT.

Major Study

To satisfy the requirements for a major study in eBusiness Technologies, a student shall satisfactorily complete the following program:

Subjects		Session	Credit Points
Year 1			
MGMT102	Business Communications	Spring	6
CSCI102	Systems	Spring	6
ECTE182	Internet Technology 1	Spring	6
Plus either:			
BUSS111	Business Programming I	Spring	6
or			
CSCI114	Procedural Programming	Autumn/Spring	6
Plus 100-level subjects chosen from the Additional Subject List, or second major subjects			12
Plus 100-level subjects chosen from the General Schedule			12

Note: Students are advised that when choosing subjects at 100-level they should plan ahead and carefully consider the impact on their 200-level choices. Some subjects at 200-level have specific pre-requisites.

Year 2			
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
ITCS201	Markup Languages	Autumn	6
Plus at least one of the following subjects:			
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
CSCI205	Development Methods & Tools	Spring	6
Plus at least one of the following subjects:			
BUSS212	Database Management Systems	Spring	6
CSCI235	Databases	Spring	6
Plus either:			
BUSS214	Business Programming II	Autumn	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus 200-level subjects chosen from the Additional Subject List, or second major subjects			12

Year 3			
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
ITCS301	Exploiting Collaborative Technologies	Spring	6
Plus 300-level subjects chosen from the Additional Subject List, or second major subjects			24

Year 4(Non-Honours)

ITCS450	Patterns for eBusiness	Autumn	6
IACT451	IT Project	N/A in 2004	12
Plus one subject chosen from the following:			
ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
Plus additional subjects chosen from the IACT400 Level Subjects List			18
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6

Year 4 (Honours)

ITCS450	Patterns for eBusiness	Autumn	6
IACT441	IT Research Methodology	Autumn	6
IACT450	Research Report	Spring	18
Plus one subjects chosen from the following:			
ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
Plus one subject chosen from the IACT400 Level Subjects List			6
Plus one subject chosen from the IACT400 Level Subjects List or the Additional Subjects List			6

Double Major

A major in eBusiness Technologies can be combined with Business Information Systems or eBusiness Management. Second major requirements are listed above.

Marketing Combined Major Study (Code ITEE, ITBE or ITDE)

This double major requires satisfactory completion of a major study in Business Information Systems, Network and Systems Management or Software Engineering and satisfactory completion of a major study in Marketing, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Marketing major. All students must satisfy subject prerequisites except where waivers have been granted.

Data Analysis Combined Major study (Code ITEF, ITBF or ITDF)

This double major requires satisfactory completion of a major study in Business Information Systems, Network and Systems Management or Software Engineering and satisfactory completion of the following approved 54 credit point major in Data Analysis:

Subjects		Session	Credit Points
Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
Year 2			
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
MATH203	Linear Algebra	Autumn	6
Year 3			
STAT332	Multiple Regression and Time Series	Spring	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT304	Operations Research and Applied Probability	Spring	6

Modelling Combined Major study (Code ITEG, ITBG or ITDG)

This double major requires satisfactory completion of a major study in Business Information Systems, Network and Systems Management or Software Engineering and satisfactory completion of the following approved 54 credit point major in Modelling:

Subjects		Session	Credit Points
Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6

Year 3

MATH302	Differential Equations 3	Spring	6
MATH312	Applied Mathematical Modelling 3	Autumn	6
MATH313	Industrial Mathematical Modelling	Spring	6

Electronic Commerce Combined Major study (code ITEH, ITBH or ITDH)

This double major requires satisfactory completion of a major study in Business Information Systems, Network and Systems Management or Software Engineering and satisfactory completion of the following approved 48 credit point major in Electronic Commerce:

Subjects		Session	Credit Points
200-Level			
200-level Electronic Commerce subjects			18
300-Level			
IACT303	World Wide Networking	Spring	6
Plus			
300-level Electronic Commerce subjects			18
400-Level			
400-level Electronic Commerce subject			6
Electronic Commerce Subjects			
ACCY231	Information Systems in Accounting	Spring	6
ACCY332	Advanced Information Systems in Accounting	Autumn	6
ACCY335	Systems Analysis and Design in Accounting and Finance	Spring	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed Information Systems	Autumn	6
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
CSCI214	Distributed Systems	Spring	6
CSCI236	3D Modelling and Animation	N/A in 2004	6
CSCI311	Software Process Management	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI399	Server Technology	Autumn	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
ECON312	Industrial Economics	Autumn	6
ECON319	Electronic Commerce and the Economics of Information	Spring	6
FIN353	Global Electronic Finance	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT304	eBusiness Fundamentals	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
IACT417	Information Management	Autumn	6
IACT419	Online Information Services	Spring	6
ITCS436	Detailed Design of Integrated Solutions for eBusiness	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
LAW210	Contract Law	Spring	6
LAW317	E-Commerce Law	N/A in 2004	6
LAW331	Intellectual Property Law	N/A in 2004	6
MARK301	Marketing on the Internet	Spring	6
MGMT200	Management and Electronic Business	Spring	6
MGMT300	Innovation and Electronic Commerce	Spring	6

Professional Recognition

The major studies in Business Information Systems, Network and Systems Management and Software Engineering have recently been revised, therefore re-accreditation by the Australian Computer Society as meeting requirements for membership at a 'Professional' level is currently being sought.

Accreditation for the new major studies in eBusiness Management and eBusiness Technologies is also being sought.

Bachelor of Information Technology

Testamur Title of Degree:	Bachelor of Information Technology
Abbreviation:	BIT
Home Faculty:	Informatics
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Year 1 – Off-shore; Years 2 and 3 Wollongong or off-shore depending on the overseas institution.
UOW Course Code:	868, SN868
UAC Code:	N/A
CRICOS Code:	031440G

Overview

This three-year full-time degree is designed for offshore delivery. Entry into Year 2 or 3 (on-shore Wollongong Campus) is possible for students who have completed a recognised offshore program, or who have at least 48 credit points of appropriate advanced standing, including specified credit for all Year 1 core subjects, from another recognised institution.

The degree has two major studies: Information Systems and Computing.

Entry Requirements / Assumed Knowledge

Entry into Years 2 or 3 (Wollongong Campus), is conditional on successful completion of a recognised overseas program or other approved advanced standing.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

To qualify for the award of the degree of Bachelor of Information Technology, candidates must satisfactorily complete at least 144 credit points as set out in one of the course structures below. Note that no more than 24 credit points (i.e. 1/6) of subjects can be at PC grade.

Computing Major

Subjects		Session	Credit Points
Year 1 -(not available onshore)			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn/ Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
CSCI124	Object Programming	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
Plus 100-level subjects chosen from the BIT Electives Schedule or General Schedule			12
Year 2			
CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
CSCI222	Systems Development	N/A in 2004	6
CSCI235	Databases	Spring	6
IACT201	Information Technology and Citizens Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6

Year 3

CSCI321	Project	Annual	12
CSCI311	Software Process Management	Autumn	6
IACT302	Corporate Network Planning	Spring	6
CSCI315	Database Design and Implementation	Spring	6
IACT301	Information and Communication Security Issues	Autumn	6
Plus 200/300-level subjects chosen from the BIT Electives Schedule.			12

Information Systems Major

Subjects		Session	Credit Points
Year 1			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn/ Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
CSCI124	Object Programming	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
Plus 100-level subjects chosen from the BIT Electives Schedule or General Schedule			12
Year2			
BUSS201	User-Centred Business Programming	Autumn	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS214	Business Programming II	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS213	Multimedia in Organisations	Spring	6
BUSS215	Business Programming III	Spring	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
Year 3			
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed Information Systems	Autumn	6
BUSS315	Knowledge-Based Information Systems	Autumn	6
IACT302	Corporate Network Planning	Autumn	6
BUSS316	Information Systems Prototyping	Spring	6
BUSS317	Business Programming IV	Spring	6
BUSS318	Information Systems Project	Spring	6
IACT301	Information and Communication Security Issues	Spring	6

BIT Electives Schedule

Subjects		Session	Credit Points
BUSS201	User-Centred Business Programming	Autumn	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS213	Multimedia in Organisations	Spring	6
BUSS214	Business Programming II	Autumn	6
BUSS215	Business Programming III	Spring	6
BUSS218	Systems Design and Architecture	Spring	6
BUSS308	Computer Systems Management	Spring	6
BUSS311	Advanced Database Management Systems	Autumn	6
BUSS312	Distributed Information Systems	Autumn	6
BUSS315	Knowledge-Based Information Systems	Autumn	6
BUSS316	Information Systems Prototyping	Spring	6
BUSS317	Business Programming IV	Spring	6
BUSS318	Information Systems Project	Spring	6
CSCI112	Fundamentals of Computer Science	Spring	6
CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
CSCI214	Distributed Systems	Spring	6
CSCI222	Systems Development	N/A in 2004	6
CSCI235	Databases	Spring	6
CSCI236	3D Modelling and Animation	N/A in 2004	6
CSCI262	Systems Security	Spring	6
CSCI311	Software Process Management	Autumn	6

CSCI315	Database Design and Implementation	Autumn	6
CSCI317	Database Performance Tuning	Spring	6
CSCI322	Systems Administration	Spring	6
CSCI324	Human Computer Interface	Spring	6
CSCI325	Software Engineering Formal Methods	Autumn	6
CSCI334	Interface Real Time Programming	Spring	6
CSCI336	Computer Graphics	Autumn	6
CSCI361	Computer Security	Autumn	6
CSCI368	Network Security	Spring	6
CSCI399	Server Technology	Autumn	6
IACT201	Information Technology and Citizens Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT303	World Wide Networking	Spring	6
ITCS201	Markup Languages	Autumn	6
ITCS301	Exploiting Collaborative Technologies	N/A in 2004	6

Professional Recognition

The Bachelor of Information Technology has recently been revised, therefore re-accreditation by the Australian Computer Society as meeting requirements for membership at a 'professional level' is currently being sought.

Bachelor of Internet Science and Technology

Testamur Title of Degree:	Bachelor of Internet Science and Technology
Abbreviation:	BIST
Home Faculty:	Informatics
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to -face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong; Batemans Bay, Bega, Shoalhaven, Moss Vale;* Dubai; Harbridge, Singapore.
UOW Course Code:	785, BB785, BE785, SH785, MV785, DB785, SN785.
UAC Code:	754114, 754116, 754117, 754118, 754119.
CRICOS Code:	032444G

* The full three years of the Internet Commerce major will be available at Batemans Bay, Bega, Shoalhaven and Moss Vale. Only the first year of the Internet Technology and Internet Applications majors will be offered at these sites.

Overview

The Internet and World Wide Web have revolutionised the way business is conducted and the way information, education and entertainment services are delivered.

In addition, the internet is being upgraded and increasingly being incorporated into public telecommunications systems. With more people using the internet, there is a greater demand for services and information. The next generation of Internet technologies is expected to become a major motivator for on-going business reform over the next five to ten years. The Federal Government has targeted the Internet and the on-line economy as a priority.

This degree provides students with the technical background required to lead the next generation of Internet developments. The degree uses a mix of problem-based learning and more traditional methods used in science and engineering programs. Through collaborative, multidisciplinary project-based learning, students will develop competency in Internet science and technology skills, teamwork and management, giving them a competitive advantage in industry.

This degree has four majors to choose from:

- Internet Technology
- Internet Applications
- Internet Commerce
- Internet Science

All majors include a substantial amount of programming. Common subjects across the majors ensure that students have an understanding of the basics of hardware and some of the legal and social aspects of the Internet.

Entry Requirements / Assumed Knowledge

Approximate UAI: 75

Assumed Knowledge: Any two units of English plus Mathematics

Recommended Studies: HSC Mathematics Extension 1

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

To be eligible for the award of the degree of Bachelor of Internet Science and Technology, candidates must:

a) satisfactorily complete at least 144 credit points of subjects prescribed in one of the majors listed below
b) undertake no more than 60 credit points at 100-level
c) undertake at least 36 credit points at 300-level

Note: The programs listed below are guidelines as to how best to proceed through the course. Subjects can be undertaken in a different order, however all subjects must be successfully completed to be awarded the degree.

Honours

Candidates who achieve a credit average or better in the Bachelor of Internet Science and Technology are eligible to enrol in an additional year's study towards a Bachelor of Internet Science and Technology (Honours) (BIST (Hons)).

To qualify for the award of Bachelor of Internet Science and Technology (Honours), candidates must complete BIST400. The level of honours awarded at the completion of the course is determined in accordance with the University Course Rule 8.4(2).

The program of study for BIST(Hons), (i.e., BIST400 Internet Science & Technology IV Honours) is 48 credit points and will normally include:

1. an 18 credit point project; and
2. 30 credit points of coursework. This coursework component will consist of individual subjects, including:
   (a) a research methodology subject, as determined by the Course Coordinator and
   (b) other subjects, of which 18 credit points must be at 400 level, as approved by the Course Coordinator.

Note: Individual results for the coursework subjects attempted and the project will not be released. Instead, the final result for BIST400 will be calculated by weighting the coursework and project components according to their credit point value.

Major Study Areas

Internet Technology (code IS01)

Major Study

To satisfy the requirements for a major study in Internet Technology, a student shall satisfactorily complete the following approved program:

Subjects		Session	Credit Points
Year 1			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Autumn	6
CSCI124	Object Programming	Spring	6
ECTE195	Design and Management	Autumn	6
ECTE182	Internet Technology 1	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
One of the following subjects is recommended, but may be replaced by an approved BIST Year 1 Elective subject:			
MATH141	Mathematics 1C Part 1	Autumn	6
MATH161	Mathematics 1E Part 1	Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6

Year 1 Electives

ACCY100	Accounting 1A	Autumn	6
ACCY102	Accounting 1B	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/ Spring	6
ECON111	Introductory Micro Economics	Autumn/ Spring	6
ECTE181	WWW Engineering	Autumn	6
LAW100	Law in Society	Autumn	6
MARK101	Marketing Principles	Autumn/ Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH151	General Mathematics 1A	Autumn/ Summer	6
MGMT110	Introduction to Management and Employment Relations	Autumn/ Spring	6

Year 2

CSCI213	Java Programming and the Internet	Autumn/ Spring	6
ECTE233	Digital Hardware I	Autumn	6
ECTE282	Internet Systems	Autumn	6
ECTE283	Internet Technology 2	Spring	6
INFO202	Project	Annual	6
Plus three Year 2 Electives			18

Year 2 Electives

CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI214	Distributed Systems	Spring	6
CSCI235	Databases	Spring	6
DESN211	Introduction to Web Design	Autumn	6
DESN212	Advanced Web Design	Spring	6
DESN290	Introduction to Graphic Design	Spring	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
MATH141	Mathematics 1C Part 1	Autumn	6
MATH161	Mathematics 1E Part 1	Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6

Year 3

ECTE333	Digital Hardware 2	Spring	6
ECTE364	Telecommunication Networks 1	Autumn	6
ECTE392	Wireless Internet	Autumn	6
IACT303	World Wide Networking	Spring	6
Students must choose one of the following subjects:			
CSCI399	Server Technology	Autumn	6
ECTE281	Embedded Internet Systems	Spring	6

Plus three Year 3 Elective subjects, or a combination of INFO303, ECTE391 and/or Year 3 elective subjects to equal 18 credit points.

Students with a WAM of 70 + at 200 level are strongly recommended to take:

INFO303	Advanced Project	Annual	12

Students with a WAM of 70 + at 200 level may choose to take:

ECTE391	Internet Technology Project	N/A in 2004	6

Year 3 Electives

CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI324	Human Computer Interface	Spring	6
CSCI361	Computer Security	Autumn	6
CSCI446	Multimedia Studies	Autumn	6
DESN311	Interactive Multimedia Design	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
ECTE363	Communication Theory	Autumn	6
IACT302	Corporate Network Planning	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
ITCS432	Web Design	Spring	6

Note that because of pre-requisites, some third year electives are dependent on the choice of electives at second year.

Internet Applications (code IS02)

Major Study

To satisfy the requirements for a major study in Internet Applications, a student shall satisfactorily complete the following approved program:

Subjects		Session	Credit Points
Year 1			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn	6

CSCI114	Procedural Programming	Autumn	6
CSCI124	Object Programming	Spring	6
ECTE195	Design and Management	Autumn	6
ECTE182	Internet Technology 1	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
Plus one Year 1 Elective subject			6

Year 1 Electives

ACCY100	Accounting 1A	Autumn	6
ACCY102	Accounting 1B	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/ Spring	6
ECON111	Introductory Micro-Economics	Autumn/ Spring	6
ECTE181	WWW Engineering	Autumn	6
LAW100	Law in Society	Autumn	6
MARK101	Marketing Principles	Autumn/ Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH151	General Mathematics 1A	Autumn/ Summer	6
MGMT110	Introduction to Management and Employment Relations	Autumn/ Spring	6

Year 2

CSCI213	Java Programming and the Internet	Autumn/ Spring	6
ECTE282	Internet Systems	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
INFO202	Project	Annual	6
Plus four Year 2 Elective subjects			24

Year 2 Electives

CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI214	Distributed Systems	Spring	6
CSCI235	Databases	Spring	6
DESN211	Introduction to Web Design	Autumn	6
DESN212	Advanced Web Design	Spring	6
DESN290	Introduction to Graphic Design	Spring	6
ECTE202	Circuits and Systems	Annual	6
ECTE212	Electronics and Communications	Spring	6
ECTE233	Digital Hardware 1	Autumn	6
ECTE281	Embedded Internet Systems	Spring	6
ECTE283	Internet Technology 2	Spring	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6

Note that the availability of electives in Year 3 depends on the choices made in Year 2. To have maximum flexibility it is recommended that students choose CSCI204.

Year 3

IACT303	World Wide Networking	Spring	6

Plus seven Year 3 Elective subjects, or five Year 3 Elective subjects if students complete INFO303.
Students with a WAM of 70+ at 200 level are strongly recommended to take:

INFO303	Advanced Project	Annual	12

Year 3 Electives

CSCI212	Interacting Systems	Autumn	6
CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI322	Systems Administration	Spring	6
CSCI324	Human Computer Interface	Spring	6
CSCI336	Computer Graphics	Autumn	6
CSCI399	Server Technology	Autumn	6
CSCI407	Corba & Enterprise Java	Spring	6
CSCI408	Distributed Java	N/A in 2004	6
CSCI446	Multimedia Studies	Autumn	6
DESN311	Interactive Multimedia Design	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ECTE364	Telecommunications Networks 1	Autumn	6
ECTE392	Wireless Internet	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	eBusiness Fundamentals	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
ITCS432	Web Design	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6

Internet Commerce (code IS03)

Students enrolling in this major may need to make a choice about 3rd year electives during the first year. If they wish to study 300 level Accounting or Finance subjects, then they must study both ACCY100 and ACCY102 in the first year and FIN221 and/or ACCY231 in the second year.

In the standard program (see below) this would be possible only for students who might be willing to study in summer session or undertake more than 4 subjects per session. Accordingly a modified program is also presented. This has the disadvantage of restricting some of the choices of CSCI subjects at 300 level.

A recommended program of study for students studying at Batemans Bay, Bega, Shoalhaven and Moss Vale is also provided.

Major Study

To satisfy the requirements for a major study in Internet Commerce, a student shall satisfactorily complete one of the following recommended programs:

Standard Program

Subjects		Session	Credit Points
Year 1			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Autumn	6
CSCI124	Object Programming	Spring	6
ECTE195	Design and Management	Autumn	6
ECTE182	Internet Technology 1	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
Plus one Year 1 Elective subject			6
Year 1 Electives			
ACCY100	Accounting 1A	Autumn	6
ACCY102	Accounting 1B	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn/ Spring	6
ECON111	Introductory Micro-Economics	Autumn/ Spring	6
ECTE181	WWW Engineering	Autumn	6
LAW100	Law in Society	Autumn	6
MARK101	Marketing Principles	Autumn/ Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH151	General Mathematics 1A	Autumn/ Summer	6
MGMT110	Introduction to Management and Employment Relations	Autumn/ Spring	6
Year 2			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
ECTE282	Internet Systems	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
INFO202	Project	Annual	6
Plus four Year 2 Elective subjects			24
Year 2 Electives			
ACCY231	Information Systems in Accounting	Spring	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS213	Multimedia in Organisations	Spring	6
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI214	Distributed Systems	Spring	6
CSCI235	Databases	Spring	6
DESN211	Introduction to Web Design	Autumn	6
DESN212	Advanced Web Design	Spring	6
DESN290	Introduction to Graphic Design	Spring	6
ECTE281	Embedded Internet Systems	Spring	6
FIN221	Business Finance 1	Autumn/ Summer	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
LAW210	Contract Law	Spring	6
MGMT200	Management and Electronic Business	Spring	6
Year 3			
IACT303	World Wide Networking	Spring	6
Plus at least one of:			
CSCI446	Multimedia Studies	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Spring	6
IACT406	Strategic eBusiness Solutions	Spring	6
Plus six Year 3 Elective subjects, or five Year 3 Elective subjects if students complete INFO303.			
Students with a WAM of 70+ at 200 level are strongly recommended to take:			
INFO303	Advanced Project	Annual	12

Year 3 Electives

ACCY332	Advanced Information Systems in Accounting	Autumn	6
ACCY335	System Analysis and Design in Accounting and Finance	Spring	6
FIN353	Global Electronic Finance	Autumn	6
BUSS308	Computer Systems Management	Spring	6
BUSS312	Distributed Information Systems	Autumn	6
CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI324	Human Computer Interface	Spring	6
CSCI336	Computer Graphics	Autumn	6
CSCI399	Server Technology	Autumn	6
CSCI407	Corba & Enterprise Java	Spring	6
CSCI408	Distributed Java	N/A in 2004	6
CSCI446	Multimedia Studies	Autumn	6
DESN311	Interactive Multimedia Design	Autumn	6
ECON319	Electronic Commerce and the Economics of Information	Spring	6
ECTE392	Wireless Internet	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	eBusiness Fundamentals	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
ITCS432	Web Design	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
LAW331	Intellectual Property Law	N/A in 2004	6
MARK301	Marketing on the Internet	Spring	6
MGMT300	Innovation and Electronic Commerce	Spring	6

Modified Program

The following modified program is designed to allow easy access to 300 level Accounting or Finance subjects.

Subjects		**Session**	**Credit Points**
Year 1			
ACCY100	Accounting 1A	Autumn	6
ACCY102	Accounting 1B	Spring	6
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn/ Spring	6
ECTE195	Design and Management	Autumn	6
ECTE182	Internet Technology 1	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
Plus one Year 1 Elective subject			6
Year 1 Electives			
ECON101	Macroeconomic Essentials for Business	Autumn/ Spring	6
ECON111	Introductory Micro-Economics	Autumn/ Spring	6
ECTE181	WWW Engineering	Autumn	6
LAW100	Law in Society	Autumn	6
MARK101	Marketing Principles	Autumn/ Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH151	General Mathematics 1A	Autumn/ Summer	6
MGMT110	Introduction to Management and Employment Relations	Autumn/ Spring	6
Year 2			
CSCI114	Procedural Programming	Autumn	6
CSCI124	Object Programming	Spring	6
ECTE282	Internet Systems	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
IACt303	World Wide Networking	Spring	6
Plus three Year 2 Elective subjects			18
Year 2 Electives			
FIN221	Business Finance 1	Autumn/ Summer	6
ACCY231	Information Systems in Accounting	Spring	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
BUSS213	Multimedia in Organisations	Spring	6
DESN211	Introduction to Web Design	Autumn	6
DESN212	Advanced Web Design	Spring	6

DESN290	Introduction to Graphic Design	Spring	6
ECTE281	Embedded Internet Systems	Spring	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
LAW210	Contract Law	Spring	6
MGMT200	Management and Electronic Business	Spring	6

Note that students must choose one or both FIN221 and ACCY231 in order to study ACCY or FIN subjects at 300 level.

Year 3

CSCI213	Java Programming and the Internet	Autumn/ Spring	6
INFO202	Project	Annual	6

Plus at least one of:

CSCI446	Multimedia Studies	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6

Plus five Year 3 Elective subjects, or three Year 3 Elective subjects if students complete INFO303.
Students with a WAM of 70+ at 200 level are strongly recommended to take:

INFO303	Advanced Project	Annual	12

Year 3 Electives

ACCY332	Advanced Information Systems in Accounting	Autumn	6
ACCY335	System Analysis and Design in Accounting and Finance	Spring	6
FIN353	Global Electronic Finance	Autumn	6
BUSS308	Computer Systems Management	Spring	6
BUSS312	Distributed information Systems	Autumn	6
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI214	Distributed Systems	Spring	6
CSCI235	Databases	Spring	6
CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI324	Human Computer Interface	Spring	6
CSCI336	Computer Graphics	Autumn	6
CSCI399	Server Technology	Autumn	6
CSCI407	Corba & Enterprise Java	Spring	6
CSCI408	Distributed Java	N/A in 2004	6
CSCI446	Multimedia Studies	Autumn	6
DESN311	Interactive Multimedia Design	Autumn	6
ECON319	Electronic Commerce and the Economics of Information	Spring	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	eBusiness Fundamentals	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
ITCS432	Web Design	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
LAW331	Intellectual Property Law	N/A in 2004	6
MARK301	Marketing on the Internet	Spring	6
MGMT300	Innovation and Electronic Commerce	Spring	6

*Program for students studying at Batemans Bay, Bega, Shoalhaven or Moss Vale***

Subjects		**Session**	**Credit Points**
Year 1			
MGMT110	Introduction to Management and Employment Relations	Autumn	6
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Autumn	6
CSCI102	Systems	Spring	6
CSCI121	Computer Science 1B	Spring	6
ECTE182	Internet Technology 1	Spring	6
Plus one or two Elective subjects at 100-level, depending upon sequence of electives chosen.			6 or 12
Year 2			
CSCI213	Java Programming and the Internet	Autumn	6
ECTE282	Internet Systems	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
INFO202	Project	Annual	6
ECON121	Quantitative Methods	Spring	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
ECTE281	Embedded Internet Systems	Spring	6
Plus one or two Elective subject at 200-level, depending upon sequence of electives chosen			6 or 12

Year 3*

IACT302	Corporate Network Planning	Autumn	6
BUSS211	Requirements Determinants and Systems Analysis	Autumn	6
BUSS308	Computer Systems Management	Spring	6
IACT301	Information and Communication Security Issues	Spring	6
IACT303	World Wide Networking	Spring	6
Plus one Elective subject at 200/300-level			6
Plus two Elective subjects at 300-level			12

* subject to approval. Further information available during 2004.

Electives
Students should consult staff at the relevant Campus/Centre regarding which elective subjects are available.

** Students must seek academic advice regarding an appropriate sequence of elective subjects and have a program of study approved.

Internet Science (code IS04)

Major Study

To satisfy the requirements for a major study in Internet Science, a student shall satisfactorily complete the following recommended program:

Subjects		Session	Credit Points
Year 1			
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Autumn	6
CSCI124	Object Programming	Spring	6
ECTE195	Design and Management	Autumn	6
ECTE182	Internet Technology 1	Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
Year 2			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
ECTE282	Internet Systems	Autumn	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
INFO202	Project	Annual	6
STAT231	Probability and Random Variables	Autumn	6
Plus three Year 2 Elective subjects			18
Year 2 Electives			
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI205	Development Methods and Tools	Spring	6
CSCI214	Distributed Systems	Spring	6
CSCI235	Databases	Spring	6
DESN211	Introduction to Web Design	Autumn	6
DESN212	Advanced Web Design	Spring	6
DESN290	Introduction to Graphic Design	Spring	6
ECTE281	Embedded Internet Systems	Spring	6
IACT202	The Structure and Organisation of Telecommunications	Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
STAT232	Estimation and Hypothesis Testing	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
Note: STAT131 is not to count with STAT252			
Year 3			
IACT303	World Wide Networking	Spring	6
INFO413	Information Theory	Spring	6
Plus six Year 3 Elective subjects, or four Year 3 Elective subjects if students complete INFO303.			
Students with a WAM of 70+ at 200 level are strongly recommended to take:			
INFO303	Advanced Project	Annual	12

Year 3 Electives

CSCI311	Software Process Management	Autumn	6
CSCI315	Database Design and Implementation	Autumn	6
CSCI324	Human Computer Interface	Spring	6
CSCI336	Computer Graphics	Autumn	6
CSCI399	Server Technology	Autumn	6
CSCI407	Corba & Enterprise Java	Spring	6
CSCI408	Distributed Java	N/A in 2004	6
CSCI446	Multimedia Studies	Autumn	6
DESN311	Interactive Multimedia Design	Autumn	6
ECTE363	Communication Theory	Autumn	6
IACT301	Information and Communication Security Issues	Spring	6
IACT302	Corporate Network Planning	Autumn	6
IACT304	eBusiness Fundamentals	Autumn	6
IACT305	eBusiness Technologies	Autumn	6
IACT406	Strategic eBusiness Solutions	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
ITCS432	Web Design	Spring	6
ITCS450	Patterns for eBusiness	Autumn	6
ITCS451	Web Services for Dynamic eBusiness	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH372	Special Topics in Mathematical Analysis 3	Autumn	6

Professional Recognition

The Bachelor of Internet Science and Technology has recently been revised, therefore re-accreditation by the Australian Computer Society as meeting requirements for membership at a "Professional level" is currently being sought.

Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Mathematics
Abbreviation:	BMath
Home Faculty:	Informatics
Duration:	3 years or part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $7,700 per session
Location:	Wollongong
UOW Course Code:	762
UAC Code:	756511
CRICOS Code:	002936B

Overview

This degree is designed to give the graduate a solid foundation in all the skills needed to work as a professional mathematician or statistician. It is flexible enough to allow students to specialise in an area that is of particular interest, or to gain an introduction to a wide variety of topics. One third of the subjects taken may be from other disciplines, such as computer science, management, finance or science.

Entry Requirements / Assumed Knowledge

Approximate UAI: 75

Assumed knowledge: Any two units of English plus HSC Mathematics.

Recommended studies: HSC Mathematics Extension 1.

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Course Requirements

The following requirements for the Bachelor of Mathematics degree are to be read in conjunction with University Course Rule 108.

To qualify for the award of the degree of Bachelor of Mathematics, candidates must satisfactorily complete at least 144 credit points from either or both the subjects prescribed for the Bachelor or Mathematics and the General Schedule, including:

1) MATH187 Mathematics 1A Part 1 and MATH188 Mathematics 1A Part 2

2) MATH111 Applied Mathematical Modelling 1 or MATH212 Applied Mathematical Modelling 2

3) MATH121 Discrete Mathematics or MATH222 Continuous and Finite Mathematics

4) STAT131 Understanding Variation and Uncertainty or STAT231 Probability and Random Variables

5) CSCI114 Procedural Programming

6) each of the subjects:

   MATH201 Multivariate and Vector Calculus

   MATH202 Differential Equations 2

   MATH203 Linear Algebra

   MATH204 Complex Variables and Group Theory

7) at least one of the subjects:

   MATH212 Applied Mathematical Modelling 2

   MATH222 Continuous and Finite Mathematics

   STAT231 Probability and Random Variables (not additional to 2 or 3 or 4)

8) 300-level subjects from the Mathematics Schedule of subjects with a value of at least:

   a) 36 credit points, or

   b) 24 credit points, should a major study in Computer Science also be satisfactorily completed, or

   c) 30 credit points, should any other major study also be satisfactorily completed

9) within requirements 1. to 8., a major study in either Mathematics or Applied Statistics, and

10) no more than 60 credit points at the 100-level.

Areas of Major Study

Within the Bachelor of Mathematics, a major study in either Mathematics or Applied Statistics can be combined with a major study in the following disciplines:

Computer Science
Economics
Econometrics
Accountancy
Business Information Systems
Management
Marketing
Finance
Biomedical Sciences

Candidates wishing to major in Mathematics and/or Applied Statistics and a discipline not listed above are advised to first consult with the Sub-Dean of the Faculty of Informatics for verification of their intended program.

Candidates may also study a major in the following areas of science, but this will necessitate completing more than the standard 144 credit points in the degree:

Biological Sciences
Chemistry
Geology
Human Geography
Physical Geography
Geoscience
Physics

Mathematics Schedule of Subjects

The following subjects are approved for inclusion in the Bachelor of Mathematics degree.

Subjects		Session	Credit Points
100-Level			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6

MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
CSCI114	Procedural Programming	Autumn/ Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
200-Level			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
300-Level			
MATH302	Differential Equations 3	Spring	6
MATH305	Partial Differential Equations	Autumn	6
MATH312	Applied Mathematical Modelling 3	Autumn	6
MATH313	Industrial Mathematical Modelling	Spring	6
MATH316	Applied Dynamics	N/A in 2004	6
MATH317	Financial Calculus and Logistics	Autumn	6
MATH321	Numerical Analysis	Spring	6
MATH322	Algebra	Autumn	6
MATH323	Topology and Chaos	Spring	6
MATH325	Wavelets	N/A in 2004	6
MATH371	Special Topics in Industrial and Applied Mathematics 3	Autumn/ Spring	6
MATH372	Special Topics in Mathematical Analysis 3	Autumn	6
STAT304	Operations Research and Applied Probability	Spring	6
STAT332	Multiple Regression and Time Series	Spring	6
STAT333	Statistical Inference and Multivariate Analysis	Autumn	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT373	Special Topics in Probability and Statistics 3	Autumn/ Spring	6
400-Level			
INFO411	Data Mining and Knowledge Discovery	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
INFO413	Information Theory	Spring	6

Honours

A fourth year of study, Honours, is available to students who have achieved a Credit average or better in the BMath. It is a more challenging program that includes a research project. Students who wish to enter the Honours program should obtain the approval of the Honours Coordinator at the end of their third year.

Major Study Areas

Mathematics (code MATH)

Major Study

To satisfy the requirements for a major study in Mathematics, a student shall satisfactorily complete (at a grade of Pass or better) any MATH or STAT subjects listed in the Mathematics Schedule, to a total of at least 48 credit points; of which at least 18 credit points must be at 200 level and at least 24 credit points must be at 300 level.

The following suggested programs are intended as a guideline only in selecting suitable supplementary subjects to make a reasonable pattern for Mathematics degrees in the various fields of Mathematics.

All candidates are expected to consult with the School and Faculty advisers before committing themselves completely to any particular pattern, whether outlined below or not.

Double Major

A major in Mathematics can be combined with Applied Statistics, Computer Science, Economics, Econometrics, Accountancy, Business Information Systems, Management, Marketing, Finance or Biomedical Sciences. Second major requirements are listed below.

Suggested Program in Industrial and Applied Mathematics (including Numerical Analysis)

Subjects		Session	Credit Points
Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6

MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
Plus			
PHYS141	Fundamentals of Physics A	Autumn	6
and			
PHYS142	Fundamentals of Physics B	Spring	6
or			
Subjects chosen from the Mathematics or General Schedules			12

Year 2

MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			18

Year 3

MATH302	Differential Equations 3	Spring	6
MATH305	Partial Differential Equations	Autumn	6
Plus at least two of the following subjects:			
MATH312	Applied Mathematical Modelling 3	Autumn	6
MATH313	Industrial Mathematical Modelling	Spring	6
MATH316	Applied Dynamics	N/A in 2004	6
MATH317	Financial Calculus and Logistics	Autumn	6
MATH321	Numerical Analysis	Spring	6
Plus			
Subjects chosen from the Mathematics Schedule			12
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Suggested Program in Mathematical Analysis

Subjects		Session	Credit Points

Year 1

MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Year 2

MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
Plus			
Subjects chosen from the Mathematics or General Schedules			18

Year 3

MATH302	Differential Equations 3	Spring	6
Plus at least three of the following subjects:			
MATH321	Numerical Analysis	Spring	6
MATH322	Algebra	Autumn	6
MATH323	Topology and Chaos	Spring	6
Plus			
Subjects chosen from the Mathematics Schedule			12
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Suggested Program for Mathematics Teaching

The minimum requirement for employment as a Mathematics teacher is 60 credit points of Mathematics, including a major study at 300-level, however candidates are encouraged to complete a full Mathematics degree.

Subjects		Session	Credit Points
Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
Plus			
200-level Mathematics subjects chosen from the Mathematics Schedule			12
Plus			
Subjects chosen from the Mathematics or General Schedules			12
Year 3			
300-level subjects chosen from the Mathematics Schedule			36
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Applied Statistics (code STAT)

Major Study

To satisfy the requirements for a major study in Applied Statistics, a student shall satisfactorily complete (at a grade of Pass or better) any MATH or STAT subjects listed above, to a total of at least 48 credit points; of which at least 12 credit points must be at 200 level and must include STAT231 and STAT232; and at least 24 credit points must be of 300 level STAT subjects.

The following suggested program is intended as a guideline only in selecting suitable supplementary subjects to make a reasonable pattern for a major in Applied Statistics.

All candidates are expected to consult with the School and Faculty advisers before committing themselves completely to any particular pattern, whether outlined below or not.

Double Major

A major in Applied Statistics can be combined with Mathematics, Computer Science, Economics, Econometrics, Accountancy, Business Information Systems, Management, Marketing, Finance or Biomedical Sciences. Second major requirements are listed below.

Suggested Program in Applied Statistics

Subjects		Session	Credit Points
Year 1			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			12
Year 2			
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Year 3

STAT304	Operations Research and Applied Probability	Spring	6
STAT332	Multiple Regression and Time Series	Spring	6
STAT333	Statistical Inference and Multivariate Analysis	Autumn	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
Plus			
Subjects chosen from the Mathematics Schedule			12
Plus			
Subjects chosen from the Mathematics or General Schedules			12

Mathematics and Computer Science (code MA01)
Applied Statistics and Computer Science (code ST01)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of the following approved 48 credit point major study in Computer Science:

Subjects		Session	Credit Points
CSCI103	Algorithms & Problem Solving	Autumn/ Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
CSCI124	Object Programming	Spring	6
CSCI204	The C Family and Unix	Autumn/ Spring	6
Plus	300-level CSCI subjects		24

To ensure a wider range of options at 300-level, students are advised to undertake at least one additional CSCI subject at 200-level.

Mathematics and Economics (code MA03)
Applied Statistics and Economics (code ST03)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of a major study in Economics, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Economics major. All students must satisfy subject prerequisites except where waivers have been granted.

Alternatively candidates may wish to consider enrolling in the Bachelor of Mathematics and Economics or the Bachelor of Mathematics and Finance.

Mathematics and Econometrics (code MA04)
Applied Statistics and Econometrics (code ST04)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of the following approved 48 credit point major study in Econometrics.

Subjects		Session	Credit Points
ECON221	Econometrics	Autumn	6
ECON231	Business Statistics and Forecasting	Autumn	6
ECON230	Quantitative Analysis for Decision Making	Spring	6
ECON322	Mathematical Economics	Spring	6
ECON327	Advanced Econometrics	Spring	6
Plus			
200/300-level Economics subject			6
Plus			
Two 300-level Economics subjects			12

Mathematics and Accountancy (code MA05)
Applied Statistics and Accountancy (code ST05)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of a major study in Accountancy, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Accountancy major. All students must satisfy subject prerequisites except where waivers have been granted.

Mathematics and Business Information Systems (code MA06)
Applied Statistics and Business Information Systems (code ST06)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of a major study in Business Information Systems, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Business Information Systems major. All students must satisfy subject prerequisites except where waivers have been granted.

Mathematics and Management (code MA12)
Applied Statistics and Management (code ST12)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of a major study in Management, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Management major. All students must satisfy subject prerequisites except where waivers have been granted.

Mathematics and Marketing (code MA13)
Applied Statistics and Marketing (code ST13)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of a major study in Marketing, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Marketing major. All students must satisfy subject prerequisites except where waivers have been granted.

Mathematics and Finance (code MA14)
Applied Statistics and Finance (code ST14)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of a major study in Finance, as outlined in the Bachelor of Commerce entry. Note, however, that students are not required to complete the core subjects as listed in the Bachelor of Commerce except where those subjects are prerequisites to subjects in the Finance major. All students must satisfy subject prerequisites except where waivers have been granted.

Alternatively candidates may wish to consider enrolling in the Bachelor of Mathematics and Economics or the Bachelor of Mathematics and Finance.

Mathematics and Biomedical Sciences (code MA15)
Applied Statistics and Biomedical Sciences (code ST15)

This double major requires satisfactory completion of a major study in Mathematics or Applied Statistics and satisfactory completion of the following approved 54-56 credit point major study in Biomedical Science.

Subjects		Session	Credit Points
BMS101	Systemic Anatomy	Autumn	6
BMS112	Human Physiology 1: Principles and Systems	Spring	6
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
BMS242	Exercise Physiology	Spring	6
BMS342	Advanced Exercise Physiology	Autumn	8
BMS344	Cardiorespiratory Physiology	Autumn	8
and either			
BMS211	Foundations of Biomechanics	Autumn	6
or			
BMS352	Fundamentals of Neuroscience	Autumn	8
and either			
BMS341	Clinical Biomechanics	Spring	8
or			
BMS346	Motor Control and Dysfunction	Spring	8

Mathematics/Statistics and Various Sciences

Students should refer to an Academic Adviser in the school of Maths and Applied Statistics for assistance with choice of subjects.

code MA07 Mathematics and Biology
code MA08 Mathematics and Chemistry

code MA02	Mathematics and Geography
code MA09	Mathematics and Geology
code MA10	Mathematics and Physics
code MA11	Mathematics and Ecology and Biogeography
code ST07	Applied Statistics and Biology
code ST08	Applied Statistics and Chemistry
code ST02	Applied Statistics and Geography
code ST09	Applied Statistics and Geology
code ST10	Applied Statistics and Physics
code ST11	Applied Statistics and Ecology and Biogeography

Bachelor of Mathematics (Advanced)

Testamur Title of Degree:	Bachelor of Mathematics (Advanced)
Abbreviation:	BMathAdv
Home Faculty:	Informatics
Duration:	3 years part-time equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $7,700 per session
Location:	Wollongong
UOW Course Code:	762A
UAC Code:	756512
CRICOS Code:	036040F

Overview

This challenging Bachelor degree is available to students who have superior mathematical knowledge on entry, allowing the amount of first year mathematics subjects to be significantly reduced. This enables students to take enrichment projects, which provide opportunities to build links with industry and to understand the interaction between mathematics and society. Students will also have close interaction with active academic researchers.

Entry Requirements / Assumed Knowledge

Approximate UAI: 95

Assumed Knowledge: HSC Mathematics Extension 2

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Course Requirements

To qualify for the award of the degree of Bachelor of Mathematics (Advanced), candidates must satisfactorily complete at least 144 credit points from either or both the Mathematics and the General Schedule including:

(i) MATH110

(ii) CSCI114

(iii) Each of the subjects MATH201, MATH202, MATH203 and MATH204

(iv) Each of the subjects MATH212, MATH222 and STAT231

(v) the subject MATH235 or STAT235

(vi) the subject MATH345 or STAT345

(vii) 300 level subjects from the Mathematics Schedule with a value of at least:

36 credit points, or
24 credit points, if there is a major study in Computer Science
30 credit points, if there is any other major study

(viii) a major study in Mathematics or Statistics (apart from MATH345 and STAT345)

(ix) no more than 60 credit points at 100 level.

(x) continuation in the Bachelor of Mathematics (Advanced) (code 762A) will normally be dependent upon achieving an average of at least 75% each year. Students who do not meet the required average will be transferred to the Bachelor of Mathematics degree (code 762).

Note that a student could do some 300 level subjects in second year.

Course Program

Recommended Program in Mathematics, Statistics plus another discipline

The following is a possible enrolment program for someone doing a "major" in a discipline other than Mathematics, Statistics or Computer Science. [NOTE that a program like this does not mean that the formal requirements for a major in the other discipline will be satisfied. Candidates are advised to check the requirements for a major in other disciplines listed under the Bachelor of Mathematics degree regulations.] Considerable variation is possible.

Subjects		Session	Credit Points
Year 1			
MATH110	Advanced Mathematics 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH202	Differential Equations 2	Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
Plus	Other subjects		18
Year 2			
MATH235/ STAT235	Project A	Autumn/ Spring	6
STAT231	Probability and Random Variables	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
Plus	Other subjects		18
Year 3			
MATH345/ STAT345	Project B	Autumn/ Spring	6
Plus	MATH/STAT 300 level subjects		24
Plus	Other Major subjects		18

Recommended Program in Industrial and Applied Mathematics

Subjects		Session	Credit Points
Year 1			
MATH110	Advanced Mathematics 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH202	Differential Equations 2	Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
Plus	Other subjects		18
Year 2			
MATH235	Project A	Autumn/ Spring	6
STAT231	Probability and Random Variables	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
Plus	Other subjects		18
Year 3			
MATH302	Differential Equations 3	Spring	6
MATH305	Partial Differential Equations	Autumn	6
MATH345	Project B	Autumn/ Spring	6
Plus at least two subjects chosen from:			
MATH312	Applied Mathematical Modelling 3	Autumn	6
MATH313	Industrial Mathematical Modelling	Spring	6
MATH317	Financial Calculus and Logistics	Autumn	6
MATH321	Numerical Analysis	Spring	6
Plus one 300-level subject chosen from the Mathematics Schedule			6
Plus	Other subjects		12

Recommended Program in Mathematical Analysis

Subjects		Session	Credit Points
Year 1			
MATH110	Advanced Mathematics 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH202	Differential Equations 2	Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
Plus	Other subjects		18
Year 2			
STAT231	Probability and Random Variables	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
MATH235	Project A	Autumn/ Spring	6
Plus	Other subjects		18
Year 3			
MATH302	Differential Equations 3	Spring	6
MATH345	Mathematics Project B	Autumn/ Spring	6
Plus at least three subjects chosen from:			
MATH321	Numerical Analysis	Spring	6
MATH322	Algebra	Autumn	6
MATH323	Topology and Chaos	Spring	6
Plus one 300-level subject chosen from the Mathematics Schedule			6
Plus	Other subjects		12

Recommended Program in Applied Statistics

Subjects		Session	Credit Points
Year 1			
MATH110	Advanced Mathematics 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
MATH202	Differential Equations 2	Spring	6
CSCI114	Procedural Programming	Autumn/ Spring	6
Plus	Other subjects		18
Year 2			
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
STAT235	Statistics Project A	Autumn/ Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
Plus	Other subjects		12
Year 3			
STAT304	Operations Research and Applied Probability	Spring	6
STAT332	Multiple Regression and Time Series	Spring	6
STAT333	Statistical Inference and Multivariate Analysis	Autumn	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT345	Statistics Project B	Autumn/ Spring	6
Plus one 300-level subject chosen from the Mathematics Schedule			6
Plus	Other subjects		12

Honours

A fourth year of study, Honours, is available to students who have achieved a Distinction average or better in the BMath(Adv). It is a challenging program, that includes a research project. Students who wish to enter the Honours program should obtain the approval of the Honours Coordinator at the end of their third year.

Bachelor of Mathematics and Economics

Testamur Title of Degree:	Bachelor of Mathematics and Economics
Abbreviation:	BMathEcon
Home Faculty:	Informatics
Duration:	4 years or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $7,700 per session
Location:	Wollongong
UOW Course Code:	767A
UAC Code:	756502
CRICOS Code:	017733A

Overview

The Bachelor of Mathematics and Economics is an elite course that provides high-level training in both disciplines, and equips graduates for careers in a wide variety of fields. It is also a significant advantage for graduates who wish to pursue higher degrees or research in economics to have a strong background in mathematics.

Entry Requirements / Assumed Knowledge

Approximate UAI: 82

Assumed knowledge: Any two units of English plus HSC Mathematics

Recommended study: HSC Mathematics Extension 1

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Course Requirements

To qualify for the award of the degree of Bachelor of Mathematics and Economics a candidate shall satisfactorily complete at least 192 credit points of prescribed subjects, together with the requirements prescribed for this program.

The following program of study is recommended to satisfy the requirements in minimum time. The subjects listed are compulsory.

Course Program

Subjects		Session	Credit Points
Year 1			
ACCY100	Accounting 1A	Autumn	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
ECON111	Introductory Microeconomics	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
Plus either			6
BUSS111	Business Programming I	Spring	6
or			
CSCI114	Procedural Programming	Spring	6
Year 2			
ECON205	Macroeconomic Theory and Policy	Autumn/ Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/ Spring	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6
Plus			
200-level MATH/STAT subjects from List of Electives			12
Plus			
ACCY/ECON subject from List of Electives			6
Note: Students interested in Statistics are recommended to take STAT231, STAT232 and STAT332.			
Year 3			
ECON221	Econometrics	Autumn	6
ECON322	Mathematical Economics	Spring	6
MATH302	Differential Equations 3	Spring	6

MATH317	Financial Calculus and Logistics	Autumn	6
Plus either			
300 level ECON subject from List of Electives			6
or			
STAT232	Estimation & Hypothesis Testing	Spring	6
Plus			
300-level MATH/STAT subject from List of Electives			6
Plus			
ACCY/BUSS/ECON subject from List of Electives			6
Plus			
Any 200/300-level subject from List of Electives			6

Year 4 (Non Honours)

ECON327	Advanced Econometrics	Spring	6
MGMT308	Introduction to Management for Professionals A	Autumn	6
Plus either			
300-level ECON subjects from List of Electives			12
or			
300-level ECON subject from List of Electives			6
and			
STAT232	Estimation & Hypothesis Testing	Spring	6
Plus			
300/400-level INFO/MATH/STAT subjects from List of Electives			24

Year 4 (Honours)

Entry to this program is restricted to candidates who satisfy the pre-requisite to INFO402

ECON327	Advanced Econometrics	Spring	6
MATH471	Honours Topics in Mathematics A (see Note 1)	Autumn/ Spring	6
MATH472	Honours Topics in Mathematics B (see Note 1)	Autumn/ Spring	6
INFO402	Mathematics and Economics Honours Project (see Note 2)	Autumn/ Spring	12
MGMT308	Introduction to Management for Professionals A	Autumn	6
Plus			
300 - level ECON subject from the List of Electives			6
Plus			
300/400-level INFO/MATH/ECON/STAT subject from the List of Electives.			6

Note 1: Enrolment in MATH471 or MATH472 is restricted to those candidates who have a WAM greater than or equal to 67.5 on satisfactory completion of 144 credit points of the course, or permission of the Head of the School of Mathematics and Applied Statistics.

Note 2: Enrolment in INFO402 is restricted to those candidates who have a WAM greater than or equal to 67.5 on satisfactory completion of 144 credit points of the course, or permission of Course Coordinator.

List of Electives

ACCY102	Accounting 1B	Spring	6
FIN241	International Financial Management	Autumn	6
BUSS110	Introduction to Business Information Systems	Autumn/ Summer	6
BUSS201	User- Centred Business Programming	Autumn	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
ECON301	Monetary Economics	Autumn	6
ECON305	Economic Policy	Spring	6
ECON309	Environmental Economics	Spring	6
ECON310	Cost Benefit Analysis	Spring	6
ECON317	Economics of Health Care	Autumn	8
ECON322	Mathematical Economics	Spring	6
ECON331	Financial Economics	Spring	6
INFO411	Data Mining and Knowledge Discovery	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
MATH204	Complex Variable and Group Theory	Spring	6
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
MATH305	Partial Differential Equations	Autumn	6
MATH321	Numerical Analysis	Spring	6
MATH322	Algebra	Autumn	6
MATH323	Topology and Chaos	Spring	6
MATH371	Special Topics in Industrial and Applied Mathematics 3	Autumn/ Spring	6
MATH372	Special Topics in Mathematical Analysis 3	Autumn	6
MATH473	Honours Topics in Mathematics C	N/A in 2004	6
MATH474	Honours Topics in Mathematics D	N/A in 2004	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
STAT304	Operation Research and Applied Probability	Spring	6
STAT332	Multiple Regression and Time Series	Spring	6

STAT333	Statistical Inference and Multivariate Analysis	Autumn	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT373	Special Topics in Probability and Statistics 3	Autumn/ Spring	6
STAT471	Honours Topics in Statistics A	Autumn/ Spring	6
STAT472	Honours Topics in Statistics B	Autumn/ Spring	6

Honours

To qualify for an award of Honours, students must satisfactorily complete the requirements listed in Year 4 (Honours) of the Course Program above. The classes of Honours awarded are defined in the Course Rules.

Bachelor of Mathematics and Finance

Testamur Title of Degree:	Bachelor of Mathematics and Finance
Abbreviation:	BMathFin
Home Faculty:	Informatics
Duration:	4 years or part-time equivalent
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $7,700 per session
Location:	Wollongong
UOW Course Code:	767
UAC Code:	756503
CRICOS Code:	016107B

Overview

The Bachelor of Mathematics and Finance is an elite degree that provides graduates with a firm foundation in both mathematics and finance.

The degree covers the basics of corporate finance, financial institutions and investments, and allows students to specialise through the choice of elective subjects.

Entry Requirements / Assumed Knowledge

Approximate UAI: 82

Assumed Knowledge: Any two units of English plus HSC Mathematics

Recommended Studies: HSC Mathematics Extension 1

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Course Requirements

To qualify for the award of the degree of Bachelor of Mathematics and Finance a candidate shall satisfactorily complete at least 192 credit points of prescribed subjects, together with the requirements prescribed for the program.

Of the 192 credit points:

i) the subjects listed in the Recommended Program are compulsory unless explicitly stated otherwise;

ii) at least 168 credit points shall be for MATH, STAT, ACCY, ECON, FIN and MGMT subjects;

iii) no more than 66 credit points shall be for 100-level subjects;

iv) for the non-Honours strand, at least 60 credit points shall be for 300- and/or 400-level subjects; including at least 24 credit points of MATH/STAT subjects and at least 24 credit points of ACCY/FIN subjects and

v) for the Honours strand, at least 72 credit points shall be for 300- and/or 400-level subjects, including at least 24 credit points of MATH/STAT subjects and at least 24 credit points of ACCY/FIN subjects. At least 36 of these 72 credit points shall be for 400-level subjects including at least one 6 credit point MATH or STAT subject.

The following program of study is recommended to satisfy the requirements in minimum time.

Course Program

Subjects		Session	Credit Points
Year 1			
ACCY100	Accounting 1A	Autumn	6
ACCY102	Accounting 1B	Spring	6
ECON101	Macroeconomic Essentials for Business	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
STAT131#	Understanding Variation and Uncertainty	Autumn	6
Plus either			
BUSS111	Business Programming I	Spring	6
or			
CSCI114	Procedural Programming	Spring	6

Not compulsory, but still recommended. Students may select an alternative subject from the List of Electives or enrol in a compulsory subject from a later year of the program

Year 2			
FIN221	Business Finance I	Autumn/ Summer	6
ECON111	Introductory Microeconomics	Autumn/ Spring	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
FIN223	Investments I	Spring	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
Plus			
Subject chosen from List of Electives			6
Year 3			
FIN322	Business Finance II	Spring	6
FIN323	Investments II	Autumn	6
ECON331	Financial Economics	Spring	6
MATH203	Linear Algebra	Autumn	6
MATH317	Financial Calculus and Logistics	Autumn	6
STAT332	Multiple Regression and Time Series	Spring	6
Plus			
Subjects chosen from List of Electives			12
Year 4 (Non Honours)			
Subjects chosen from List of Electives			48
Year 4 (Honours)			
Entry to this program is restricted to candidates who satisfy the prerequisite to INFO401			
ACCY407	Empirical Research Methods	N/A in 2004	6
INFO401	Mathematics and Finance Honours Project (see Note 4)	Spring/ Annual	12
Plus			
Subjects chosen from List of Electives			30

Note 4: Enrolment in INFO401 is restricted to those candidates who have a WAM greater than or equal to 67.5 on satisfactory completion of 144 credit points of the course.

List of Electives			
ACCY201	Financial Accounting IIB	Spring	6
ACCY202	Financial Accounting IIA	Autumn	6
ACCY407	Empirical Research Methods	N/A in 2004	6
BUSS110	Introduction to Business Information Systems	Autumn/ Summer	6
BUSS211	Requirements Determination and Systems Analysis	Autumn	6
BUSS212	Database Management Systems	Spring	6
CSCI102	Systems	Spring	6
CSCI103	Algorithms and Problem Solving	Autumn/ Spring	6
CSCI124	Object Programming	Spring	6
CSCI204	The C Family and Unix	Autumn/ Spring	6
CSCI235	Databases	Spring	6
ECON215	Microeconomic Theory and Policy	Autumn/ Spring	6
ECON216	International Trade Theory and Policy	Spring	6
ECON301	Monetary Economics	Autumn	6
ECON305	Economic Policy	Spring	6
ECON307	International Monetary Economics	Spring	6
FIN226	Financial Institutions	Spring	6
FIN320	Risk and Insurance	Spring	6
FIN324	Financial Statement Analysis	Autumn	6
FIN325	Banking Practice	Autumn	6

FIN351	International Business Finance	Spring	6
FIN359	Selected Issues in Finance	N/A in 2004	6
FIN422	Investment Analysis	N/A in 2004	6
FIN423	Investment Management	N/A in 2004	6
FIN424	Corporate Financial Information Analysis	N/A in 2004	6
FIN425	Banking Theory and Practice	Autumn	6
FIN426	Studies in Business Finance	Autumn	6
FIN487	Special Topic in Finance	Autumn/ Spring	6
IACT201	Information Technology and Citizens' Rights	Autumn	6
INFO411	Data Mining and Knowledge Discovery	Spring	6
INFO412	Mathematics for Cryptography	Autumn	6
LAW100	Law in Society	Autumn	6
LAW210	Contract Law	Spring	6
MATH121	Discrete Mathematics	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
MATH302	Differential Equations 3	Spring	6
MATH305	Partial Differential Equations	Autumn	6
MATH321	Numerical Analysis	Spring	6
MATH322	Algebra	Autumn	6
MATH323	Topology and Chaos	Spring	6
MATH371	Special Topics in Industrial and Applied Mathematics 3	Autumn/ Spring	6
MATH372	Special Topics in Mathematical Analysis 3	Autumn	6
MATH471	Honours Topics in Mathematics A	Autumn/ Spring	6
MATH472	Honours Topics in Mathematics B	Autumn/ Spring	6
MGMT308	Introduction to Management for Professionals A	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
STAT304	Operations Research and Applied Probability	Spring	6
STAT333	Statistical Inference and Multivariate Analysis	Autumn	6
STAT335	Sample Surveys and Experimental Design	Autumn	6
STAT373	Special Topics in Probability and Statistics 3	Autumn/ Spring	6
STAT471	Honours Topics in Statistics A	Autumn/ Spring	6
STAT472	Honours Topics in Statistics B	Autumn/ Spring	6

Honours

To qualify for an award of Honours, students must satisfactorily complete the requirements listed in Year 4 (Honours) of the Course Program above. The classes of Honours awarded are defined in the Course Rules.

Bachelor of Mathematics Education

Refer to the Faculty of Education section for details of this program.

Bachelor of Mathematical Sciences

Refer to the Faculty of Science section for details of this program.

Bachelor of Computer Science – Bachelor of Laws

Refer to the Faculty of Law section for details of this double degree program.

Bachelor of Computer Science - Bachelor of Science

Testamur Title of Degree:	Bachelor of Computer Science (name of major) Bachelor of Science (name of major)
Abbreviation:	BCompSc/BSc
Home Faculty:	Informatics
Duration:	4 years of part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	768
UAC Code:	751402
CRICOS Code:	017737G

Overview

Please refer to the entries for the Bachelor of Computer Science and Bachelor of Science (in Faculties of Science and Engineering).

Entry Requirements / Assumed Knowledge

Please refer to the entry requirements/assumed knowledge for the Bachelor of Computer Science and Bachelor of Science (in Faculties of Science and Engineering).

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

To qualify for the award of the double degree of Bachelor of Computer Science and Bachelor of Science, candidates must satisfactorily complete the subjects and credit points as prescribed in the following Program, and in so doing, satisfy the requirements of Course Rules 107 and 109 for the Bachelor of Computer Science and the Bachelor of Science, respectively.

Minimum Performance Requirement

Candidates must maintain a weighted average mark (WAM) of at least 65 at the end of each year, otherwise they must show cause as to why they should be permitted to remain registered for the two courses.

Candidates who, at the end of any year of registration, have satisfied the minimum rate of progress requirements under General Course Rule 8.8, but who do not have a WAM of at least 65 and who have not given adequate reason as to why they should be permitted to continue with registration for the joint course, will be required to transfer into either a Bachelor of Computer Science or a Bachelor of Science.

Course Program

Subjects		Session	Credit Points
Year 1			
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Autumn	6
CSCI124	Object Programming	Spring	6
MATH121	Discrete Mathematics	Autumn	6

Plus 24 credit points from 100-level BIOL and/or CHEM and/or EESC and/or PHYS subjects selected from the Science Schedule

Year 2			
CSCI102	Systems	Autumn	6
CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	The C Family and Unix	Spring	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6

Plus at least 18 credit points from 100- and/or 200-level BIOL and/or CHEM and/or EESC and/or PHYS subjects selected from the Science Schedule.

Plus at least 18 credit points selected from the Computer Science, Science and/or General Schedules.

Year 3

CSCI212	Interacting Systems	Autumn	6
CSCI222	Systems Development	N/A in 2004	6

Plus at least 12 credit points of 300-level subjects selected from the Computer Science Schedule.

Plus at least 24 credit points from 200- and/or 300-level BIOL and/or CHEM and/or EESC and/or PHYS subjects selected from the Science Schedule.

Plus at least 12 credit points selected from the Computer Science, Science and/or General Schedules.

Year 4

CSCI321	Project	Annual	12

Plus at least 12 credit points of 300-level subjects selected from the Computer Science Schedule.

Plus at least 24 credit points from 200- and/or 300-level BIOL and/or CHEM and/or EESC and/or PHYS subjects selected from the Science Schedule.

If the Science major study is Physics, please refer to your coordinator for details of MATHS subject selection.

Major Study Areas

Please refer to the separate entries for the Bachelor of Computer Science and the Bachelor of Science (in Faculties of Science and Engineering).

Honours

Candidates may apply, within normal procedures, to register for either, or consecutively, both, the Bachelor of Computer Science (Honours) or the Bachelor of Science (Honours) after the satisfactory completion of the joint program.

Professional Recognition

The Bachelor of Computer Science has recently been revised, therefore re-accreditation by the Australian Computer Society as meeting requirements for membership at a “Professional level” is currently being sought.

Bachelor of Creative Arts - Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Creative Arts major study) Bachelor of Computer Science (major study)
Abbreviation:	BCA/BCompSc
Home Faculty:	Creative Arts
Duration:	4 years or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	844
UAC Code:	751503
CRICOS Code:	031166K

Overview

Please refer to the entries for the Bachelor of Creative Arts and the Bachelor of Computer Science.

Entry Requirements / Assumed Knowledge

Please refer to the entry requirements/assumed knowledge for the Bachelor of Creative Arts and the Bachelor of Computer Science.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

To qualify for award of the double degree of Bachelor of Creative Arts - Bachelor of Computer Science, a candidate must satisfactory complete at least 216 credit points from the Computer Science Schedule, the Creative Arts Schedule and the General Schedule.

The 216 credit points must include:

- no more than 96 credit points at 100 level;
- no more than 36 credit points (ie 1/6) of subjects at PC grade.

The 108 credit points for Creative Arts must include a major study for the Bachelor of Creative Arts comprising 108 credit points of compulsory subjects as listed in the Bachelor of Creative Arts course structure.

The 108 credit points for Computer Science must include:

- the following core subjects:

CSCI102	Systems
CSCI103	Algorithms & Problem Solving
CSCI114	Procedural Programming
CSCI124	Object Programming
MATH121	Discrete Mathematics
STAT131	Understanding Variation & Uncertainty
CSCI203	Algorithms and Data Structures
CSCI204	The C Family and Unix
CSCI212	Interacting Systems
CSCI222	Systems Development
CSCI321	Project

- An additional 24 credit points of 300-level subjects, of which 12 credit points must be CSCI subjects. Note that at least 24 credit points of 300-level subjects, including CSCI321, must be at pass grade or better.
- Elective subjects from the Computer Science Schedule, the Creative Arts Schedule or the General Schedule to the value of at least 12 credit points.

Course Program

The following program of study is recommended to satisfy the requirements in minimum time

Subjects		Session	Credit Points
Year 1			
CSCI103	Algorithms and Problem Solving	Autumn/Spring	6
CSCI114	Procedural Programming	Autumn/Spring	6
Plus up to 36 credit points of prescribed subjects for a Major Study selected from the Creative Arts course structure.			
Year 2			
CSCI102	Systems	Autumn	6
CSCI124	Object Programming	Spring	6
CSCI212	Interacting Systems	Autumn	6
CSCI222	Systems Development	N/A in 2004	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn/ Spring	6
Plus up to 24 credit points of prescribed subjects for a Major Study selected from the Creative Arts course structure.			
Year 3			
CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	The C Family and Unix	Autumn/ Spring	6
Plus 12 credit points selected from the Computer Science Schedule, the Creative Arts Schedule or the General Schedule.			
Plus 12 credit points of 300-level subjects (Noting that CSCI336 Computer Graphics is required for the students enrolled in the Visual or Graphic Arts Studies programme in the Creative Arts degree.)			
Plus up to 24 credit points of prescribed subjects for a Major Study selected from the Creative Arts course structure.			
Year 4			
CSCI321	Project	Annual	12
Plus 12 credit points of 300 level Computer Science subjects			
Plus 24 credit points of subjects from Creative Arts Schedule			

Major Study Areas

Please refer to the entries for the Bachelor of Creative Arts and the Bachelor of Computer Science

Honours

Subject to satisfactory performance, existing 48 credit point end-on honours courses will be available for either the Bachelor of Computer Science or the Bachelor of Creative Arts, or sequentially for both degrees. Please refer the entries for each degree for further details.

Professional Recognition

The Bachelor of Computer Science has recently been revised, therefore re-accreditation by the Australian Computer Society as meeting requirements for membership at a "Professional level" is currently being sought.

Bachelor of Engineering – Bachelor of Arts

Testamur Title of Degree:	Bachelor of Engineering (name of major) Bachelor of Arts (name of major)
Abbreviation:	BE,BA
Home Faculty:	Informatics
Duration:	5 years or part-time equivalent
Total Credit Points:	274
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	704E, 704F
UAC Code:	751303
CRICOS Code:	048492A

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering-Bachelor of Arts combines the aims of the BE with those of the BA.

It offers the opportunity for professional engineering students, who have a flair for languages, history, philosophy, etc., to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Arts for further details.

Entry Requirements/Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics.

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

Students are required to satisfactorily complete one of the programs in Computer Engineering, Electrical Engineering or Telecommunications Engineering listed below.

Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

Generally, there is a minimum requirement of 72 credit points in subjects from the Arts Schedule for the BA. In most cases, however, students should expect to be required to take up to 90 credit points from the Arts Schedule.

The choice of Arts subjects will be constrained by the requirements for a BA degree as set out in the Course Rules and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Arts.

All BE,BA students must sit for and perform satisfactorily in an English Literacy Test organised by the School in association with the Student Learning Development Centre. The test will be held during the first session of a student's enrolment at the University. It is a requirement of the BE degree that the student perform satisfactorily in at least one such test prior to enrolment in ECTE457 Thesis. Students who are deemed to require tuition in literacy in order to complete this requirement will be advised accordingly and will be required to repeat the literacy test the following year. Enrolment in and attendance at literacy courses will be the individual responsibility of the students concerned.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

It is a requirement of the BE,BA that all students enrolled maintain weighted average mark of 67.5% or better throughout the course or they will be transferred to the BE Course.

Professional Experience

All BE,BA students must accumulate at least 12 weeks of approved professional engineering experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Arts entry for detail regarding the Bachelor of Arts (Honours).

Professional Recognition

The Bachelor of Engineering (Computer Engineering) degree is accredited by Engineers Australia, the Australian Computer Society and the Singapore Professional Engineers Board.

The Bachelor of Engineering (Electrical Engineering) degree is accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering (Telecommunications Engineering) degree is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Arts, students who have completed the recommended first year program of the Bachelor of Engineering (Computer Engineering or Electrical Engineering or Telecommunications Engineering) course and who have gained a weighted average mark of 67.5% or better may transfer to the BE,BA.

Further information is available from http://www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Bachelor of Engineering (Computer Engineering) – Bachelor of Arts

To qualify for award of the degrees of Bachelor of Engineering (Computer Engineering) and Bachelor of Arts, a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed for the Bachelor of Engineering (Computer Engineering), (except the Computer Option) having a value of 186 credit points; and

(b) the requirements for the Bachelor of Arts.

To qualify for the award of the degree of Bachelor of Arts only, a candidate must satisfy requirements stipulated in Course Rule 105.

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6

PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6

Note:
MATH187 may be replaced by MATH141/161
MATH188 may be replaced by MATH142/162

Year 2

CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
Plus	Choice of 100/200-level Arts Subjects	Autumn/ Spring	18

Year 3

ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Choice of 200/300-level Arts Subjects	Autumn/ Spring	30

Year 4

ECTE313	Electronics	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
CSCI205	Development Methods and Tools	Spring	6
ECTE301	Digital Signal Processing 1	Spring	6
Plus	Choice of 200/300-level Arts Subjects	Autumn/ Spring	32

Year 5

ECTE457	Thesis	Annual	18
CSCI311	Software Process Management	Autumn	6
ECTE431	Real-time Computing	Autumn	3
ECTE432	Computer Systems	Autumn	3
Plus	2 Final Year Specialisation Subjects	Autumn	6
	4 Final Year Specialisation Subjects	Spring	12
	Choice of 300-level Arts Subjects	Autumn/ Spring	8

Bachelor of Engineering (Electrical Engineering) – Bachelor of Arts

To qualify for award of the degrees of Bachelor of Engineering (Electrical Engineering) and Bachelor of Arts a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed for the Bachelor of Engineering (Electrical Engineering), (except the Electrical Option) and having a value of 186 credit points; and

(b) the requirements for the Bachelor of Arts.

To qualify for the award of the degree of Bachelor of Arts only, a candidate must satisfy requirements stipulated in Course Rule 105.

Recommended Full-Time Program

Subjects		Session	Credit Points

Year 1

CSCI114	Procedural Programming	Autumn	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6

Note:
MATH187 may be replaced by MATH141/161
MATH188 may be replaced by MATH142/162

Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
Plus	Choice of 100/200-level Arts Subjects	Autumn/ Spring	18
Year 3			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Choice of 200/300-level Arts Subjects	Autumn/ Spring	30
Year 4			
ECTE313	Electronics	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE323	Power Engineering 2	Autumn	6
ECTE363	Communication Theory	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
Plus	Choice of 200/300-level Arts Subjects	Autumn/ Spring	32
Year 5			
ECTE457	Thesis	Annual	18
Plus	6 Final Year Specialisation Subjects	Autumn	18
Plus	4 Final Year Specialisation Subjects	Autumn	12
Plus	Choice of 300-level Arts Subjects	Autumn/ Spring	8

Bachelor of Engineering (Telecommunications Engineering) – Bachelor of Arts

To qualify for award of the degrees of Bachelor of Engineering (Telecommunications Engineering) and Bachelor of Arts a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed for the Bachelor of Engineering (Telecommunications Engineering), (except the Telecommunications Option) and having a value of 186 credit points; and

(b) the requirements for the Bachelor of Arts.

To qualify for the award of the degree of Bachelor of Arts only, a candidate must satisfy requirements stipulated in Course Rule 105.

Recommended Full-Time Program

Subjects		**Session**	**Credit Points**
Year 1			
CSCI114	Procedural Programming	Autumn	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Note:			
MATH187 may be replaced by MATH141/161			
MATH188 may be replaced by MATH142/162			
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers, Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
Plus	Choice of 100/200-level Arts Subjects	Autumn/ Spring	18

Year 3

ECTE250	Engineering Design and Management 2	Annual	6
ECTE333	Digital Hardware 2	Spring	6
ECTE344	Control Theory	Autumn	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Choice of 200/300-level Arts Subjects	Autumn/ Spring	30

Year 4

ECTE313	Electronics	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
ECTE364	Telecommunication Networks 1	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
ECTE381	Internet Engineering 1	Spring	6
Plus	Choice of 200/300-level Arts Subjects	Autumn/ Spring	24

Year 5

ECTE457	Thesis	Annual	18
ECTE461	Telecommunications Queuing Theory	Autumn	3
ECTE462	Telecommunications System Modelling	Autumn	3
Plus	2 Final Year Specialisation Subjects	Autumn	6
	4 Final Year Specialisation Subjects	Spring	12
	Choice of 300-level Arts Subjects	Autumn/ Spring	16

Bachelor of Engineering – Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Engineering (name of major) Bachelor of Commerce (name of major)
Abbreviation:	BE,BCom
Home Faculty:	Informatics
Duration:	5 years or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	727F
UAC Code:	751602
CRICOS Code:	042625G

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering-Bachelor of Commerce combines the aims of the BE with those of the BCom. It offers the opportunity for professional engineering students, who have a flair for business, finance, management, marketing, etc., to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering. It is likely to be of particular interest to those students who wish to undertake a career in management.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Commerce for further details.

Entry Requirements / Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics.

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

Students are required to satisfactorily complete one of the programs in Computer Engineering, Electrical Engineering or Telecommunications Engineering listed below. Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

To assist students to complete their program, some Commerce subjects are available in Summer Session. Students should consult the timetable for details.

The choice of Commerce subjects will be constrained by the requirements for a BCom degree as set out in the Course Rules and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Commerce.

All BE,BCom students must sit for and perform satisfactorily in an English Literacy Test organised by the School in association with the Student Learning Development Centre. The test will be held during the first session of a student's enrolment at the University. It is a requirement of the BE degree that the student perform satisfactorily in at least one such test prior to enrolment in ECTE457 Thesis. Students who are deemed to require tuition in literacy in order to complete this requirement will be advised accordingly and will be required to repeat the literacy test the following year. Enrolment in and attendance at literacy courses will be the individual responsibility of the students concerned.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

It is a requirement of the BE,BCom that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the BE Course.

Professional Experience

All BE,BCom students must accumulate at least 12 weeks of approved professional engineering experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Commerce entry for detail regarding the Bachelor of Commerce (Honours).

Professional Recognition

The Bachelor of Engineering (Computer Engineering) degree is accredited by Engineers Australia, the Australian Computer Society and the Singapore Professional Engineers Board.

The Bachelor of Engineering (Electrical Engineering) degree is accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering (Telecommunications Engineering) degree is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Commerce, students who have completed the recommended first year program of the Bachelor of Engineering (Computer Engineering or Electrical Engineering or Telecommunications Engineering) course and who have gained a weighted average mark of 67.5% or better may transfer to the BE,BCom.

Further information is available from http://www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Bachelor of Engineering (Computer Engineering) – Bachelor of Commerce

To qualify for award of the degrees of Bachelor of Engineering (Computer Engineering) and Bachelor of Commerce a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed for the Bachelor of Engineering (Computer Engineering), (except ECTE150 Engineering Design and Management 1, ECTE250 Engineering Design and Management 2 and the Computer Option) and having a value of 174 credit points; and

(b) the requirements for the Bachelor of Commerce.

To qualify for the award of the degree of Bachelor of Commerce only, a candidate must satisfy requirements stipulated in Course Rule 106.

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Plus	Choice of 100-level Commerce Subjects	Autumn	6
Note:			
MATH187 may be replaced by MATH141/161			
MATH188 may be replaced by MATH142/162			
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
Plus	Choice of 100/200-level Commerce Subjects	Autumn/ Spring	18
Year 3			
ECTE313	Electronics	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Choice of 200/300-level Commerce Subjects	Autumn/ Spring	30
Year 4			
ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
CSCI205	Development Methods and Tools	Spring	6
ECTE301	Digital Signal Processing 1	Spring	6
Plus	Choice of 200/300-level Commerce Subjects	Autumn/ Spring	30
Year 5			
ECTE457	Thesis	Annual	18
CSCI311	Software Process Management	Autumn	6
ECTE431	Real-time Computing	Autumn	3
ECTE432	Computer Systems	Autumn	3
Plus	2 Final Year Specialisation Subjects	Autumn	6
	4 Final Year Specialisation Subjects	Spring	12
	300-level Commerce Subject	Autumn/ Spring	6

Bachelor of Engineering (Electrical Engineering) – Bachelor of Commerce

To qualify for award of the degrees of Bachelor of Engineering (Electrical Engineering) and Bachelor of Commerce a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed for the Bachelor of Engineering (Electrical Engineering), (except ECTE150 Engineering Design and Management 1, ECTE250 Engineering Design and Management 2 and the Electrical Option) and having a value of 174 credit points; and

(b) the requirements for the Bachelor of Commerce.

To qualify for the award of the degree of Bachelor of Commerce only, a candidate must satisfy requirements stipulated in Course Rule 106.

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Plus	Choice of 100-level Commerce Subjects	Autumn	6

Note:
MATH187 may be replaced by MATH141/161
MATH188 may be replaced by MATH142/162

Year 2

CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
Plus	Choice of 100/200-level Commerce Subjects	Autumn/ Spring	18

Year 3

ECTE313	Electronics	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Choice of 200/300-level Commerce Subjects	Autumn/ Spring	30

Year 4

ECTE350	Engineering Design and Management 3	Annual	6
ECTE323	Power Engineering 2	Autumn	6
ECTE363	Communication Theory	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
Plus	Choice of 200/300-level Commerce Subjects	Autumn/ Spring	30

Year 5

ECTE457	Thesis	Annual	18
Plus	6 Final Year Specialisation Subjects	Autumn	18
	4 Final Year Specialisation Subjects	Spring	12
	300-level Commerce Subject	Autumn/ Spring	6

Bachelor of Engineering (Telecommunications Engineering) – Bachelor of Commerce

To qualify for award of the degrees of Bachelor of Engineering (Telecommunications Engineering) and Bachelor of Commerce a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed for the Bachelor of Engineering (Telecommunications Engineering), (except ECTE150 Engineering Design and Management 1, ECTE250 Engineering Design and Management 2 and the Telecommunications Option) and having a value of 174 credit points; and

(b) the requirements for the Bachelor of Commerce.

To qualify for the award of the degree of Bachelor of Commerce only, a candidate must satisfy requirements stipulated in Course Rule 106.

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS141	Fundamentals of Physics A	Autumn	6
PHYS142	Fundamentals of Physics B	Spring	6
Plus	Choice of 100-level Commerce Subjects	Autumn	6

Note:
MATH187 may be replaced by MATH141/161
MATH188 may be replaced by MATH142/162

Year 2

CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH283	Mathematics 2E for Engineers Part 1	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
Plus	Choice of 100/200-level Commerce Subjects	Autumn/ Spring	18

Year 3			
ECTE313	Electronics	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Choice of 200/300-level Commerce Subjects	Autumn/ Spring	30
Year 4			
ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
ECTE364	Telecommunication Networks 1	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
ECTE381	Internet Engineering 1	Spring	6
Plus	Choice of 200/300-level Commerce Subjects	Autumn/ Spring	24
Year 5			
ECTE457	Thesis	Annual	18
ECTE461	Telecommunications Queuing Theory	Autumn	3
ECTE462	Telecommunications System Modelling	Autumn	3
Plus	2 Final Year Specialisation Subjects	Autumn	6
	4 Final Year Specialisation Subjects	Spring	12
	300-level Commerce Subject	Autumn/ Spring	12

Bachelor of Engineering – Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Engineering (name of major) Bachelor of Mathematics (name of major)
Abbreviation:	BE,BMath
Home Faculty:	Informatics
Duration:	5 years or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	738
UAC Code:	751611
CRICOS Code:	-

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering-Bachelor of Mathematics combines the aims of the BE with those of the BMath. It offers the opportunity for professional engineering students, who have a flair for mathematics or statistics, to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering. It is likely to be of particular interest to those students who wish to undertake a career in research.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Mathematics for further details.

Entry Requirements/Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics.

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

Students are required to satisfactorily complete one of the programs in Computer Engineering, Electrical Engineering or Telecommunications Engineering listed below. Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

The choice of Mathematics or Statistics subjects will be constrained by the requirements for a BMath degree as set out in the Course Rules and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Head of the School of Mathematics and Applied Statistics.

All BE,BMath students must sit for and perform satisfactorily in an English Literacy Test organised by the School in association with the Student Learning Development Centre. The test will be held during the first session of a student's enrolment at the University. It is a requirement of the BE degree that the student perform satisfactorily in at least one such test prior to enrolment in ECTE457 Thesis. Students who are deemed to require tuition in literacy in order to complete this requirement will be advised accordingly and will be required to repeat the literacy test the following year. Enrolment in and attendance at literacy courses will be the individual responsibility of the students concerned.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

It is a requirement of the BE,BMath that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the BE Course.

Professional Experience

All BE,BMath students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Mathematics entry for detail regarding the Bachelor of Mathematics (Honours).

Professional Recognition

The Bachelor of Engineering (Computer Engineering) degree is accredited by Engineers Australia, the Australian Computer Society and the Singapore Professional Engineers Board.

The Bachelor of Engineering (Electrical Engineering) degree is accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering (Telecommunications Engineering) degree is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Mathematics, students who have completed the recommended first year program of the Bachelor of Engineering (Computer Engineering or Electrical Engineering or Telecommunications Engineering) course and who have gained a weighted average mark of 67.5% or better may transfer to the BE,BMath.

Further information is available from http://www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Bachelor of Engineering (Computer Engineering) – Bachelor of Mathematics

To qualify for award of the degrees of Bachelor of Engineering (Computer Engineering) and Bachelor of Mathematics a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed for the Bachelor of Engineering (Computer Engineering), (except MATH283 Mathematics 2E for Engineers Part 1 and replacing the Computer Option with an Informatics Option) and having a value of 186 credit points;

(b) Requirements 2, 3, 6, 8(c) and 9, for the Bachelor of Mathematics, including no more than 18 credit points at 100-level.

To qualify for the award of the degree of Bachelor of Mathematics only, a candidate must satisfy requirements stipulated in Course Rule 108.

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6

PHYS142	Fundamentals of Physics B	Spring	6
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
Year 3			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE333	Digital Hardware 2	Spring	6
ECTE344	Control Theory	Autumn	6
ENGG291	Engineering Fundamentals	Spring	6
STAT231	Probability and Random Variables	Autumn	6
Plus	Choice of 200/300 level Mathematics or Statistics Subjects	Autumn/ Spring	24
Year 4			
ECTE313	Electronics	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
CSCI205	Development Methods and Tools	Spring	6
ECTE301	Digital Signal Processing 1	Spring	6
Plus	Choice of 300-level Mathematics or Statistics Subjects	Autumn/ Spring	24
Year 5			
CSCI311	Software Process Management	Autumn	6
ECTE431	Real-time Computing	Autumn	3
ECTE432	Computer Systems	Autumn	3
ECTE457	Thesis	Annual	18
Plus	2 Final Year Specialisation Subjects	Autumn	6
Plus	4 Final Year Specialisation Subjects	Spring	12
Plus	Informatics Option	Autumn/ Spring	6

Informatics Option
Year 5:
With the approval of the Head of School, students may select:

(a) one six credit point, 200 or 300 or 400-level subject from those listed in the General Schedule and offered by EITHER

(i) the School of Information Technology and Computer Science (CSCI, IACT or ITCS); or

(ii) the School of Mathematics and Applied Statistics (MATH or STAT).

OR

(b) ECTE281 Embedded Internet Systems

Note that this selection may be constrained by pre- and co-requisites and timetabling.

Bachelor of Engineering (Electrical Engineering) – Bachelor of Mathematics

To qualify for award of the degrees of Bachelor of Engineering (Electrical Engineering)-Bachelor of Mathematics a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed for the Bachelor of Engineering (Electrical Engineering) (except MATH283 Mathematics 2E for Engineers Part 1 and replacing the Electrical Option with an Informatics Option) and having a value of 186 credit points;

(b) Requirements 2, 3, 6, 8(c) and 9, for the Bachelor of Mathematics, including no more than 18 credit points at 100-level.

To qualify for the award of the degree of Bachelor of Mathematics only, a candidate must satisfy requirements stipulated in Course Rule 108.

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6

CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6
Year 3			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Choice of 200/300 level Mathematics or Statistics Subjects	Autumn/ Spring	24
Year 4			
ECTE313	Electronics	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE323	Power Engineering 2	Autumn	6
ECTE363	Communication Theory	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
Plus	Choice of 300-level Mathematics or Statistics Subjects	Autumn/ Spring	24
Year 5			
ECTE457	Thesis	Annual	18
Plus	6 Final Year Specialisation Subjects	Autumn	18
	4 Final Year Specialisation Subjects	Spring	12
	Informatics Option	Autumn/ Spring	6

Informatics Option

Year 5:

With the approval of the Head of School, students may select:

(a) one six credit point, 200 or 300 or 400-level subject from those listed in the General Schedule and offered by EITHER:

(i) the School of Information Technology and Computer Science (CSCI, IACT or ITCS); or

(ii) the School of Mathematics and Applied Statistics (MATH or STAT).

OR

(b) ECTE281 Embedded Internet Systems.

Note that this selection may be constrained by pre- and co-requisites and timetabling.

Bachelor of Engineering (Telecommunications Engineering) – Bachelor of Mathematics

To qualify for award of the degrees of Bachelor of Engineering (Telecommunications Engineering)-Bachelor of Mathematics a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed for the Bachelor of Engineering (Telecommunications Engineering), (except MATH283 Mathematics 2E for Engineers Part 1 and replacing one Telecommunications Option with an Informatics Option) and having a value of 186 credit points;

(b) Requirements 2, 3, 6, 8(c) and 9 for the Bachelor of Mathematics, including no more than 18 credit points at 100-level.

To qualify for the award of the degree of Bachelor of Mathematics only, a candidate must satisfy requirements stipulated in Course Rule 108.

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6

PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6

Year 2

CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH203	Linear Algebra	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
MATH202	Differential Equations 2	Spring	6
MATH204	Complex Variables and Group Theory	Spring	6

Year 3

ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Choice of 200/300 level Mathematics or Statistics Subjects	Autumn/ Spring	24

Year 4

ECTE301	Digital Signal Processing 1	Spring	6
ECTE313	Electronics	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
ECTE364	Telecommunication Networks 1	Autumn	6
ECTE381	Internet Engineering 1	Spring	6
Plus	Choice of 300-level Mathematics or Statistics Subjects	Autumn/ Spring	18

Year 5

ECTE457	Thesis	Annual	18
ECTE461	Telecommunications Queuing Theory	Autumn	3
ECTE462	Telecommunications System Modelling	Autumn	3
Plus	2 Final Year Specialisation Subjects	Autumn	6
	4 Final Year Specialisation Subjects	Spring	12
	Informatics Option	Autumn/ Spring	6
	Choice of 300-level Mathematics or Statistics Subjects	Autumn/ Spring	6

Informatics Option

Year 5:

With the approval of the Head of School, students may select:

(a) one six credit point, 200 or 300 or 400-level subject from those listed in the General Schedule and offered by EITHER:

(i) the School of Information Technology and Computer Science (CSCI, IACT or ITCS); or

(ii) the School of Mathematics and Applied Statistics (MATH or STAT).

OR

(b) ECTE281 Embedded Internet Systems.

Note that this selection may be constrained by pre- and co-requisites and timetabling.

Bachelor of Engineering – Bachelor of Science

Testamur Title of Degree:	Bachelor of Engineering (name of major) Bachelor of Science (name of major)
Abbreviation:	BE,BSc
Home Faculty:	Informatics
Duration:	5 years or part-time equivalent
Total Credit Points:	264
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn/Spring
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	739
UAC Code:	751621
CRICOS Code:	028398J

Overview

There is a high demand in industry and commerce for quality graduates who have expertise in more than one discipline. The double degree program Bachelor of Engineering-Bachelor of Science combines the aims of the BE with those of the BSc. It offers the opportunity for professional engineering students, who have a flair for the sciences, for example, physics, to combine their interest with their professional engineering studies in computer, electrical or telecommunications engineering. It is likely to be of particular interest to those students who wish to undertake a career in research.

Please refer to the entries for the Bachelor of Engineering and the Bachelor of Science (in Faculties of Science and Engineering) for further details.

Entry Requirements / Assumed Knowledge

Approximate UAI: 90

Assumed Knowledge: Any two units of English plus Mathematics and two units of Science.

Recommended Studies: English Advanced, HSC Mathematics Extension 1, Physics and two other units of Science.

For entry requirements for students 21 & over or international students, please refer to the relevant prospectus.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

Students are required to satisfactorily complete one of the programs in Computer Engineering, Electrical Engineering or Telecommunications Engineering listed below. Normally a double degree program requires students to complete 264 credit points, in some cases, however, depending upon the program of study chosen, this number may be exceeded.

The choice of Science subjects will be constrained by the requirements for a BSc degree as set out in the Course Rules and is subject to the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Head of the Department of Engineering Physics or the Sub-Dean, Faculty of Science.

All BE,BSc students must sit for and perform satisfactorily in an English Literacy Test organised by the School in association with the Student Learning Development Centre. The test will be held during the first session of a student's enrolment at the University. It is a requirement of the BE degree that the student perform satisfactorily in at least one such test prior to enrolment in ECTE457 Thesis. Students who are deemed to require tuition in literacy in order to complete this requirement will be advised accordingly and will be required to repeat the literacy test the following year. Enrolment in and attendance at literacy courses will be the individual responsibility of the students concerned.

As indicated in the individual subject pre-requisites, students are required to complete satisfactorily the recommended first year before beginning the recommended third year and to complete satisfactorily the recommended second year before beginning the recommended fifth year. With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering, these requirements may be waived.

It is a requirement of the BE,BA that all students enrolled maintain a weighted average mark of 67.5% or better throughout the course or they will be transferred to the BE Course.

Professional Experience

All BE,BSc students must accumulate at least 12 weeks of approved professional experience, documented in the form of employment reports and preferably in the period between Years 4 and 5.

Honours

The degree of Bachelor of Engineering (Honours) is awarded for meritorious performance over the course and particularly in the final year thesis subject. The classes of honours awarded are defined in the Course Rules.

Please refer to the Bachelor of Arts entry for detail regarding the Bachelor of Arts (Honours).

Professional Recognition

The Bachelor of Engineering (Computer Engineering) degree is accredited by Engineers Australia, the Australian Computer Society and the Singapore Professional Engineers Board.

The Bachelor of Engineering (Electrical Engineering) degree is accredited by Engineers Australia and the Singapore Professional Engineers Board.

The Bachelor of Engineering (Telecommunications Engineering) degree is accredited by Engineers Australia.

Other Information

With the approval of the Head of the School of Electrical, Computer and Telecommunications Engineering and the Sub-Dean of the Faculty of Arts, students who have completed the recommended first year program of the Bachelor of Engineering (Computer Engineering or Electrical Engineering or Telecommunications Engineering) course and who have gained a weighted average mark of 67.5% or better may transfer to the BE,BA.

Further information is available from http://www.informatics.uow.edu.au/ or contact the School of Electrical, Computer and Telecommunications Engineering on +61 2 4221 3065.

Bachelor of Engineering (Computer Engineering) – Bachelor of Science

To qualify for award of the degrees of Bachelor of Engineering (Computer Engineering) and Bachelor of Science a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed for the Bachelor of Engineering (Computer Engineering), (replacing MATH283 Mathematics 2E for Engineers Part 1 with MATH201 Multivariate and Vector Calculus and MATH202 Differential Equations 2 and replacing the Computer Option with an Informatics Option) and having a value of 198 credit points;

(b) Requirements for the Bachelor of Science or the Bachelor of Science (Physics).

To qualify for the award of the degree of Bachelor of Science or Bachelor of Science (Physics) only, a candidate must satisfy requirements stipulated in Course Rule 110.

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
MATH202	Differential Equations 2	Spring	6
Plus	Choice of 100/200-level Science Subjects	Autumn/ Spring	12
Year 3			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Choice of 200/300-level Science Subjects	Autumn/ Spring	24
Year 4			
ECTE313	Electronics	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6

ECTE363	Communication Theory	Autumn	6
CSCI205	Development Methods and Tools	Spring	6
ECTE301	Digital Signal Processing 1	Spring	6
Plus	Choice of 300-level Science Subjects	Autumn/ Spring	24

Year 5

CSCI311	Software Process Management	Autumn	6
ECTE431	Real-time Computing	Autumn	3
ECTE432	Computer Systems	Autumn	3
ECTE457	Thesis	Annual	18
Plus	2 Final Year Specialisation Subjects	Autumn	6
	4 Final Year Specialisation Subjects	Spring	12
	Informatics Option	Autumn/ Spring	6

Informatics Option

Year 5:
With the approval of the Head of School, students may select:

(a) one six credit point, 200 or 300 or 400-level subject from those listed in the General Schedule and offered by EITHER

(i) the School of Information Technology and Computer Science (CSCI, IACT or ITCS); or

(ii) the School of Mathematics and Applied Statistics (MATH or STAT).

OR

(b) ECTE281 Embedded Internet Systems.

Note that this selection may be constrained by pre- and co-requisites and timetabling.

Bachelor of Engineering (Electrical Engineering) – Bachelor of Science

To qualify for award of the degrees of Bachelor of Engineering (Electrical Engineering)-Bachelor of Science a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

a) all subjects prescribed for the Bachelor of Engineering (Electrical Engineering), (replacing MATH283 Mathematics 2E for Engineers Part 1 with MATH201 Multivariate and Vector Calculus and MATH202 Differential Equations 2 and replacing the Electrical Option with an Informatics Option) and having a value of 198 credit points;

b) Requirements for the Bachelor of Science or the Bachelor of Science (Physics).

To qualify for the award of the degree of Bachelor of Science and Bachelor of Science (Physics) only, a candidate must satisfy requirements stipulated in Course Rule 110.

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
MATH202	Differential Equations 2	Spring	6
Plus	Choice of 100/200-level Science Subjects	Autumn/ Spring	12
Year 3			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
STAT231	Probability and Random Variables	Autumn	6
Plus	Choice of 200/300-level Science Subjects	Autumn/ Spring	24
Year 4			
ECTE313	Electronics	Annual	6
ECTE350	Engineering Design and Management 3	Annual	6

ECTE323	Power Engineering 2	Autumn	6
ECTE363	Communication Theory	Autumn	6
ECTE301	Digital Signal Processing 1	Spring	6
Plus	Choice of 300-level Science Subjects	Autumn/ Spring	24

Year 5

ECTE457	Thesis	Annual	18
Plus	6 Final Year Specialisation Subjects	Autumn	18
	4 Final Year Specialisation Subjects	Spring	12
	Informatics Option	Autumn/ Spring	6

Informatics Option

Year 5:

With the approval of the Head of School, students may select:

(a) one six credit point, 200 or 300 or 400-level subject from those listed in the General Schedule and offered by EITHER:

(i) the School of Information Technology and Computer Science (CSCI, IACT or ITCS); or

(ii) the School of Mathematics and Applied Statistics (MATH or STAT).

OR

(b) ECTE281 Embedded Internet Systems.

Note that this selection may be constrained by pre- and co-requisites and timetabling

Bachelor of Engineering (Telecommunications Engineering) – Bachelor of Science

To qualify for award of the degrees of Bachelor of Engineering (Telecommunications Engineering)-Bachelor of Science a candidate must complete satisfactorily and independently each of (a) and (b) as follows:

(a) all subjects prescribed by the Bachelor of Engineering (Telecommunications Engineering), (replacing MATH283 Mathematics 2E for Engineers Part 1 with MATH201 Multivariate and Vector Calculus and MATH202 Differential Equations 2 and replacing the Telecommunications Option with an Informatics Option) and having a value of 198 credit points;

(b) Requirements for the Bachelor of Science or Bachelor of Science (Physics).

To qualify for the award of the degree of Bachelor of Science only, a candidate must satisfy requirements stipulated in Course Rule 110.

Recommended Full-Time Program

Subjects		Session	Credit Points
Year 1			
CSCI114	Procedural Programming	Autumn/ Spring	6
ECTE150	Engineering Design and Management 1	Autumn	6
MATH187	Mathematics 1A Part 1	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
CSCI121	Computer Science 1B	Spring	6
ECTE101	Electrical Engineering 1	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
Year 2			
CSCI204	The C Family and Unix	Autumn/ Spring	6
or			
CSCI213	Java Programming and the Internet	Autumn/ Spring	6
Plus			
ECTE202	Circuits and Systems	Annual	6
ECTE233	Digital Hardware 1	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
ECTE212	Electronics and Communications	Spring	6
ECTE222	Power Engineering 1	Spring	6
MATH202	Differential Equations 2	Spring	6
Plus	Choice of 100/200-level Science Subjects	Autumn/ Spring	12
Year 3			
ECTE250	Engineering Design and Management 2	Annual	6
ECTE344	Control Theory	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
ECTE333	Digital Hardware 2	Spring	6
ENGG291	Engineering Fundamentals	Spring	6
Plus	Choice of 200/300-level Science Subjects	Autumn/ Spring	24
Year 4			
ECTE301	Digital Signal Processing 1	Spring	6
ECTE313	Electronics	Annual	6

ECTE350	Engineering Design and Management 3	Annual	6
ECTE363	Communication Theory	Autumn	6
ECTE364	Telecommunication Networks 1	Autumn	6
ECTE381	Internet Engineering 1	Autumn	6
Plus	Choice of 300-level Science Subjects	Autumn/ Spring	18
Year 5			
ECTE457	Thesis	Annual	18
ECTE461	Telecommunications Queuing Theory	Autumn	3
ECTE462	Telecommunications System Modelling	Autumn	3
Plus	2 Final Year Specialisation Subjects	Autumn	6
	4 Final Year Specialisation Subjects	Spring	12
	Informatics Option	Autumn/ Spring	6
	Choice of 300-level Science Subjects	Autumn/ Spring	6

Informatics Option

Year 5:

With the approval of the Head of School, students may select:

(a) one six credit point, 200 or 300 or 400-level subject from those listed in the General Schedule and offered by EITHER:
  (i) the School of Information Technology and Computer Science (CSCI, IACT or ITCS); or
  (ii) the School of Mathematics and Applied Statistics (MATH or STAT)

OR

(b) ECTE281 Embedded Internet Systems.

Note that this selection may be constrained by pre- and co-requisites and timetabling.

Bachelor of Engineering (Civil, Environmental, Materials, Mechanical, Mechatronics, Mining) – Bachelor of Computer Science

Refer to the Faculty of Engineering section for details of this double degree program.

Bachelor of Engineering (Civil, Environmental, Materials, Mechanical, Mechatronics, Mining) – Bachelor of Mathematics

Refer to the Faculty of Engineering section for details of this double degree program.

Bachelor of Information and Communication Technology – Bachelor of Laws

Refer to the Faculty of Law section for details of this double degree program.

Bachelor of Mathematics - Bachelor of Computer Science

Testamur Title of Degree:	Bachelor of Mathematics (name of major) Bachelor of Computer Science (name of major)
Abbreviation:	BMath, BCompSc
Home Faculty:	Informatics
Duration:	4 years or part-time equivalent
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); International $8,900 per session
Location:	Wollongong
UOW Course Code:	769
UAC Code:	751701
CRICOS Code:	016108A

Overview

Please refer to the entries for the Bachelor of Mathematics and the Bachelor of Computer Science.

Entry Requirements / Assumed Knowledge

Please refer to the entry requirements/assumed knowledge for the Bachelor of Mathematics and the Bachelor of Computer Science.

Advanced Standing

Information about Approved Credit Transfer Arrangements with domestic providers is available at:
http://www.uow.edu.au/handbook/advancedstanding/

Information about Approved Credit Transfer Arrangements with international providers is available at:
http://www.uow.edu.au/discover/international/COURSES/courseset.html#advanced

Course Requirements

To qualify for the award of the double degree of Bachelor of Mathematics - Bachelor of Computer Science, a candidate must satisfactorily complete at least 216 credit points from the Computer Science Schedule, the Mathematics Schedule and the General Schedule, and, in so doing, satisfy the requirements of Course Rules 108 and 107 for the Bachelor of Mathematics and the Bachelor of Computer Science, respectively.

Minimum Performance Requirement

Candidates must maintain a weighted average mark (WAM) of at least 65 at the end of each year, otherwise they must show cause as to why they should be permitted to remain registered for the two courses.

Candidates who, at the end of any year of registration, have satisfied the minimum rate of progress requirements under General Course Rule 8.8, but who do not have a WAM of at least 65 and who have not given adequate reason as to why they should be permitted to continue with registration for the joint course, will be required to transfer into either a Bachelor of Mathematics or a Bachelor of Computer Science.

Course Program

The following program of study is recommended to satisfy the requirements in minimum time.

Subjects		Session	Credit Points
Year 1			
CSCI103	Algorithms and Problem Solving	Autumn	6
CSCI114	Procedural Programming	Autumn	6
CSCI124	Object Programming	Spring	6
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variations and Uncertainty	Autumn/ Spring	6
Year 2			
CSCI102	Systems	Autumn	6
CSCI203	Algorithms and Data Structures	Autumn	6
CSCI204	The C Family and Unix	Spring	6
CSCI212	Interacting Systems	Autumn	6
IACT201#	Information Technology and Citizens' Rights	Autumn	6
MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Autumn	6
Plus any two of			
MATH212	Applied Mathematical Modelling 2	Spring	6
MATH222	Continuous and Finite Mathematics	Autumn	6
STAT231	Probability and Random Variables	Autumn	6
STAT232	Estimation and Hypothesis Testing	Spring	6
Plus any 6 credit point 200-level CSCI subject			6

May be taken in year 3, in lieu of 6 credit points of 200- or 300-level subjects, and replaced in year 2 by 6 credit points of 100- or 200-level subjects.

Year 3			
MATH203	Linear Algebra	Autumn	6
MATH204	Complex Variables and Group Theory	Spring	6
CSCI222	Systems Development	N/A in 2004	6
Plus any 12 credit points of 300-level Mathematics subjects,			
Plus any 6 credit points 200-level Computer Science subjects,			
Plus any 12 credit points 300-level Computer Science subjects,			
Plus any 12 credit point of 200- or 300-level General Schedule subjects.			
Year 4			
CSCI321	Project	Annual	12
Plus 24 credit points of 300-level Mathematics subjects.			
Plus 12 credit points of 300 level Computer Science subjects.			

Major Study Areas

Please refer to the entries for the Bachelor of Mathematics and the Bachelor of Computer Science.

Honours

Candidates may apply to register for either, or consecutively, both the Bachelor of Mathematics (Honours) or the Bachelor of Computer Science (Honours) after the satisfactory completion of the double degree program.

Professional Recognition

The Bachelor of Computer Science has recently been revised, therefore re-accreditation by the Australian Computer Society as meeting requirements for membership at a “Professional level” is currently being sought.

Bachelor of Mathematics – Bachelor of Laws

Refer to the Faculty of Law section for details of this double degree program.

Bachelor of Science - Bachelor of Mathematics

Refer to the Faculties of Science and Engineering sections for details of this double degree program.

Faculty of Law

Degrees Offered

Single Degrees

Bachelor of Laws - 3 year course

Bachelor of Laws - 4 year course

Double Degrees

Bachelor of Arts - Bachelor of Laws

Bachelor of Commerce - Bachelor of Laws

Bachelor of Communication and Media Studies - Bachelor of Laws

Bachelor of Computer Science - Bachelor of Laws

Bachelor of Creative Arts - Bachelor of Laws

Bachelor of Engineering - Bachelor of Laws

Bachelor of Information and Communication Technology - Bachelor of Laws

Bachelor of Mathematics - Bachelor of Laws

Bachelor of Medical Science - Bachelor of Laws

Bachelor of Science - Bachelor of Laws

Bachelor of Laws – 3 year course

Testamur Title of Degree:	Bachelor of Laws
Abbreviation:	LLB
Home Faculty:	Faculty of Law
Duration:	3 years full-time or part-time equivalent
Total Credit Points:	152
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8250 per session AUD (international)
Location:	Wollongong
UOW Course Code:	770
UAC Code:	756101
CRICOS Code:	004339G

Overview

This degree program is available only to graduates of other disciplines and consists entirely of Law subjects with a narrower range of elective options. The Faculty aims to provide a legal education which: equips students with a critical and questioning attitude; offers a broad perspective; and provides the foundation for a career in an extensive range of legal work.

Entry Requirements / Assumed Knowledge

To be eligible to apply for the LLB (3 year course), applicants must hold a Bachelor's degree from an approved university. Applications for the LLB (3 year course) will be assessed on academic performance.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degree of Bachelor of Laws a candidate who is enrolled in the LLB (3 year course) must complete, satisfactorily and independently, each of (a) and (b) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 32 credit points from the LLB Schedule.

To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314 from the list of electives.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB308	Public Law A	Autumn	8
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
LLB309	Public Law B	Spring	8
LLB311	Lawyers and Australian Society	Spring	8
Second Year			
LLB305	Property and Trusts A	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB392	Communication Skills	Autumn*	2
1 LLB Elective		Autumn	8
LLB306	Property and Trusts B	Spring	8
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2
2 LLB Electives		Spring	16
Third Year			
LLB300	Remedies and Procedure	Autumn	8
LLB302	Law of Business Organisations	Autumn	8
LLB393	Drafting Skills	Autumn*	2
1 LLB Elective		Autumn	8
LLB301	Evidence	Spring	8
LLB312	Legal Theory	Spring	8

* Also available in Spring

Electives

Students must successfully complete elective subjects to the value of **32 credit points** from the LLB Schedule.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

Subject		Session	Credit Points
LLB303	Family, Children and Welfare	Autumn	8
LLB313	Legal Research Project A	Autumn / Spring	8
LLB314	Legal Research Project B	Annual	16
LLB316	Occupational Health and Safety Law	Autumn	8
LLB317	E-Commerce Law	*	8
LLB320	Commercial and Consumer Contracts	Autumn	8
LLB321	Finance and Security	Spring	8
LLB330	Law of Employment	Autumn	8
LLB331	Intellectual Property Law	*	8
LLB332	Labour Relations Law	Spring	8
LLB334	Environmental Law	Spring	8
LLB335	Anti-Discrimination Law	Spring	8
LLB337	Comparative Studies in Law	Spring	8
LLB339	Advanced Criminal Law and Procedure	*	8
LLB341	Revenue Law	*	8
LLB343	International Law	Autumn	8
LLB344	Indigenous Peoples and Legal Systems	*	8
LLB348	Media Law	Spring	8
LLB350	Special Study in Law A	Autumn / Spring	8
LLB351	Special Study in Law B	Autumn / Spring	8
LLB354	Human Rights Law	Spring	8
LLB355	Bankruptcy and Corporate Insolvency Law and Practice	Summer	8
LLB356	Insurance Law	Summer	8
LLB360	Foreign Investment Law in the People's Republic of China	Autumn	8
LLB362	Advanced Revenue Law	*	8
LLB3911	Introduction to Natural Resources Law	*	8
LLB3918	Law of Land and Nature Conservation	*	8
LLB3919	Water Resources Law	*	8
LLB3920	Local Government Law and the Neighbourhood Environment	*	8
LLB3922	International Maritime Environmental Law	*	8
LLB3923	The Law of the Sea	*	8
LLB3924	International Environmental Law	*	8
LLB3927	Natural Resources Law Review	Autumn / Spring	8
LLB3928	Special Studies in Natural Resources Law I	*	8
LLB3929	Special Studies in Natural Resources Law II	*	8
LLB396	Advanced Legal Skills	Autumn	8
SOC222	Sociology of Crime and Justice	*	8
SOC244	Punishment: Purpose, Practice, Policy	Spring	8
SOC349	Social Regulation: Policies & Issues	Autumn	8

**Not available in 2004*

Honours

To be eligible for the award of Bachelor of Laws (Honours), students MUST:

(i) complete either LLB313 Legal Research Project A (8 credit points) or LLB314 Legal Research Project B (16 credit points) from the LLB Schedule; and

(ii) obtain a weighted average mark within the specified ranges.

For further information on honours, refer to the Code of Practice - Honours.

Professional Recognition

On completion of the LLB degree, a student who wishes to practise as a barrister or solicitor must undertake some form of professional practical training, the requirements for which vary between each state and territory of Australia.

In NSW, a student who intends to qualify for admission to practice as a legal practitioner is required to undertake a practical legal training course accredited by the Legal Practitioners' Admission Board, followed by or incorporating a period of practical experience in a law-related setting. The Faculty of Law has established a Legal Practice Unit and its Practical Legal Training Course has been accredited by the Legal Practitioners' Admissions Board. The course has its foundations in the Wollongong LLB. The course is offered over 20 weeks in a flexible mode integrating training with professional experience.

In some instances the course is also available to final year law students, so that they are qualified for admission to practice as soon as they finish their LLB degree.

Other Information

Students who intend to practise as solicitors after admission should obtain further information about restricted practice and the mandatory continuing legal education requirements from the Law Society of NSW. Students who intend to practice as barristers after admission will be required to read with a senior barrister for a period of time and to undertake the Bar Readers' Course before being qualified to take briefs on their own account. Further information is available from the NSW Bar Association.

Bachelor of Laws – 4 year course

Testamur Title of Degree:	Bachelor of Laws
Abbreviation:	LLB
Home Faculty:	Faculty of Law
Duration:	4 years full-time or part-time equivalent
Total Credit Points:	184
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8250 per session AUD (international)
Location:	Wollongong
UOW Course Code:	777
UAC Code:	756102
CRICOS Code:	006990G

Overview

This degree program consists entirely of Law subjects with a broader range of elective options. The Faculty aims to provide a legal education which: equips students with a critical and questioning attitude; offers a broad perspective; and provides the foundation for a career in an extensive range of legal work.

Entry Requirements / Assumed Knowledge

To be eligible to apply for the LLB (4 year course), applicants must be at least 25 years of age on 31 January 2004 and have not undertaken any study at University. Applicants must sit the Special Tertiary Admissions Test (STAT). Refer to the UAC Guide for information on how to register for the STAT. Selected applicants will then be invited to sit the Australian Law Schools Entry Test (ALSET). For enquiries about the ALSET, call (02) 4221 3924.

Advanced Standing

Not applicable.

Course Requirements

To qualify for the award of the degree of Bachelor of Laws a candidate who is enrolled in the LLB (4-year course) must complete, satisfactorily and independently, each of (a) and (b) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 64 credit points from the LLB Schedule.

To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314 from the list of electives.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
LLB311	Lawyers and Australian Society	Spring	8
Second Year			
LLB305	Property and Trusts A	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB308	Public Law A	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB306	Property and Trusts B	Spring	8
LLB309	Public Law B	Spring	8
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2

1 LLB Elective	Spring	8

Third Year

LLB300 Remedies and Procedure	Autumn	8
LLB302 Law of Business Organisations	Autumn	8
LLB393 Drafting Skills	Autumn*	2
1 LLB Elective	Autumn	8
LLB301 Evidence	Spring	8
2 LLB Electives	Spring	16

Fourth Year

3 LLB Electives	Autumn	24
LLB312 Legal Theory	Spring	8
1 LLB Elective	Spring	8

* Also available in Spring

Electives

Students must successfully complete elective subjects to the value of **64 credit points** from the LLB Schedule.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course.

Honours

See Bachelor of Laws – 3 year course.

Bachelor of Arts / Bachelor of Laws

Testamur Title of Degree:	Bachelor of Arts/ Bachelor of Laws *(a separate testamur is awarded for each degree)*
Abbreviation:	BA/LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	266*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8250 per session AUD (international)
Location:	Wollongong
UOW Course Code:	771
UAC Code:	751201
CRICOS Code:	004340C

** This is a minimum figure and may vary depending on major.*

Overview

Students commencing University study directly from school must enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The BA/LLB degree offers a range of choices to those interested in humanities and social sciences, and includes modern languages.

For the first three years of the double degree, students enrol substantially in subjects offered by the Faculty of Arts combined with a small number of Law subjects. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

Assumed knowledge: Any two units of English.
Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degrees of Bachelor of Arts / Bachelor of Laws a candidate must complete, satisfactorily and independently, each of (a), (b) and (c) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 56 credit points from the LLB Schedule. The subjects SOC222, SOC244 or SOC349 may be completed as electives for the LLB. However, they MAY NOT be counted towards the BA component of the double degree if they are being used as electives in Law. To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
c) subjects to the value of at least 90 credit points (not having the prefix LAW), from the course structures of the Bachelor of Arts, the General Schedule or the course Structures of the Faculty of Health and Behavioural Sciences. The 90 credit points must include one major study taught by a member unit of the Faculty of Arts (including Aboriginal Studies) OR a major study in Psychology or Population Health.

Note: No more than 48 credit points shall be for 100-level subjects.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Subjects from Arts or Health and Behavioural Sciences schedule		Autumn and Spring	36
PLUS			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
Second Year			
Subjects from Arts or Health and Behavioural Sciences schedule		Autumn and Spring	30
PLUS			
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB308	Public Law A	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB309	Public Law B	Spring	8
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2
Third Year			
Subjects from Arts or Health and Behavioural Sciences schedule		Autumn and Spring	24
PLUS			
LLB305	Property and Trusts A	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB311	Lawyers and Australian Society	Autumn*	8
LLB306	Property and Trusts B	Spring	8
Fourth Year			
LLB300	Remedies and Procedure	Autumn	8
LLB302	Law of Business Organisations	Autumn	8
LLB393	Drafting Skills	Autumn*	2
LLB301	Evidence	Spring	8
2 LLB Electives		Spring	16
Fifth Year			
3 LLB Electives		Autumn	24
LLB312	Legal Theory	Spring	8
2 LLB Electives		Spring	16

* Available Autumn and Spring

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Arts or Health and Behavioural Sciences Schedule for majors available in the Bachelor of Arts course.

Electives

Students must successfully complete elective subjects to the value of **56 credit points** from the LLB Schedule. The subjects SOC222, SOC244 or SOC349 may be completed as electives for the LLB course. However, they may not be counted towards the BA component of the double degree if they are being used as electives in Law.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course.

Honours

See Bachelor of Laws – 3 year course.

To be eligible for the award of Honours in ARTS, candidates must undertake a separate one-year (full-time, or part-time equivalent) degree and must make a separate degree application.

Bachelor of Communication and Media Studies / Bachelor of Laws

Testamur Title of Degree:	Bachelor of Communication and Media Studies / Bachelor of Laws *(a separate testamur is awarded for each degree)*
Abbreviation:	BCM/LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	264*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8250 per session AUD (international)
Location:	Wollongong
UOW Course Code:	760
UAC Code:	751210
CRICOS Code:	tba

** This is a minimum figure and may vary depending on major.*

Overview

Students commencing University study directly from school must enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The BCM/LLB degree will provide those students interested in media law with an overview of the industry, its practices and policies. It also provides a solid foundation for students interested in politics or government.

For the first three years of the double degree, students enrol substantially in subjects offered by the Faculty of Arts combined with a small number of Law subjects. In the final two years of the degree, students focus on Law subjects.

Entry Requirements / Assumed Knowledge

Assumed knowledge: Any two units of English.
Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degrees of Bachelor of Communication and Media Studies / Bachelor of Laws a candidate must complete, satisfactorily and independently, each of (a), (b) and (c) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 56 credit points from the LLB Schedule. To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
c) complete all compulsory (core) subjects in the Bachelor of Communication and Media Studies and
   i) the required subjects of one of the major studies in that degree;
   ii) no more than 48 credit points shall be for 100-level subjects; and
   iii) where necessary, undertake elective subjects not having the prefix LAW from the Course Structures of the Bachelor of Laws, the Bachelor of Communication and Media Studies or the General Schedule to ensure that at least 264 credit points have been completed.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Subjects from BCM Schedule		Autumn and Spring	36
PLUS			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
Second Year			
Subjects from BCM Schedule		Autumn and Spring	30
PLUS			
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB308	Public Law A	Autumn	8
LLB309	Public Law B	Spring	8
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2
Third Year			
Subjects from BCM Schedule		Autumn and Spring	22
PLUS			
LLB305	Property and Trusts A	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB311	Lawyers and Australian Society	Autumn*	8
LLB306	Property and Trusts B	Spring	8
Fourth Year			
LLB300	Remedies and Procedure	Autumn	8
LLB302	Law of Business Organisations	Autumn	8
LLB393	Drafting Skills	Autumn*	2
LLB301	Evidence	Spring	8
2 Electives		Spring	16
Fifth Year			
3 Electives		Autumn	24
LLB312	Legal Theory	Spring	8
2 Electives		Spring	16

* Available Autumn and Spring

NOTE: The structure of the course program for Bachelor of Communication and Media Studies (Journalism Major) may vary slightly – refer to the Faculty of Arts.

Majors

Majors are NOT available in the Bachelor of Laws course. Students should refer to the Faculty of Arts for majors available in the BCM course.

Electives

Students must successfully complete elective subjects to the value of **56 credit points** from the LLB Schedule.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course.

Honours

See Bachelor of Laws – 3 year course.

Bachelor of Commerce / Bachelor of Laws

Testamur Title of Degree:	Bachelor of Commerce/ Bachelor of Laws *(a separate testamur is awarded for each degree)*
Abbreviation:	BCom/LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	266*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8250 per session AUD (international)
Location:	Wollongong
UOW Course Code:	773
UAC Code:	751202
CRICOS Code:	003683K

** This is a minimum figure and may vary depending on major.*

Overview

Students commencing University study directly from school must enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The BCom/LLB degree provides opportunities for students to combine their interest in law with business or commerce.

For the first three years of the double degree, students enrol substantially in subjects offered by the Faculty of Commerce combined with a small number of Law subjects. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

Assumed knowledge: Any two units of English.
Recommended Studies: English Advanced.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degrees of Bachelor of Commerce / Bachelor of Laws a candidate must complete, satisfactorily and independently, each of (a), (b) and (c) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 56 credit points from the LLB Schedule. To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
c) subjects selected from the General Schedule, including the satisfactory completion of:
   i) compulsory subjects required for the Bachelor of Commerce;
   ii) an approved Commerce major except for a Business Law major; and
   iii) subjects with a value of at least 90 credit points, consisting of (i) and (ii) and excluding subjects listed in (a) and (b), except,
   iv) where the subjects in (i) and (ii) have the prefix LAW, the equivalent LLB subjects must be substituted.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Subjects from Commerce Schedule		Autumn/Spring	36
PLUS			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
Second Year			
Subjects from Commerce Schedule		Autumn/ Spring	30
PLUS			
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB308	Public Law A	Autumn	8
LLB309	Public Law B	Spring	8

LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2

Third Year

Subjects from Commerce Schedule		Autumn/ Spring	24
PLUS			
LLB305	Property and Trusts A	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB311	Lawyers and Australian Society	Autumn*	8
LLB306	Property and Trusts B	Spring	8

Fourth Year

LLB300	Remedies and Procedure	Autumn	8
LLB302	Law of Business Organisations	Autumn	8
LLB393	Drafting Skills	Autumn*	2
LLB301	Evidence	Spring	8
2 LLB Electives		Spring	16

Fifth Year

3 LLB Electives		Autumn	24
LLB312	Legal Theory	Spring	8
2 LLB Electives		Spring	16

* Available Autumn and Spring

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Commerce Schedule for majors available in the Bachelor of Commerce course.

Electives

Students must successfully complete elective subjects to the value of **56 credit points** from the LLB Schedule.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course.

Honours

See Bachelor of Laws – 3 year course.

Bachelor of Science / Bachelor of Laws

Testamur Title of Degree:	Bachelor of Science/ Bachelor of Laws *(a separate testamur is awarded for each degree)*
Abbreviation:	BSc/LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	266*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8900** per session AUD (international)
Location:	Wollongong
UOW Course Code:	775
UAC Code:	751207
CRICOS Code:	006872C (Science) or 029274B (HBS)

** This is a minimum figure and may vary depending on major.*

*** $8250 for Health and Behavioural Sciences*

Overview

Students commencing University study directly from school must enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The BSc/LLB degree provides opportunities for students to combine their knowledge of law with scientific disciplines in addressing issues such as environmental planning, or those arising from the introduction of new technology.

For the first three years of the double degree, students enrol substantially in subjects offered by the other faculty combined with a small number of Law subjects. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

For the Bachelor of Laws:
Assumed knowledge: Any two units of English.
Recommended Studies: English Advanced.

For the Bachelor of Science: refer to relevant faculty for entry requirements.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degrees of Bachelor of Science / Bachelor of Laws a candidate must complete, satisfactorily and independently, each of (a), (b) and (c) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 56 credit points from the LLB Schedule. To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
c) subjects having a value of at least 90 credit points including a major study which shall:
   i) be selected from either the Science Schedule, or the Health and Behavioural Sciences Schedule; and
   ii) include no more than 48 credit points for 100-level subjects
   or a prescribed Environmental Science program of study having a value of 92 credit points

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Subjects from Science or Health & Behavioural Sciences Schedule		Autumn and Spring	36
PLUS			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
Second Year			
Subjects from Science or Health & Behavioural Sciences Schedule		Autumn and Spring	30
PLUS			
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB308	Public Law A	Autumn	8
LLB309	Public Law B	Spring	8
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2
Third Year			
Subjects from Science or Health & Behavioural Sciences Schedule		Autumn and Spring	24
PLUS			
LLB305	Property and Trusts A	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB311	Lawyers and Australian Society	Autumn*	8
LLB306	Property and Trusts B	Spring	8
Fourth Year			
LLB300	Remedies and Procedure	Autumn	8
LLB302	Law of Business Organisations	Autumn	8
LLB393	Drafting Skills	Autumn*	2
LLB301	Evidence	Spring	8
2 LLB Electives		Spring	16
Fifth Year			
3 LLB Electives		Autumn	24
LLB312	Legal Theory	Spring	8
2 LLB Electives		Spring	16

* Available Autumn and Spring

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Science or Health and Behavioural Sciences Schedule for majors.

Electives

Students must successfully complete elective subjects in the LLB Schedule having a value of **56 credit points**.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course.

Honours

See Bachelor of Laws – 3 year course.

Bachelor of Medical Science / Bachelor of Laws

Testamur Title of Degree:	Bachelor of Medical Science Bachelor of Laws *(a separate testamur is awarded for each degree)*
Abbreviation:	BMedSc/LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	266*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8250 per session AUD (international)
Location:	Wollongong
UOW Course Code:	775M
UAC Code:	751209
CRICOS Code:	036542F

* *This is a minimum figure and may vary depending on major.*

Overview

Students commencing University study directly from school must enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The BMedSc/LLB degree provides opportunities for students with an interest in the application of the law to medical contexts, including medical ethics and bioethics.

For the first three years of the double degree, students enrol substantially in subjects offered by the other faculty combined with a small number of Law subjects. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

For the Bachelor of Laws:
Assumed knowledge: Any two units of English.
Recommended Studies: English Advanced.

For the Bachelor of Medical Science: refer to Faculty of Health and Behavioural Sciences for entry requirements.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degrees of Bachelor of Medical Science / Bachelor of Laws a candidate must complete, satisfactorily and independently, each of (a), (b) and (c) as follows:

(a) all compulsory Law subjects;
(b) elective subjects to the value of 56 credit points from the LLB Schedule. To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
(c) general elective subjects having a value of at least 90 credit points forming a Medical Science major study which must:
    (i) be selected from the Health and Behavioural Sciences Schedule of Subjects;

(ii) include no more than 48 credit points for 100-level subjects; and
(iii) include at least 24 credit points for 300-level subjects.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Subjects from Health & Behavioural Sciences Schedule		Autumn and Spring	36
PLUS			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
Second Year			
Subjects from Health & Behavioural Sciences Schedule		Autumn and Spring	30
PLUS			
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB308	Public Law A	Autumn	8
LLB309	Public Law B	Spring	8
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2
Third Year			
Subjects from Health & Behavioural Sciences Schedule		Autumn and Spring	24
PLUS			
LLB305	Property and Trusts A	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB311	Lawyers and Australian Society	Autumn*	8
LLB306	Property and Trusts B	Spring	8
Fourth Year			
LLB300	Remedies and Procedure	Autumn	8
LLB302	Law of Business Organisations	Autumn	8
LLB393	Drafting Skills	Autumn*	2
LLB301	Evidence	Spring	8
2 LLB Electives		Spring	16
Fifth Year			
3 LLB Electives		Autumn	24
LLB312	Legal Theory	Spring	8
2 LLB Electives		Spring	16

* Available Autumn and Spring

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Health and Behavioural Sciences Schedule for majors.

Electives

Students must successfully complete elective subjects to the value of **56 credit points** from the LLB Schedule.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course.

Honours

See Bachelor of Laws – 3 year course.

Bachelor of Creative Arts / Bachelor of Laws

Testamur Title of Degree:	Bachelor of Creative Arts/ Bachelor of Laws *(a separate testamur is awarded for each degree)*
Abbreviation:	BCA/LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	276*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8250 per session AUD (international)
Location:	Wollongong
UOW Course Code:	772
UAC Code:	751204
CRICOS Code:	005068F

* *This is a minimum figure and may vary depending on major.*

Overview

Students commencing University study directly from school must enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The BCA/LLB degree allows students to combine studies in the creative arts, such as creative writing, graphic design, sound, composition, performance or visual arts with studies in law. Many lawyers find that a knowledge of the arts and media is extremely useful in their practice.

For the first three years of the double degree, students enrol substantially in subjects offered by the Faculty of Creative Arts combined with a small number of Law subjects. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

Assumed knowledge: Any two units of English.
Recommended Studies: English Advanced.

Additional selection criteria applies for the Bachelor of Creative Arts. In addition to applying to UAC, students must submit an interview/audition application form to the Faculty of Creative Arts. For further information refer to the UAC Guide.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degrees of Bachelor of Creative Arts / Bachelor of Laws a candidate must complete, satisfactorily and independently, each of (a), (b) and (c) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 48 credit points from the LLB Schedule. To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
c) a major study (comprising 108 credit points) as approved by Creative Arts.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Subjects from Creative Arts schedule		Autumn and Spring	36
PLUS			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
Second Year			
Subjects from Creative Arts schedule		Autumn and Spring	36
PLUS			
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2

Third Year

Subjects from Creative Arts schedule		Autumn and Spring	36
PLUS			
LLB305	Property and Trusts A	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB306	Property and Trusts B	Spring	8

Fourth Year

LLB300	Remedies and Procedure	Autumn	8
LLB302	Law of Business Organisations	Autumn	8
LLB308	Public Law A	Autumn	8
LLB311	Lawyers and Australian Society	Autumn*	8
LLB393	Drafting Skills	Autumn*	2
LLB301	Evidence	Spring	8
LLB309	Public Law B	Spring	8
1 LLB Elective		Spring	8

Fifth Year

3 LLB Electives		Autumn	24
LLB312	Legal Theory	Spring	8
2 LLB Electives			16

* Available Autumn and Spring

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Creative Arts schedule for majors available in the Bachelor of Creative Arts degree.

Electives

Students must successfully complete elective subjects to the value of **48 credit points** from the LLB Schedule.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course.

Honours

See Bachelor of Laws – 3 year course.

Bachelor of Mathematics / Bachelor of Laws

Testamur Title of Degree:	Bachelor of Mathematics/ Bachelor of Laws *(a separate testamur is awarded for each degree)*
Abbreviation:	BMath/LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	276*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8250 per session AUD (international)
Location:	Wollongong
UOW Course Code:	774
UAC Code:	751206
CRICOS Code:	005069E

* *This is a minimum figure and may vary depending on major.*

Overview

Students commencing University study directly from school must enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The BMath/LLB offers opportunities for students with and aptitude for, and an interest in, mathematics.

For the first three years of the double degree, students enrol substantially in subjects offered by the Faculty of Informatics combined with a small number of Law subjects. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

For the Faculty of Law:
Assumed knowledge: Any two units of English.
Recommended Studies: English Advanced.

For the Bachelor of Mathematics, refer to Faculty of Informatics.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degrees of Bachelor of Mathematics / Bachelor of Laws a candidate must complete, satisfactorily and independently, each of (a), (b), (c) and (d) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 48 credit points from the LLB Schedule. To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
c) subjects selected from either or both of the Mathematics Schedule or the General Schedule having a value of at least 108 credit points, including a major study in Mathematics;
d) satisfy the requirements prescribed for the Bachelor of Mathematics degree.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Subjects from Mathematics Schedule		Autumn and Spring	36
PLUS			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
Second Year			
Subjects from Mathematics Schedule		Autumn and Spring	36
PLUS			
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2
Third Year			
Subjects from Mathematics Schedule		Autumn and Spring	36
PLUS			
LLB305	Property and Trusts A	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB306	Property and Trusts B	Spring	8
Fourth Year			
LLB300	Remedies and Procedure	Autumn	8
LLB302	Law of Business Organisations	Autumn	8
LLB308	Public Law A	Autumn	8
LLB311	Lawyers and Australian Society	Autumn*	8
LLB393	Drafting Skills	Autumn*	2
LLB301	Evidence	Spring	8
LLB309	Public Law B	Spring	8
1 LLB Elective		Spring	8
Fifth Year			
3 LLB Electives		Autumn	24
LLB312	Legal Theory	Spring	8
2 LLB Electives		Spring	16

** Available Autumn and Spring*

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Mathematics Schedule for majors available in the Bachelor of Mathematics course.

Electives

Students must successfully complete elective subjects to the value of **48 credit points** from the LLB Schedule.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course

Honours

See Bachelor of Laws – 3 year course.

Bachelor of Computer Science / Bachelor of Laws

Testamur Title of Degree:	Bachelor of Computer Science/ Bachelor of Laws *(a separate testamur is awarded for each degree)*
Abbreviation:	BCompSc/LLB
Home Faculty:	Faculty of Law
Duration:	5 years full-time or part-time equivalent
Total Credit Points:	276*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8900 per session AUD (international)
Location:	Wollongong
UOW Course Code:	776
UAC Code:	751203
CRICOS Code:	012093B

* *This is a minimum figure and may vary depending on major.*

Overview

Students commencing University study directly from school must enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The BCompSc/LLB offers opportunities for students to undertake a specialised degree of study in computer science and law.

For the first three years of the double degree, students enrol substantially in subjects offered by the Faculty of Informatics combined with a small number of Law subjects. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

For the Faculty of Law:
Assumed knowledge: Any two units of English.
Recommended Studies: English Advanced.

Refer to Faculty of Informatics for entry requirements for the Bachelor of Computer Science.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degrees of Bachelor of Computer Science / Bachelor of Laws a candidate must complete, satisfactorily and independently, each of (a), (b) and (c) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 48 credit points from the LLB Schedule. To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
(c) subjects selected from either or both of the Computer Science Schedule or the General Schedule having a value of at least 108 credit points, including:
    (i) 72 credit points of computer science core subjects, as listed in the Computer Science course structure;
    (ii) an additional 24 credit points of 300-level subjects, of which 12 credit points must be CSCI subjects;
    (iii) Elective subjects chosen from the Computer Science Schedule and/or the General Schedule to the value of 12 credit points;
    (v) no more than 24 credit points (ie 1/6) of subjects at PC grade;

(vi) at least 24 credit points of 300-level subjects, including CSCI321, at pass grade or better.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Subjects from Computer Science Schedule		Autumn and Spring	36
PLUS			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
Second Year			
Subjects from Computer Science Schedule		Autumn and Spring	36
PLUS			
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2
Third Year			
Subjects from Computer Science Schedule		Autumn and Spring	36
PLUS			
LLB305	Property and Trusts A	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB306	Property and Trusts B	Spring	8
Fourth Year			
LLB300	Remedies and Procedure	Autumn	8
LLB302	Law of Business Organisations	Autumn	8
LLB308	Public Law A	Autumn	8
LLB311	Lawyers and Australian Society	Autumn *	8
LLB393	Drafting Skills	Autumn*	2
LLB301	Evidence	Spring	8
LLB309	Public Law B	Spring	8
1 LLB Elective		Spring	8
Fifth Year			
3 LLB Electives		Autumn	24
LLB312	Legal Theory	Spring	8
2 LLB Electives		Spring	16

** Available Autumn and Spring*

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Computer Science Schedule for majors available in the Bachelor of Computer Science degree.

Electives

Students must successfully complete elective subjects to the value of **48 credit points** from the LLB Schedule.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course.

Honours

See Bachelor of Laws – 3 year course.

Bachelor of Information and Communication Technology / Bachelor of Laws

Testamur Title of Degree:	Bachelor of Information and Communication Technology/ Bachelor of Laws *(a separate testamur is awarded for each degree)*
Abbreviation:	BInfoTech/LLB
Home Faculty:	Faculty of Law
Duration:	5.5 years full-time or part-time equivalent
Total Credit Points:	310*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8900 per session AUD (international)
Location:	Wollongong
UOW Course Code:	778
UAC Code:	751205
CRICOS Code:	016114C

* *This is a minimum figure and may vary depending on major.*

Overview

Students commencing University study directly from school must enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The BInfoTech/LLB allows students to combine an interest in information technology and law.

For the first four years of the double degree, students enrol substantially in subjects offered by the Faculty of Informatics combined with a small number of Law subjects. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

For the Faculty of Law:
- Assumed knowledge: Any two units of English.
- Recommended Studies: English Advanced.

Refer to Faculty of Informatics for entry requirements for the Bachelor of Information and Communication Technology.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degrees of Bachelor of Information and Communication Technology / Bachelor of Laws a candidate must complete, satisfactorily and independently, each of (a), (b) and (c) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 40 credit points from the LLB Schedule. To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
c) all requirements as prescribed for the Bachelor of Information and Communication Technology.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Subjects from Information and Communication Technology Schedule		Autumn and Spring	36
PLUS			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
Second Year			
Subjects from Information and Communication Technology Schedule		Autumn and Spring	36
PLUS			
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2

Third Year

Subjects from Information and Communication Technology Schedule		Autumn and Spring	36
PLUS			
LLB305	Property and Trusts A	Autumn	8
LLB306	Property and Trusts B	Spring	8

Fourth Year

Subjects from Information and Communication Technology Schedule		Autumn and Spring	42
PLUS			
1 LLB Elective		Autumn	8
No LLB subjects		Spring	0

Fifth Year

LLB302	Law of Business Organisations	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB308	Public Law A	Autumn	8
LLB311	Lawyers and Australian Society	Autumn*	8
1 LLB Elective		Autumn	8
LLB301	Evidence	Spring	8
LLB309	Public Law B	Spring	8
LLB312	Legal Theory	Spring	8

Sixth Year

LLB300	Remedies and Procedure	Autumn	8
LLB393	Drafting Skills	Autumn*	2
3 LLB Electives		Autumn	24

** Available Autumn and Spring*

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Information and Communication Technology Schedule for majors.

Electives

Students must successfully complete elective subjects to the value of **40 credit points** from the LLB Schedule.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course.

Honours

See Bachelor of Laws – 3 year course.

Bachelor of Engineering / Bachelor of Laws

Testamur Title of Degree:	Bachelor of Engineering/ Bachelor of Laws *(a separate testamur is awarded for each degree)*
Abbreviation:	BE/LLB
Home Faculty:	Faculty of Law
Duration:	5.5 years full-time or part-time equivalent
Total Credit Points:	322*
Delivery Mode:	On-campus
Starting Session(s):	Autumn
Standard Course Fee:	HECS (domestic), $8900 per session AUD (international)
Location:	Wollongong
UOW Course Code:	779
UAC Code:	751208
CRICOS Code:	036465C

** This is a minimum figure and may vary depending on major.*

Overview

Students commencing University study directly from school must enrol in a double degree course with the Bachelor of Laws. Study in another academic discipline allows students to recognise how law functions in social, economic, technical, environmental and scientific contexts. The BE/LLB degree allows students to recognise how law functions in technical contexts.

For the first four years of the double degree, students enrol substantially in subjects offered by the Faculty of Informatics combined with a small number of Law subjects. In the final two years of the degree, students enrol exclusively in Law subjects, including a range of law elective options.

Entry Requirements / Assumed Knowledge

For the Faculty of Law:
Assumed knowledge: Any two units of English.
Recommended Studies: English Advanced.

Refer to Faculty of Engineering for entry requirements.

Advanced Standing

Students may apply for advanced standing for relevant subjects completed at approved tertiary institutions. Refer to http://www.uow.edu.au/handbook/courserules/advancedstanding.html

Course Requirements

To qualify for the award of the degrees of Bachelor of Engineering / Bachelor of Laws a candidate must complete, satisfactorily and independently, each of (a), (b) and (c) as follows:

a) all compulsory Law subjects;
b) elective subjects to the value of 40 credit points from the LLB Schedule. To be eligible for the award of Honours, candidates must complete either LLB313 or LLB314;
c) a major study (comprising 162 credit points) as prescribed by the Faculty of Engineering. All students should discuss their Engineering program with the relevant Course Coordinator.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Subjects from Engineering schedule		Autumn and Spring	36
PLUS			
LLB100	Foundations of Law A	Autumn	6
LLB110	Legal Research and Writing	Autumn	4
LLB200	Foundations of Law B	Spring	6
LLB210	Law of Contracts	Spring	8
Second Year			
Subjects from Engineering schedule		Autumn and Spring	48
PLUS			
LLB304	Criminal Law and the Process of Justice	Autumn	8
LLB392	Communication Skills	Autumn*	2
LLB391	Dispute Management Skills	Spring	2
LLB394	Advocacy Skills	Spring	2
Third Year			
Subjects from Engineering schedule		Autumn and Spring	42
PLUS			
LLB305	Property and Trusts A	Autumn	8
LLB306	Property and Trusts B	Spring	8
Fourth Year			
Subjects from Engineering schedule		Autumn and Spring	36
PLUS			
1 LLB Elective		Autumn	8
1 LLB Elective		Spring	8
Fifth Year			
LLB302	Law of Business Organisations	Autumn	8
LLB307	Law of Torts	Autumn	8
LLB308	Public Law A	Autumn	8
LLB311	Lawyers and Australian Society	Autumn*	8
1Elective		Autumn	8
LLB301	Evidence	Spring	8
LLB309	Public Law B	Spring	8
LLB312	Legal Theory	Spring	8
Sixth Year			
LLB300	Remedies and Procedure	Autumn	8
LLB393	Drafting Skills	Autumn*	2
2 LLB Electives		Autumn	16

**Available Autumn and Spring*

Majors

Majors are NOT available in the Bachelor of Laws course. Refer to the Engineering Schedule for majors available in the Bachelor of Engineering degree.

Electives

Students must successfully complete elective subjects to the value of **40 credit points** from the LLB Schedule.

NOTE: LLB 396 Advanced Legal Skills is a pre-requisite for entry to the Practical Legal Training Course at this University.

Elective Law Subjects

See Bachelor of Laws – 3 year course.

Honours

See Bachelor of Laws – 3 year course.

Faculty of Science

Member Units

School of Biological Sciences
Department of Chemistry
School of Earth and Environmental Sciences

Degrees Offered

Bachelor of Biotechnology
Bachelor of Biotechnology - Advanced
Bachelor of Environmental Science
Bachelor of Environmental Science - Advanced
Bachelor of Mathematical Sciences
Bachelor of Marine Science
Bachelor of Marine Science (Honours)
Bachelor of Marine Science - Advanced (Honours)
Bachelor of Medicinal Chemistry
Bachelor of Medicinal Chemistry - Advanced
Bachelor of Nanotechnology
Bachelor of Nanotechnology - Advanced
Bachelor of Science
Bachelor of Science (Honours)
Bachelor of Science - Advanced (Honours)

Double Degrees:

Bachelor of Science - Bachelor of Arts
Bachelor of Science - Bachelor of Commerce
Bachelor of Science - Bachelor of Laws
Bachelor of Science - Bachelor of Mathematics
Bachelor of Computer Science - Bachelor of Science
Bachelor of Creative Arts - Bachelor of Science
Bachelor of Engineering - Bachelor of Science

Faculty of Science Rules

All students enrolled in Faculty of Science degrees should note that:

1. they must satisfy the minimum mathematics requirement for all degrees offered by the Faculty of Science as set out in the Course Rules; (Only candidates majoring in Human Geography are exempted from this rule)
2. a Pass or Pass Conceded grade (not a Pass Restricted grade) is required in a pre-requisite subject to progress to a higher level subject in disciplines within the Faculty of Science unless that pre-requisite is waived by a Head of the Academic Unit for a particular student in special circumstances;
3. a Pass Conceded grade in a 300-level subject forming part of a Science major may not be counted towards the completion of the major. Students may obtain a copy of the Science Students' Guide from the Faculty Office, Room No. 41.258.

Bachelor of Science

Testamur Title of Degree:	Bachelor of Science
Abbreviation:	BSc
Home Faculty:	Science
Duration:	3 years full time or p.t. equivalent
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $8,900 per session for most majors (international)
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757621
CRICOS Code:	003283D

Overview

Students may gain a comprehensive education in Science by either selecting a major study and a range of elective subjects. The major studies areas are Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology and Geosciences. Other interdisciplinary majors are Biotechnology, Ecology, Environment, Land and Heritage Management, Medicinal Chemistry and Nanotechnology.

The flexible structure of the major and electives allows students to design their study program to meet their particular interests and abilities. Students may combine their chosen Science major with a second major in Science, or a major chosen from outside the Faculty, or with a range of elective subjects.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 78 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Four units of science or four units comprising science and mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

Bachelor of Science requirements fall into one of three categories, as follows:

1. a) At least one major chosen from disciplines located in the Faculty of Science. A major study consists of at least 90 credit points from the Science Schedule (see list of subjects at the end of this degree entry) of which at least 60 credit points are from one of the Faculty of Science disciplines: Biological Sciences, Chemistry, Human Geography, Physical Geography, Geology, Geosciences.

   The balance of 54 credit points (to a degree total of 144) may be chosen from either the Science Schedule or General Schedule and may include a second Science major or a selection of complementary or contrasting subjects.

   b) One major from within the Faculty of Science and a co-major from outside the Faculty. Approved co-majors are: Biomedical Sciences, Computer Science, Human Resource Management, Management, Marketing, Mathematics/Applied Statistics, Nutrition, Physics, Psychology. In this category, where an approved major is combined with a Science major, the requirement of at least 90 credit points from the Science Schedule is waived.

2. An approved major from outside of the Faculty combined with a minor from within the Faculty. A minor is defined as comprising at least 12 credit points of 100-level and 32 credit points of 200-level and/or 300-level subjects from one of the Science Academic Units: Biological Sciences, Chemistry or Geosciences. The allowed external majors are Computer Science, Mathematics/Applied Statistics, Physics, Psychology.

   Note: Students wishing to undertake a major program involving a discipline outside of the Faculty of Science as in 1(b) and 2 above, must first obtain the approval of the Head of the relevant Department or School and verify their planned study program. Recommended major programs can be obtained from the Faculty of Science Office in room 41.258.
3. One of the six interdisciplinary, prescribed majors, as follows (see separate course entry for each): Biotechnology, Ecology, Environment, Land and Heritage Management, Medicinal Chemistry, Nanotechnology

For the Bachelor of Science (Physics): Refer to the Faculty of Engineering.

Note: The Science Schedule list of subjects is provided at the end of this degree entry. The General Schedule is provided in the Course Structures.

Honours

Students with a good academic record, particularly in third year are encouraged to proceed to the Honours year in the discipline of their major. The Honours year is a fourth year of study that provides a training in independent research.

Major Study Areas

Biological Sciences

The general aim of the degree courses offered by the School of Biological Sciences is to provide students, regardless of previous background, with a basic understanding of the major principles, concepts and technologies of modern Biology. A major in Biological Sciences can be taken in the fields of biochemistry, molecular biology, cell biology, immunology, comparative physiology, terrestrial ecology, marine biology, evolutionary biology and environmental biology.

Major Study

First year (BIOL103, 104) is a general, self-contained introduction to Biology as well as essential background for future years. Students wishing to major in Biological Sciences must also take both first year Chemistry subjects. Students are required to take four 200-level Biological Sciences subjects selected from the seven available. Note prerequisites for 3rd Year subjects when selecting the combination of 2nd year subjects. Students proceeding to a Biological Sciences major are strongly encouraged to take more than the minimum array of Biological Sciences subjects, especially at second year. All students majoring in Biological Sciences must take at least three 300-level subjects that form a coherent course of study. Approved subject combinations are (i) BIOL320, 321, and one of BIOL303, 332, CHEM320 (ii) BIOL351, 355 and BIOL332. Other subject combinations are possible and should be discussed with the Head of Department.

Second Majors

Second majors with other Departments are also available. In particular, students interested in Biochemistry may take a second major in Chemistry; students interested in Ecology should consider a second major in Physical Geography; and students interested in comparative physiology should consider subjects from the Health and Behavioural Sciences schedule.

Subjects		Session	Credit Points
100-level			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101	Chemistry 1A (or CHEM104 Chemistry 1D)	Autumn	6
CHEM102	Chemistry 1B (or CHEM105 Chemistry 1E)	Spring	6
MATH151	General Mathematics 1A (if required)	Autumn/Summer	6
Note: Students wishing to take MARE200 and MARE300 should note that one of EESC102 Earth Environments and Resources or EESC112 Landscape Change and Climatology is required as a prerequisite.			
200-level			
24 credit points from the following Biological Sciences subjects plus Statistics			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy & Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL240	Functional Biology of Plants & Animals	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
MARE200	Introduction to Oceanography	Autumn	6
STAT252	Statistics for Natural Sciences	Spring	6

300-level			
An approved combination of at least 24 credit points from the following:			
BIOL303	Biotechnology: Applied Molecular and Cell Biology	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
BIOL320	Molecular Cell Biology	Autumn	8
BIOL321	Cellular and Molecular Immunology	Spring	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
MARE300	Fisheries and Aquaculture	Spring	8
400-level - Honours			
BIOL401	Biology Honours	Annual	48
BIOL402	Biology Joint Honours	Annual	24

Other Information

Notes on Biological Sciences major

1. A fourth Biological Sciences 200-level subject may be waived for students taking both a Biological Sciences major and a major from the School of Geosciences.
2. A Mathematics or Statistics subject acceptable to the Department of Biological Sciences may be substituted for STAT252.
3. STAT252 may be waived for some programs combining 300-level Biological Sciences and another approved discipline.

Advanced Biology Project (BIOL392) is an 8-credit point project-based subject and Advanced Biology (BIOL391) is a 16 credit point project-based subject. These two subjects are available for high-quality students wishing to complement their coursework with research projects. Entry into these subjects is by permission of the Coordinator and requires good performance (usually Distinction average) in four 200-level Biological Sciences subjects.
An elective subject, MARE357 - Advances in Molluscan Biology, is offered in Summer Session for students wishing to gain additional field experience.

Chemistry

Chemistry is the study of the molecular nature of all matter and its interactions. The relationship between its structure and a molecule's properties and reactivity give chemistry an essential, central position in science and technology. An understanding of chemistry is needed for the full gamut of technology-based disciplines from solid-state physics and astro-physics to molecular biology and the life sciences; from geochemistry and environmental science to engineering and health sciences. Completion of this major qualifies graduates for membership of the Royal Australian Chemical Institute.

Major Study

A major in chemistry consists of two core 100 level subjects, and four core 200 level subjects, and an approved combination of 300 level subjects offered by the Department of Chemistry, with a value of at least 24 credit points.

Second Major

Students may use their elective credit points to complete a second major in another discipline.

Subjects		Session	Credit Points
100-level			
CHEM101	Chemistry 1A (or CHEM104 Chemistry 1D)	Autumn	6
CHEM102	Chemistry 1B (or CHEM105 Chemistry 1E)	Spring	6
200-level			
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity & Change	Spring	6
CHEM214	Analytical & Environmental Chemistry II	Spring	6
300-level			
At least three subjects taken from the following list:			
CHEM301	Advanced Materials and Nanotechnology	Spring	8
CHEM314	Instrumental Analysis	Autumn	8

CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM327	Environmental Chemistry	Autumn	8
CHEM340	Chemistry Laboratory Project	Annual	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
400-level – Honours			
CHEM401	Chemistry Honours	Annual	48
CHEM402	Chemistry Honours Part 1 for Part time students	Autumn	24
CHEM403	Chemistry Honours Part 2 for Part time students	Spring	24
CHEM405	Chemistry Joint Honours	Annual	24

Other Information

The Department offers a third year research subject CHEM340 to students with a good academic record (usually a credit average or better) who wish to gain experience in research. Entry into this subject is by permission of the Head of Department.

Human Geography

Human Geography encompasses the study of human societies and human environments. Understanding and helping to resolve conflicts and crises makes Human Geography an immediately socially-relevant discipline. Human Geographers make an essential contribution to environmental management, urban planning, and the management of social and economic change.

Double Major

A human geography major may be usefully combined with a physical geography major.

Subjects		Session	Credit Points
100-level			
EESC103	Landscape Change and Climatology	Autumn	6
EESC104	The Human Environment: Problems and Change	Spring	6
Recommended electives:			
EESC101	Planet Earth	Autumn	6
EESC102	Earth Environments and Resources	Spring	6
200-level			
EESC205	Population Studies	Autumn	6
EESC210	Social Spaces: rural and urban	Spring	6
Plus at least two other subjects chosen from Earth and Environmental Sciences schedule at 200-level.			
Recommended options include:			
EESC204	Introductory Spatial Science	Spring	6
EESC206	Discovering Downunder: A Geography of Australia	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
300-level			
EESC307	Spaces, Places and Identities	Autumn	8
EESC308	Environmental and Heritage Management	Spring	8
Plus at least one other subject chosen from Earth and Environmental Sciences schedule at 300-level.			
Recommended options include:			
EESC305	Remote Sensing of the Environment	Autumn	8
EESC304	Geographic Information Science	Spring	8

Other Information

Students are encouraged to choose elective subjects from the arts and social sciences, such as history, economics and sociology.

Physical Geography

Physical Geography is the study of patterns and processes in the environment caused by the forces of nature. It examines the environmental and ecological problems facing the world, and provides the skills and knowledge to assist in managing them.

Double Major

A Physical Geography major could be combined with a Human Geography major or a Geology major.

Subjects		Session	Credit Points
100-level			
EESC101	Planet Earth	Autumn	6
EESC103	Landscape Change and Climatology	Autumn	6
Recommended electives:			
EESC102	Earth Environments and Resources	Spring	6
EESC104	The Human Environment: Process and Change	Spring	6
200-level			
EESC203	Biogeography and Environmental Change	Autumn	6
EESC202	Soils, Landscape and Hydrology	Spring	6
Plus at least two other subjects chosen from Earth and Environmental Sciences schedule at 200-level. Recommended options include:			
EESC204	Introductory Spatial Science	Spring	6
EESC206	Discovering Downunder: A Geography of Australia	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology	Summer	6
300-level			
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
EESC302	Coastal Environments: Process & Management	Spring	8
Plus at least one other subject chosen from Earth and Environmental Sciences schedule at 300-level. Recommended options include:			
EESC305	Remote Sensing of the Environment	Autumn	8
EESC304	Geographic Information Science	Spring	8

Geology

Geology is the study of the earth, the materials of which it is made, the processes that act on these materials, the products formed and the history of the planet and its life forms. Areas of specialised study include economic geology (coal, petroleum, uranium); geophysics; palaeontology; sedimentology; structural geology; stratigraphy; tectonics; volcanology and geochemistry.

Double Major

A Geology major can be combined with a second major in Physical Geography.

Subjects		Session	Credit Points
100-level			
EESC101	Planet Earth	Autumn	6
EESC102	Earth Environments and Resources	Spring	6
Recommended electives:			
EESC103	Landscape Change and Climatology	Autumn	6
EESC104	The Human Environment: Problems and Change	Spring	6
200-level			
EESC201	Earth Surface Processes and Products	Autumn	6
EESC202	Soils, landscape and hydrology	Spring	6
Plus at least two other subjects chosen from Earth and Environmental Sciences schedule at 200-level. Recommended options include:			
EESC204	Introductory Spatial Science	Spring	6
EESC203	Biogeography and Environmental change	Autumn	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology	Summer	6
300-level			
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
EESC306	Resources and Environments	Spring	8
Plus at least one other subject chosen from Earth and Environmental Sciences schedule at 300-level. Recommended options include:			
EESC305	Remote Sensing of the Environment	Autumn	8
EESC304	Geographic Information Science	Spring	8

Geosciences

A major in Geosciences offers a combined program of study in the two disciplines of Geography or Geology.

Subjects
100-level
At least two subjects chosen from Earth and Environmental Sciences subjects at 100-level
200-level
At least four subjects chosen from Earth and Environmental Sciences subjects at 200-level
300-level
At least three subjects chosen from Earth and Environmental Sciences subjects at 300-level

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, 41.259.

Science Schedule of Subjects

The following are subjects offered by the Academic Units in the Faculty of Science, as well as subjects from outside of the Faculty, that can be counted towards the 90 credit points of Science subjects required for a Bachelor of Science degree. The required 90 credit points must include a major study (or in some cases a minor study) in a discipline located in the Faculty of Science. Only 60 credit points of 100-level subjects may be counted towards a degree.

Biological Sciences

BIOL103	Molecules, Cells and Organisms	6
BIOL104	Evolution, Biodiversity and Environment	6
BIOL212	Introductory Microbiology and Immunology*	6
BIOL213	Principles of Biochemistry	6
BIOL214	The Biochemistry of Energy and Metabolism	6
BIOL215	Introductory Genetics	6
BIOL240	Functional Biology of Plants and Animals	6
BIOL241	Biodiversity: Classification and Sampling	6
BIOL251	Principles of Ecology and Evolution	6
MARE200	Introduction to Oceanography	6
BIOL292	Special Biology Studies	6
BIOL303	Biotechnology: Applied Cell and Molecular Biology	8
BIOL320	Molecular Cell Biology	8
BIOL321	Bioinformatics: from genome to structure	8
BIOL332	Ecological and Evolutionary Physiology	8
BIOL333	Frontiers in Field Physiology*	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	8
BIOL355	Marine and Terrestrial Ecology	8
MARE300	Fisheries and Aquacultures	8
MARE357	Advances in Molluscan Biology	8
BIOL391	Advanced Biology	8
BIOL392	Advanced Biology Project	8
MARE393	Advanced Marine Science Project	8

Chemistry

CHEM101	Chemistry 1A: Intro. Physical and General Chemistry	6
CHEM102	Chemistry 1B: Intro. Organic and Physical Chemistry	6
CHEM104	Chemistry 1D (Introductory Chemistry)	6
CHEM105	Chemistry 1E (Introductory Chemistry)	6
NANO101	Current Perspectives in Nanotechnology	6
CHEM211	Inorganic Chemistry II	6
CHEM212	Organic Chemistry II	6
CHEM213	Molecular Structure, Reactivity and Change	6
CHEM214	Analytical and Environmental Chemistry II	6
CHEM218	Special Chemistry Studies	6
CHEM301	Advanced Materials and Nanotechnology	8
CHEM314	Instrumental Analysis	8

CHEM320	Bioinformatics: From Genome to Structure	8
CHEM321	Organic Synthesis and Reactivity	8
CHEM327	Environmental Chemistry	8
CHEM330	Medicinal Chemistry	8
CHEM340	Chemistry Laboratory Project	8
CHEM350	Principles of Pharmacology	8
CHEM364	Molecular Structure and Spectroscopy	8
Earth and Environmental Sciences		
EESC101	Planet Earth	6
EESC102	Earth Environments and Resources	6
EESC103	Landscape Change and Climatology	6
EESC104	The Human Environment: Problems & Change	6
MARE200	Introduction to Oceanography	6
EESC201	Earth Surface Processes and Products	6
EESC202	Soils, Landscapes and Hydrology	6
EESC203	Biogeography and Environmental Change	6
EESC204	Introductory Spatial Science	6
EESC205	Population Studies	6
EESC206	Discovering Downunder: a Geography of Australia	6
EESC208	Environmental Impact of Societies6	6
EESC210	Social Spaces: Rural and Urban	6
EESC250	Field Geology I	6
EESC260	Earth & Environmental Sciences Research Project	6
EESC301	Plate Tectonics, Macrotopography & Earth History	8
EESC302	Soils, Landscapes and Hydrology	8
EESC303	Fluvial Geomorphology and Sedimentology	8
EESC304	Geographic Information Science	8
EESC305	Remote Sensing of the Environment	8
EESC306	Resources and Environments	8
EESC307	Spaces Places and Identities	8
EESC308	Environmental & Heritage Management	8
EESC300	Directed Studies in Earth & Environmental Sciences A	8
EESC350	Directed Studies in Earth & Environmental Sciences B	8
ENVI391	Environmental Science	8
General Science		
SCIE101	Modern Perspectives in Science	6
SCIE292	Science Research Internship	6

Subjects offered by Academic Units external to the Faculty of Science:

Biomedical Science		
BMS101	Systemic Anatomy	6
BMS112	Human Physiology 1	6
BMS202	Human Physiology II: Control Mechanisms	6
BMS311	Nutrients and Metabolism	8
BMS312	Research in Human Nutrition Information Technology and Computer Science	8
CSCI103	Algorithms and Problem Solving	6
CSCI114	Procedural Programming	6
Mathematics and Applied Statistics		
MATH141	Mathematics 1C Part 1	6
MATH142	Mathematics 1C Part 2	6
MATH161	Mathematics 1E Part 1	6
MATH162	Mathematics 1E Part 2	6
MATH187	Mathematics 1A Part 1	6
MATH188	Mathematics 1A Part 2	6
MATH151	General Mathematics IA	6
MATH201	Multivariate and Vector Calculus	6
MATH202	Differential Equations 2	6
MATH283	Mathematics 2E for Engineers Part 1	6
STAT252	Statistics for the Natural Sciences	6

Engineering Physics

PHYS131	Physics for the Environmental and Life Sciences A	6
PHYS132	Physics for the Environmental and Life Sciences B	6
PHYS141	Fundamentals of Physics A	6
PHYS142	Fundamentals of Physics B	6
PHYS205	Modern Physics	6
PHYS206	Project in Physics	6
PHYS215	Vibrations, Waves and Optics	6
PHYS225	Electromagnetism and Optoelectronics	6
PHYS233	Introduction to Environmental Physics	6
PHYS235	Mechanics and Thermodynamics	6
PHYS255	Radiation Physics	6
PHYS295	Astronomy: Concepts of the Universe	6
PHYS305	Quantum Mechanics	8
PHYS306	Project in Physics	8
PHYS325	Electromagnetism	8
PHYS335	Classical Mechanics	8
PHYS365	Detection of Radiation: Neutrons, Electrons and X Rays	8
PHYS375	Nuclear Physics	8
PHYS385	Statistical Mechanics	8
PHYS390	Astrophysics	8
PHYS396	Electronic Materials	8

Bachelor of Science Advanced (Honours)

Testamur Title of Degree:	Bachelor of Science Advanced (Honours)
Abbreviation:	BSc Adv (Hons)
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $9,200 per session (international)
Location:	Wollongong
UOW Course Code:	741A
UAC Code:	757601
CRICOS Code:	-

Overview

The Advanced Program, designed specifically for high achieving students, offers direct entry into Honours, unlike the normal BSc which delays selection for Honours until the completion of the third year.

It offers a greater degree of flexibility in program design through: the possibility of exemptions from some first year subjects; direct entry into some 200-level subjects; the opportunity to undertake individual research subjects at second, third and fourth year level; the opportunity to progress at a faster rate through the use of "fast tracking" mechanisms; the chance to participate in various enrichment activities and to develop a close association with an appropriate member of one of the Department's research teams. In the final year, all students undertake a substantial piece of supervised research in their major discipline together with other required seminar and/or course work.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of at least 90 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Four units of science or four units comprising science and mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

BSc students with an exceptionally high level of performance in first year may enter the program on the recommendation of the Coordinator or Head of the Academic Unit or the invitation of the Dean. Transfer will not be considered before completion of the first year of the course and is based on at least a Distinction average (75%) taken over all subjects completed, and the approval of the Dean or Associate Dean.

Course Requirements

Study programs are structured on an individual basis in consultation with the Head of Department or School. Students are required to fulfil all the normal BSc and Honours requirements and may select their major study program from any of those available within the Faculty (refer to the information under Bachelor of Science and Bachelor of Science (Honours).

Progression Requirements:

In order to maintain a place in an Advanced Science degree, students are normally required to achieve at least a Distinction average (75%) in the 200 and 300 level subjects completed. The performance of each student will be reviewed by the Associate Dean after the completion of 72 credit points. Students will be interviewed by the Associate Dean at the end of their first year to assess their progress.

Honours

After fulfilling requirements for a Bachelor of Science, students automatically proceed to an Honours year in their chosen discipline.

Major Study Areas

Please refer to the information contained in the entries for Bachelor of Science (742).

Students select a major from those available in the Faculty:

- Biological Sciences
- Chemistry
- Human Geography
- Physical Geography
- Geology
- Geosciences
- Ecology
- Environment
- Land and Heritage Management

Other Information

Please note: Similar Advanced programs are also available to students wishing to undertake one of the specialist degrees: Bachelor of Biotechnology, Bachelor of Environmental Science, Bachelor of Marine Science, Bachelor of Medicinal Chemistry and Bachelor of Nanotechnology.

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, 41.259.

Bachelor of Science (Honours)

Testamur Title of Degree:	Bachelor of Science (Honours)
Abbreviation:	BSc(Hons)
Home Faculty:	Science
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	Flexible
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $9,200 per session (international)
Location:	Wollongong
UOW Course Code:	741
UAC Code:	-
CRICOS Code:	003126F

Overview

Students who have fulfilled the requirements of a Bachelor of Science with a major in a discipline offered by the Faculty, and achieved the required academic standard, may undertake an Honours degree – a year of research training in the discipline.

The honours degree provides students with the first real opportunity to undertake research on a topic of your interest. The honours year is particularly important as it represents a gateway to future research opportunities, both in the form of higher research degrees and as a career in research, or other vocations that require advanced analytical and research skills.

Entry Requirements / Assumed Knowledge

Students may apply to enrol in an Honours degree after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is usually an average of at least credit level for the 300-level subjects in the major study. Admission to Honours is by recommendation of the relevant Head of the Academic Unit and approval by the Dean or Associate Dean of the Faculty, and acceptance by an academic supervisor in the discipline.

By arrangement with the academic units involved, it is possible to undertake Joint Honours, a research thesis spanning two disciplines.

Students proceeding directly from a 3-year degree to Honours do not graduate until after they have completed Honours. However, it is possible to graduate with a Pass Degree and then decide to undertake Honours at a later date, either at this University or at another University. Graduates from other Universities may also apply to undertake Honours at the University of Wollongong.

Course Requirements

To graduate with an Honours degree, candidates undertake a research thesis within their major study discipline, together with any required coursework.

In the Faculty of Science, Bachelor of Science Honours degrees can be taken in the following disciplines:

- Biological Sciences
- Chemistry
- Human Geography
- Physical Geography
- Geology
- Geosciences

Students enrol in the appropriate 400-level Honours for the particular discipline, as set out below.

Course Program

Subjects		Session	Credit Points
Biological Sciences Honours			
BIOL401	Biology Honours	Annual	48
or			
BIOL402	Biology Joint Honours	Annual	24
Chemistry Honours			
CHEM401	Chemistry Honours	Annual	48
or			
CHEM402	Chemistry Honours Part 1 for Part Time students	Autumn	24
and			
CHEM403	Chemistry Honours Part 2 for Part Time students	Autumn	24
or			
CHEM405	Chemistry Joint Honours	Annual	24

Human Geography, Physical Geography, Geology or Geosciences Honours

EESC401	Earth and Environmental Science Honours	Annual	48
OR			
EESC402	Earth and Environmental Science Joint Honours	Annual	24

Other Information

For further information contact the Head of the Academic Unit in the particular discipline, or the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

Bachelor of Science (Biotechnology)

Testamur Title of Degree:	Bachelor of Science (Biotechnology)
Abbreviation:	BSc(Biotech)
Home Faculty:	Science
Duration:	3 years
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); $8,900 per session (international)
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757631
CRICOS Code:	003283D

Overview

Biotechnology is the application of exciting advances in molecular and cell biology to medicine, agriculture, and the environment. Through modern technologies, such as genetic engineering, biotechnology is shaping diverse aspects of medicine (cancer, vaccines, therapy and diagnosis of genetic diseases), food production (transgenic plants) and industry (bioremediation). Biotechnology encompasses the rapidly evolving fields of monoclonal antibody technology, proteomics and genetic engineering. A new generation of pharmaceuticals, vaccines, hormones and anti-inflammatory agents are being developed using these technologies.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Chemistry and Mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects		Session	Credit Points
First Year			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101/104	Chemistry 1A/1D	Autumn	6
CHEM102/105	Chemistry 1B/1E	Spring	6
MATH151	General Mathematics A (if required)	Autumn or Summer	6
Plus other elective subjects to give a total credit point value of 48, at least 6 of which should be one of the following:			
PHYS132*	Physics for the Environmental and Life Sciences	Spring	6
STS100#	Social Aspects of Science and Technology	Autumn	6
BMS101	Systemic Anatomy	Autumn	6
BMS112	Human Physiology I: Principles and Systems	Spring	6

* Strongly recommended

STS100 is compulsory for students taking an approved course of study which does not include STS250.

Second Year			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry or Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL240	Functional Biology of Plants & Animals	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
CHEM212	Organic Chemistry	Autumn	6
CHEM214	Analytical & Environmental Chemistry II	Spring	6
Plus one of the following subjects:			
STS250	From Molecular Genetics to Biotechnology	Autumn	8
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
Third Year			
BIOL303	Biotechnology: Applied Cell & Molecular Biology	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
BIOL320	Molecular Cell Biology	Autumn	8
BIOL321	Cellular and Molecular Immunology	Spring	8
Plus one Session 1 subject chosen from the following:			
CHEM350	Principles of Pharmacology	Autumn	8
BIOL332	Ecological & Evolutionary Physiology	Autumn	8
BIOL392	Advanced Biology Project	Autumn, Spring or Summer	8
MGMT310	Introduction to Management for Professionals B	Autumn	8
BMS344	Cardiorespiratory Physiology	Autumn	8
Plus one Session 2 subject chosen from the following:			
CHEM321	Organic Synthesis and Reactivity	Spring	8
BIOL392	Advanced Biology Project	Autumn, Spring or Summer	8
PHIL380	Bioethics	Spring	8

Honours

If the required academic standard is attained the BSc(Biotechnology) student may transfer to the BBiotechnology fourth Honours year. This consists of special coursework plus a research project.

Professional Recognition

Graduates qualify to apply for membership of the Australian Institute of Biology, the Australian Society of Microbiology and the Australian Biotechnology Society.

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/
Or for more detailed course information contact the Professional Officer, Julie-Ann Green, telephone: 4221 3100, email: jagreen@uow.edu.au

The Coordinator of the degree is Associate Professor Mark Wilson – School of Biological Sciences.

Bachelor of Science (Ecology)

Testamur Title of Degree:	Bachelor of Science (Ecology)
Abbreviation:	BSc(Ecol)
Home Faculty:	Science
Duration:	3 years
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $8,900 per session (international)
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757621
CRICOS Code:	003283D

Overview

The University has one of the strongest ecological research groups in Australia working in marine, freshwater and terrestrial ecology, tropical and temperate ecosystems. Study areas include applications of remote sensing and geographical information systems (GIS), the use of molecular genetics in conservation biology, biodiversity assessment/sampling, environmental impact assessment and experimental ecology. Organisms studied include: endangered plants, marsupial pollinators, marine and arid land birds, invertebrates – from corals to ants and marine and freshwater fish.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 78 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Four units of science or four units comprising science and mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects		Session	Credit Points
First Year			
BIOL104	Evolution, Biodiversity & Environment	Autumn	6
BIOL103	Molecules, Cells & Organisms	Spring	6
EESC102	Earth Environments and Resources	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
MATH187	Mathematics 1A, Part 1 (or Math 141 or Math 161)	Autumn	6
MATH188	Mathematics 1A, Part 2 (or Math 142 or Math 162)	Spring	6
Plus 12 credit points of electives to be approved by the coordinator			
Second Year			
BIOL240	Functional Biology of Plants and Animals	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
EESC 203	Biogeography & Environmental Change	Autumn	6
EESC 204	Introductory Spatial Science	Spring	6
MATH111	Applied mathematical Modelling	Spring	6
STAT 131	Probability and Random variables	Autumn	6
STAT 132	Estimation and Hypothesis Testing	Spring	6
One 6 credit point elective subject may be approved by the coordinator if MATH111 is taken in 1st year			
Third Year			
BIOL351	Conservation Biology: Marine & Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
EESC 304	Geographic Information Science	Spring	8
EESC 305	Remote Sensing of the Environment	Autumn	8
STAT 355	Sample Surveys and Experimental design (with project)	Autumn, Spring	8
Plus one of the following			
BIOL332	Ecology and Evolutionary Physiology	Autumn	8
BIOL392	Advanced Biology Project	Autumn, Spring, Summer	8
MARE300	Fisheries and Aquaculture	Spring	8

EESC302	Coastal Environments and Processes	Spring	8

Entry to BIOL392 would be subject to student having a distinction average in relevant subjects plus an arrangement for a supervisor

Honours

Students with a good academic record, particularly in third year are encouraged to proceed to the Honours year in the discipline of their major. The Honours year is a fourth year of study that provides a training in independent research.

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Course Coordinator is Dr Kris French – School of Biological Sciences

Bachelor of Science (Environment)

Testamur Title of Degree:	Bachelor of Science (Environment)
Abbreviation:	BSc(Env)
Home Faculty:	Science
Duration:	3 years
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $8,900 per session (international)
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757633
CRICOS Code:	003283D

Overview

The Bachelor of Science (Environment) offers two broad, flexible, multi-disciplinary three-year strands ideal for students wishing to complete a science-based environmental degree with a view to employment in an area of environmental assessment, management and policy development. Core subjects have been chosen with a view to providing the key workplace skills required in the environmental field, and appropriate disciplinary strands can be chosen from optional subjects.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Four units of Science or four units comprising Science & Mathematics.
Recommended studies include four units of Science or four units of Science & Mathematics. Geography may be counted as Science subjects.

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

(a) Biological Sciences/Chemistry/Geosciences strand

Subjects		Session	Credit Points
Common First Year			
BIOL104	Evolution, Biodiversity & Environment	Autumn	6
CHEM101/4	Chemistry 1A/D	Autumn	6
EESC101	Planet Earth	Autumn	6
EESC103	Landscape Change and Climatology	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102/5	Chemistry 1B/E	Spring	6
EESC102	Earth Environments and Resources	Spring	6
EESC104	The Human Environment: Problems and Change	Spring	6
Common Second Year			

BIOL251	Principles of Ecology and Evolution	Autumn	6
PHYS233	Introduction to Environmental Physics	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
EESC204	Introductory Spatial Science	Spring	6
Options:	*plus 2 of the following subjects, one of which should be MATH151 if minimum Mathematics requirement not already met, as approved for the balance of credit points to total 48*		
MATH151	General Mathematics (if required)	Autumn, Summer	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry	Autumn	6
MARE200	Introduction to Oceanography	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
EESC202	Soils, Landscapes and Hydrology	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology I	Summer	6

Third Year

EESC304	Geographic Information Science	Spring	8
ENVI391	Environmental Science	Spring	8
Options: *plus 4 of the following subjects, as approved*			
CHEM314	Instrumental Analysis	Autumn	8
CHEM327	Environmental Chemistry	Autumn	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
EESC306	Resources and Environments	Spring	8
EESC308	Environmental and Heritage management	Spring	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
EESC302	Coastal Environments: Process & Management	Spring	8
MARE300	Fisheries and Aquaculture	Spring	8
MARE357	Advances in Molluscan Biology	Summer	8

(b) Physical Sciences strand

Subjects (by year)		**Session**	**Credit Points**
Common First Year			
CHEM101	Chemistry 1A	Autumn	6
CHEM102	Chemistry 1B	spring	6
PHYS141	Fundamentals of Physics A	Autumn	6
PHYS142	Fundamentals of Physics B	Spring	6
MATH187	Mathematics 1A, Part 1 (or MATH141/161)	Autumn	6
MATH188	Mathematics 1A, Part 2 (or MATH142/162)	spring	6
EESC103	Landscape Change and Climatology	Autumn	6
CSCI114	Procedural Programming	Autumn or Spring	6
Common Second Year			
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
PHYS230	Intermediate Physics	Annual	12
PHYS235	Mechanics and Thermodynamics	Autumn	6
PHYS233	Introduction to Environmental Physics	Autumn	6
MATH283	Mathematics IIE for Engineers	Spring	6
BIOL352	Biology for Environmental Engineers	Autumn	6
Third Year			
Core Subjects			
PHYS375	Nuclear Physics	Spring	6
CHEM314	Instrumental Analysis	Autumn	8
CHEM327	Environmental Chemistry	Autumn	8
ENVE221	Air and Noise Pollution	Spring	6
EESC204	Introductory Spatial Science	Spring	6
Options: plus 2-3 of the following as approved to total a minimum of 48 cp			
ENVE321	Solid and Hazardous Waste Management	Spring	6
ENVE385	Environmental Engineering	Autumn	8
ENVI411	Aqueous and Atmospheric Chemistry	Autumn	6
PHYS305	Quantum Mechanics	Autumn	6
PHYS335	Classical Mechanics	Autumn	6
PHYS325	Electromagnetism	Autumn	6
CHEM364	Molecular Structure & Spectroscopy	Autumn	8

Honours

Students who have achieved the required standard would be eligible to enrol in Honours in their chosen discipline: Biological Sciences, Geosciences or Chemistry.

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinator is Professor John Morrison, Room 19.G012

Bachelor of Science (Land and Heritage Management)

Testamur Title of Degree:	Bachelor of Science (Land and Heritage Management)
Abbreviation:	BSc(L&HM)
Home Faculty:	Science
Duration:	3 years
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn of Spring
Standard Course Fee:	HECS (local); $8,900 per session (international)
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757621
CRICOS Code:	003283D

Overview

This specialist program combines Physical and Human Geography with other relevant subjects to provide the skills and knowledge required for employment or research on both cultural and natural heritage issues.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 78 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Four units of science or four units comprising science and mathematics. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects (by year)		Session	Credit Points
First Year			
Core			
EESC102	Earth Environments and Resources	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
EESC104	The Human Environment: Problems & Change	Spring	6
MATH151	General Mathematics 1A (if required)†	Autumn or Summer	6
Options			
EESC101	Planet Earth	Autumn	6
BIOL104	Evolution, Biodiversity & Environment	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
Plus other elective subjects to total 48 credit points. Students are encouraged to select from the General Schedule offerings in History, Aboriginal Studies, STS and Legal Studies			
† required if entering the program without at least HSC Mathematics Band 4 or equivalent			
Second Year			
Core			
EESC204	Introductory Spatial Science	Spring	6
EESC210	Social Spaces: Rural and Urban	Spring	6
EESC203	Biogeography & Environmental Change	Autumn	6
EESC208	Environmental Impact of Societies	Spring	6
Plus at least TWO subjects chosen from			

Options			
EESC202	Soils, Landscape and Hydrology	Spring	6
EESC206	Discovering Down-under: a Geography of Australia	Spring	6
EESC205	Population Studies	Autumn	6
BIOL251	Principles of Ecology and Evolution	Autumn	6
Plus elective subjects to total 12 credit points			

Third Year			
Core			
EESC308	Environmental and Heritage Management	Spring	8
EESC307	Spaces, Places and Identities	Autumn	8
EESC304	Geographic Information Systems	Spring	8
Options	*Plus THREE of the following*		
EESC302	Coastal Environments: Process & Management	Spring	8
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
EESC305	Remote Sensing of the Environment	Autumn	8
EESC300	Directed Studies in Earth and Environmental Sciences	Autumn or Spring	8

Honours

Students with a good academic record, particularly in third year are encouraged to proceed to the Honours year in the discipline of their major. The Honours year is a fourth year of study that provides a training in independent research.

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Course Coordinator is Associate Professor Lesley Head, School of Earth and Environmental Sciences, Room 41.G31.

Bachelor of Science (Medicinal Chemistry)

Testamur Title of Degree:	Bachelor of Science (Medicinal Chemistry)
Abbreviation:	BSc (Med Chem)
Home Faculty:	Science
Duration:	3 years
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $8,900 per session (international)
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757624
CRICOS Code:	003283D

Overview

Medicinal Chemistry is a three-year degree which provides students with an excellent training in modern techniques of chemical science applied to medicine. This includes specialised courses in drug discovery and design, using both rational, computer-aided and bioprospecting approaches. It also gives students the training in physiology, pharmacology and other areas needed to understand the effects of disease states on the human body and the role of drugs and other ways of chemical intervention. Students who meet the criteria are eligible to transfer to the Bachelor of Medicinal Chemistry Honours program.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Chemistry and Mathematics. Students who had not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics (Band 4) may take a special mathematics subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects		Session	Credit Points
First Year			
CHEM101	Chemistry 1A (or CHEM104 Chemistry 1D)	Autumn	6
CHEM102	Chemistry 1B (or CHEM105 Chemistry 1E)	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity & Environment	Autumn	6
or			
BMS103	Human Growth, Nutrition & Exercise	Autumn	6
BMS112	Human Physiology I: Principles & Systems	Spring	6
MATH151	General Mathematics 1A (if required)	Autumn/Summer	6
Plus other elective subjects to give a total credit point value of 48, at least 6 of which should be one of the following:			
BMS101	Systemic Anatomy	Autumn	6
PHYS131	Physics for Environmental & Life Sciences (Strongly recommended)	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
Second Year			
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical & Environmental Chemistry II	Spring	6
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
Plus one of the following subjects			
CHEM215	Food Chemistry	Autumn	6
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
Third Year			
CHEM320	Bioinformatics: From genome to structure	Spring	8
CHEM321	Organic Synthesis & Reactivity	Spring	8
CHEM330	Medicinal Chemistry	Spring	8
CHEM350	Principles of Pharmacology	Autumn	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
Plus one of the following subjects:			
CHEM314	Instrumental Analysis	Autumn	8
CHEM340	Chemistry Laboratory Project (restricted access: Credit average minimum requirement)		8
BIOL320	Molecular Cell Biology	Spring	8

Honours

If the required academic standard is attained the BSc(Medicinal Chemistry) student may transfer to the BMedicinal Chemistry fourth Honours year. This consists of special coursework plus a research project.

Professional Recognition

This degree structure is designed basically to meet the qualifying standards of the Royal Australian Chemistry Institute, and students meeting the course requirements outlined below will be eligible for corporate membership of the Institute as Chartered Chemists.

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinator is Dr Paul Keller, Room 18.222, telephone: 4221 4692, email: keller@uow.edu.au

Bachelor of Science (Nanotechnology)

Testamur Title of Degree:	Bachelor of Science (Nanotechnology)
Abbreviation:	BSc (Nanotech)
Home Faculty:	Science
Duration:	3 years
Total Credit Points:	144
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $8,900 per session (international)
Location:	Wollongong
UOW Course Code:	742
UAC Code:	757627
CRICOS Code:	003283D

Overview

This 3 year coursework interdisciplinary degree in Nanotechnology is a joint offering from the Faculties of Engineering and Science. The degree targets the emerging field of nano-materials, molecular machines and nano-science.

The course will draw on strengths in the Faculties of Science and Engineering and a major strength in research at UoW, namely the 3 materials based Institutes: Intelligent Polymer Research Institute, Institute for Superconducting and Electronic Materials, BHP Steel Institute as well as Research Centre for Advanced Materials and Processing. One of the main aims is to produce high quality graduates to feed into post-graduate programs within the Materials Institutes and other research units at UOW.

This course has a materials chemistry focus with possible elective subjects in physics, engineering (eg. mechatronics) and biology. There is a total of 5 elective subjects giving students scope to match the course to their interests whilst retaining a core focus on molecular design and characterization of materials at the nano-dimension. The course includes four specially designed subjects that will be mainly research oriented and combine lectures, laboratory and project work. This will give students from first year onwards a taste of where leading research in nanotechnology is heading. The research units will contribute significantly to these new subjects.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Chemistry or Physics and Mathematics. Students who have not completed Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

This is a prescribed program of study comprising core and optional subjects as set out below.

Course Program

Subjects		Session	Credit Points
First Year			
CHEM101/CHEM104	Introductory Chemistry	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
MATH187/MATH141	General Mathematics 1A Part 1	Autumn	6
NANO101	Current Perspectives in Nanotechnology	Autumn	6
CHEM102/CHEM105	Physical/Organic Chemistry	Spring	6
ENGG153	Engineering Materials	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
Second Year			
CHEM212	Organic Chemistry II	Autumn	6
MATE201	Structure and Properties of Materials	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
NANO201	Research Topics in Nanotechnology	Spring	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM211	Inorganic Chemistry II	Spring	6
Plus two of the following electives:			
Materials Chemistry Stream			
CHEM214	Analytical and Environmental Chemistry	Spring	6
MATE204	Mechanical Behaviour	Spring	6
MATE291	Engineering Computing and Laboratory Skills	Autumn	6
Physics Stream			

MATH283	Mathematics for Engineers 2A	Autumn	6
PHYS263	Photonics		6
Mechatronics Stream			
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design for Innovation	Autumn	6
Other subject options			
BIOL103	Molecules, Cells and Organisms	Spring	6

Third Year

CHEM364	Molecular Structure and Spectroscopy	Autumn	8
MATE202	Thermodynamics and Phase Equilibria	Autumn	6
NANO301	Research Project in Nanomaterials	Autumn	8
CHEM301	Advanced Materials and Nanotechnology	Spring	8
MATE303	Ceramics, Glasses and Refractories	Spring	6
Plus two electives			
Materials Chemistry Stream			
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
MATE301	Engineering Alloys	Autumn	6
MATE306	Degradation of Materials	Spring	6
Physics Stream			
PHYS305	Quantum Mechanics	Autumn	6
PHYS363	Advanced Photonics		6
Mechatronics Stream			
ENGG251	Mechanics of Solids	Autumn	6
MECH215	Fundamentals of Machine Component Design	Spring	6
Other subject options			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	Metabolic Biochemistry	Spring	6

Honours

If the required academic standard is attained the BSc(Nanotechnology) student may transfer to the Bachelor of Nanotechnology fourth Honours year. This consists of special coursework plus a research project.

Professional Recognition

Students may choose options enabling them to graduate and be eligible for accreditation with the Royal Australian Chemical Institute (RACI).

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinators are Associate Professor Will Price, Room 18.102A, and Associate Professor Geoff Spinks, Room 41a.271.

Bachelor of Marine Science
Bachelor of Marine Science Advanced (Honours)

Testamur Title of Degree:	Bachelor of Marine Science, Bachelor of Marine Science Advanced (Honours)
Abbreviation:	BMarSc, BMarSc Adv (Hons)
Home Faculty	Science
Duration:	3 years, 4 years
Total Credit Points:	144 or 192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (LOCAL); $8,900 per session (international)
Location:	Wollongong
UOW Course Code:	789, 789A
UAC Code:	757622, 757623
CRICOS Code:	039553A

Overview

The Bachelor of Marine Science is a 3-year coursework program with a broad emphasis on the marine sciences taught jointly by the School of Biological Sciences and the School of Earth and Environmental Sciences. The program consists of core subjects in each of the three years plus a flexible range of optional subjects. At Second Year students choose either a single strand in Marine Biology or Marine Geosciences or a combination of these specialisations. Subjects from across the range of relevant disciplines have been included together with a number of specially-designed marine subjects.

Entry Requirements / Assumed Knowledge

Bachelor of Marine Science (789): New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Marine Science Honours Advanced (789A): New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Chemistry and Mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

Bachelor of Marine Science (789): This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Marine Science (Honours) Advanced (789A): Students who are eligible for this degree fulfil all the same requirements as Bachelor of Marine Science candidates but are also eligible for additional benefits and challenges, and proceed directly to a fourth Honours year. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects		Session	Credit Points
Common First Year			
Core			
EESC102	Earth Environments and Resources	Spring	6
EESC103	Landscape Change and Climatology	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity & Environment	Autumn	6
CHEM101/4	Chemistry 1A/D	Autumn	6
CHEM102/5	Chemistry 1B/E	Spring	6
MATH151	General Mathematics (required if entering the program without at least HSC Mathematics Band 4)	Autumn, Summer	6
Options			
Select one or two of the following:			
STAT252	Statistics for the Natural Sciences	Spring	6
EESC101	Planet Earth	Autumn	6
EESC104	The Human Environment	Spring	6
PHYS233	Introduction to Environmental Physics	Autumn	6
STS112	The Scientific Revolution: History, Philosophy and Politics of Science	Spring	6
STS116	Environment in Crisis: Technology & Society	Spring	6

MATH111	Applied Mathematical Modelling I	Spring	6
MGMT110	Introduction to Management	Autumn, Spring	6

Or 1-2 elective 100 or 200 level subjects chosen from the Science or General Schedule

At Second Year students choose either a single strand in **Marine Biology** or **Marine Geosciences** or a combination of these specialisations. Any variations on the strands and pathways listed below requires approval by the degree coordinator. Note that optional subjects selected in Year 2 must be chosen to satisfy prerequisites required for Year 3 subjects.

Second Year	**Marine Biology Strand – Marine Ecology Pathway**		
Core			
MARE200	Introduction to Oceanography	Autumn	6
EESC204	Introductory Spatial Science	Spring	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology & Evolution	Autumn	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
Options:			
Plus 1 of the following two subjects			
EESC201	Earth Surface Processes and Products	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6
Plus 1 of the following three subjects			
CHEM214	Analytical and Environmental Chemistry	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology (Summer Session)	Summer	6
Third Year			
Core			
MARE300	Fisheries and Aquaculture	Spring	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8
Options			
Plus 1 or the following three subjects			
EESC305	Remote Sensing of the Environment	Autumn	8
MARE393	Advanced Marine Science Project	Autumn, Spring, Summer	8
STAT355	Sample Surveys and Experimental Design (with project)	Autumn, Spring	8
Plus 1 of the following five subjects			
EESC302	Coastal Environments: Process & Management	Spring	8
EESC304	Geographic Information Science	Spring	8
MARE393	Advanced Marine Science Project	Autumn, Spring	8
MARE357	Advances in Molluscan Biology (Summer Session)	Summer	8
MARE393	Advanced Marine Science Project (Summer Session)	Summer	8

Second Year	**Marine Biology Strand – Biotechnology Pathway**		
Core			
MARE200	Introduction to Oceanography	Autumn	6
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
BIOL251	Principles of Ecology & Evolution	Autumn	6
BIOL240	Functional Biology of Plants and Animals	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
Third Year			
Core			
MARE300	Fisheries and Aquaculture	Spring	8
BIOL355	Marine and Terrestrial Ecology	Spring	8
Options			
Plus three of the following four subjects			
BIOL303	Biotechnology: Applied Cell and Molecular Biology	Autumn	8
BIOL320	Molecular Cell Biology	Autumn	8
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8
Plus one of the following five subjects			
BIOL321	Cellular and Molecular Immunology	Spring	8
CHEM320	Bioinformatics: from genome to structure	Spring	8
MARE393	Advanced Marine Science Project	Autumn, Spring	8
MARE357	Advances in Molluscan Biology (Summer Session)	Summer	8
MARE393	Advanced Marine Science Project (Summer Session)	Summer	8

Second Year	Marine Geosciences Strand		
Note: It is possible to take a double major (Marine Biology-Marine Geosciences in the Marine Geosciences Strand.			
BIOL251	Principles of Ecology & Evolution	Autumn	6
EESC201	Earth Surface Processes and Products	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6
MARE200	Introduction to Oceanography	Autumn	6
BIOL241	Biodiversity: Classification and Sampling	Spring	6
EESC204	Introductory Spatial Science	Spring	6
STAT252	Statistics for the Natural Sciences	Spring	6
Plus one of the following three subjects			
CHEM214	Analytical and Environmental Chemistry	Spring	6
EESC208	Environmental Impact of Societies	Spring	6
EESC250	Field Geology (Summer Session)	Summer	6
Third Year			
EESC305	Remote Sensing of the Environment	Autumn	8
EESC302	Coastal Environments: Process & Management	Spring	8
Plus two of the following four subjects			
BIOL351	Conservation Biology: Marine and Terrestrial Populations	Autumn	8
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
MARE393	Advanced Marine Science Project	Autumn, Spring	8
Plus two of the following eight subjects			
BIOL355	Marine and Terrestrial Ecology	Spring	8
EESC304	Geographic Information Science	Spring	8
EESC306	Resources and Environments	Spring	8
EESC308	Environmental and Heritage Management	Spring	8
MARE300	Fisheries and Aquaculture	Spring	8
MARE393	Advanced Marine Science Project	Autumn, Spring	8
MARE357	Advances in Molluscan Biology	Summer	8
MARE393	Advanced Marine Science Project	Summer	8

Honours

Students may apply to enrol in an Honours degree, Bachelor of Marine Science (Honours) (789M) after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is normally an average of at least credit level for the 300-level subjects in the major study. Admission to Honours is by recommendation of the degree Coordinator and approval of the Dean or Associate Dean.

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/biol/marine/index.html

The Coordinator is Associate Professor Chris Fergusson, Room 41.107, telephone 4221 3860, email: cferguss@uow.edu.au

Bachelor of Marine Science (Honours)

Testamur Title of Degree:	Bachelor of Marine Science (Honours)
Abbreviation:	BMarSc(Hons)
Home Faculty:	Science
Duration:	1 year
Total Credit Points:	48
Delivery Mode:	Flexible
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $9,200 per session (international)
Location:	Wollongong
UOW Course Code:	789M
UAC Code:	N/A
CRICOS Code:	048494K

Overview

Students who have fulfilled the requirements of a Bachelor of Marine Science, and achieved the required academic standard, may undertake an Honours degree – a year of research training in the discipline.

The honours degree provides you with the first real opportunity to undertake research on a topic of your interest.

The honours year is particularly important as it represents a gateway to future research opportunities, both in the form of higher research degrees and as a career in research, or other vocations that require advanced analytical and research skills.

Entry Requirements / Assumed Knowledge

Students may apply to enrol in an Honours degree after the requirements of the pass degree have been fulfilled, normally at the prescribed academic standard. This standard is usually an average of at least credit level for the 300-level subjects in the major study. Admission to Honours is by recommendation of the relevant Head of the Academic Unit and approval by the Dean or Associate Dean of the Faculty, and acceptance by an academic supervisor in the discipline.

By arrangement with the academic units involved, it is possible to undertake Joint Honours, a research thesis spanning two disciplines.

Students proceeding directly from a 3-year degree to Honours do not graduate until after they have completed Honours. However, it is possible to graduate with a Pass Degree and then decide to undertake Honours at a later date, either at this University or at another University. Graduates from other Universities may also apply to undertake Honours at the University of Wollongong.

Course Requirements

To graduate with a Bachelor of Marine Science Honours degree, candidates undertake a Marine Science research thesis together with any other required assignments and seminars.

Students enrol in the appropriate 400-level Honours subject, as follows.

Course Program

Subjects		Session	Credit Points
Marine Science Honours			
MARE401	Marine Science Honours	Annual	48

Other Information

For further information contact the Head of the Academic Unit in the particular discipline, or the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

Marine Science Honours Coordinator: Associate Professor Chris Fergusson, Room 41.107, telephone 4221 3860, email cferguss@uow.edu.au

Bachelor of Biotechnology, Bachelor of Biotechnology Advanced

Testamur Title of Degree:	Bachelor of Biotechnology, Bachelor of Biotechnology Advanced
Abbreviation:	BBiotech, BBiotech Adv
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn
Standard Course Fee:	HECS (local); $9,200 per session (international)
Location:	Wollongong
UOW Course Code:	744, 744A
UAC Code:	757611, 757617
CRICOS Code:	006975G

Overview

Biotechnology is the application of exciting advances in molecular and cell biology to medicine, agriculture, and the environment. Through modern technologies, such as genetic engineering, biotechnology is shaping diverse aspects of medicine (cancer, vaccines, therapy and diagnosis of genetic diseases), food production (transgenic plants) and industry (bioremediation).

Biotechnology encompasses the rapidly evolving fields of monoclonal antibody technology, proteomics and genetic engineering. A new generation of pharmaceuticals, vaccines, hormones and anti-inflammatory agents are being developed using these technologies.

The degree is an interdisciplinary program featuring:

- A major in cellular and molecular biology, including genetics, immunology, bioinformatics
- A major strand of chemistry
- Skills in "state-of-the-art" nucleic acid, protein and monoclonal antibody technologies
- An optional strand in human anatomy and physiology
- Other relevant areas such as ethics and management
- The flexibility in first year to explore other options
- Specialised training in "cutting-edge" technologies in the fourth year
- Your own research project (4th year Honours)

Entry Requirements / Assumed Knowledge

Bachelor of Biotechnology (744): New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Biotechnology Advanced (744A): New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Chemistry and Mathematics. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

Bachelor of Biotechnology: This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Biotechnology Advanced: Students who are eligible for this degree fulfil all the same requirements as Bachelor of Biotechnology candidates but are also eligible for additional benefits and challenges. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Progression requirements: Students must satisfactorily complete at least 144 credit points before proceeding to enrol in fourth year subjects. In addition, satisfactory performance must be achieved (an average of 65% or greater in 300-level Biological Sciences, Chemistry and Biomedical Science subjects) for entry into the 4th year of the Bachelor of Biotechnology degree. Students with an average below 65% in 300-level Biological Sciences, Chemistry and Biomedical Science subjects may only progress into the 4th year of the Bachelor of Biotechnology with the approval of the Head of the Department of Biological Sciences. Students who do not gain entry into the 4th year of the Bachelor of Biotechnology degree will normally be required to transfer into the Bachelor of Science (Biotechnology) degree.

Course Program

Subjects		Session	Credit Points
First Year			
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity and Environment	Autumn	6
CHEM101/104	Chemistry 1A/1D	Autumn	6
CHEM102/105	Chemistry 1B/1E	Spring	6
MATH151	General Mathematics A (if required)	Autumn or Summer	6
Plus other elective subjects to give a total credit point value of 48, at least 6 of which should be one of the following:			
PHYS132*	Physics for the Environmental and Life Sciences	Spring	6
STS100#	Social Aspects of Science and Technology	Autumn	6
BMS101	Systemic Anatomy	Autumn	6
BMS112	Human Physiology I: Principles and Systems	Spring	6

* Strongly recommended

STS100 is compulsory for those students taking an approved course of study which does not include STS250.

Second Year			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry or Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BIOL240	Functional Biology of Plants & Animals	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
CHEM212	Organic Chemistry	Autumn	6
CHEM214	Analytical & Environmental Chemistry II	Spring	6
Plus one of the following subjects:			

STS250	From Molecular Genetics to Biotechnology	Autumn	8
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
Third Year			
BIOL303	Biotechnology: Applied Cell & Molecular Biology	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
BIOL320	Molecular Cell Biology	Autumn	8
BIOL321	Cellular and Molecular Immunology	Spring	8
Plus one Session 1 subject chosen from the following:			
CHEM350	Principles of Pharmacology	Autumn	8
BIOL332	Ecological & Evolutionary Physiology	Autumn	8
BIOL392	Advanced Biology Project	Autumn, Spring or Summer	8
MGMT310	Introduction to Management for Professionals B	Autumn	8
BMS344	Cardiorespiratory Physiology	Autumn	8
Plus one Session 2 subject chosen from the following:			
CHEM321	Organic Synthesis and Reactivity	Spring	8
BIOL392	Advanced Biology Project	Autumn, Spring or Summer	8
PHIL380	Bioethics	Spring	8
Fourth Year			
BIOL420	Cell, Protein and Antibody Technology	Autumn	12
BIOL421	Nucleic Acid Technology	Autumn	12
BIOL422	Biotechnology Project	Spring	24

Honours

The Degree of Bachelor of Biotechnology (Honours) is awarded for meritorious performance in 3rd and especially 4th year subjects.

Please note: There are special requirements for progression to the fourth year. Refer to the section "Course Requirements" above.

Professional Recognition

Graduates qualify to apply for membership of the Australian Institute of Biology, the Australian Society of Microbiology and the Australian Biotechnology Society.

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

Or for more detailed course information contact the Professional Officer, Julie-Ann Green, telephone: 4221 3100, email: jagreen@uow.edu.auThe Coordinator of the degree is Associate Professor Mark Wilson – School of Biological Sciences.

Bachelor of Environmental Science,
Bachelor of Environmental Science Advanced

Testamur Title of Degree:	Bachelor of Environmental Science, Bachelor of Environmental Science Advanced
Abbreviation:	BEnvSc, BEnvSc Adv
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192 credit points
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or spring
Standard Course Fee:	HECS (local); $9,200 per session (international)
Location:	Wollongong
UOW Course Code:	746, 746A
UAC Code:	757612, 757618
CRICOS Code:	002256D

Overview

The Bachelor of Environmental Science is a specialist degree designed to give students the knowledge and skills required to manage environmental issues confronting Australia and other countries. This degree aims to provide a broadly-based scientific education with a multidisciplinary approach to problem solving, covering all the principal sciences: biology, chemistry, geography, geology and physics, together with mathematics and statistics.

In addition, the program integrates material from a wide variety of disciplines relevant to the environment and its management: engineering, management, law, science and technology studies, and philosophy. This equips students to understand the ethical, social, economic and political aspects of environmental issues as well as to be able to work alongside engineers, lawyers and other professionals

Entry Requirements / Assumed Knowledge

Bachelor of Environmental Science: New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Environmental Science Advanced: New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Mathematics plus Biology or Chemistry. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics (Band 4) may take a special mathematics subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

Bachelor of Environmental Science (746): This is a prescribed program of study comprising core and optional subjects, as set out below.

Bachelor of Environmental Science Advanced (746A): Students who are eligible for this degree fulfil all the same requirements as Bachelor of Environmental Science candidates but are also eligible for additional benefits and challenges. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects		Session	Credit Points
Common First Year			
BIOL104	Evolution, Biodiversity & Environment	Autumn	6
CHEM101/4	Chemistry 1A/D	Autumn	6
EESC101	Planet Earth	Autumn	6
EESC103	Landscape Change and Climatology	Autumn	6
BIOL103	Molecules, Cells and Organisms	Spring	6
CHEM102/5	Chemistry 1B/E	Spring	6
EESC102	Earth Environments and Resources	Spring	6
EESC104	The Human Environment: Problems and Change	Spring	6
MATH151	General Mathematics 1A (If required)	Summer	6
Common Second Year			
BIOL251	Principles of Ecology and Evolution	Autumn	6
PHYS233	Introduction to Environmental Physics	Autumn	6
PHIL256	Ethics and the Environment	Autumn	6
EESC203	Biogeography and Environmental Change	Autumn	6

STAT252	Statistics for the Natural Sciences	Spring	6
CHEM214	Analytical and Environmental Chemistry	Spring	6
EESC202	Soils, Landscape and Hydrology	Spring	6
EESC204	Introductory Spatial Science	Spring	6

NB: For students who select the Life Sciences Strand early in 2nd Year, an alternative program is available that substitutes BIOL241 Biodiversity: Classification and Sampling for EESC204 Introductory spatial Science in Spring Session of the 2nd Year.

3rd and 4th Year – Specialisation in one of four strands:

(1) Land Resources
(2) Earth Sciences
(3) Life Sciences
(4) Environmental Chemistry

Third Year Land Resources Strand

EESC303	Fluvial Geomorphology and Sedimentology	Autumn	8
STS300	The Environmental Context	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
EESC208	Environmental Impact of Societies	Spring	6
EESC302	Coastal Environments	Spring	8
Plus TWO subjects from the following:			
EESC201	Earth Surface Processes and Products	Autumn	6
EESC206	Discovering Down-Under	Spring	6
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment**	Autumn	8

***Not to count with GEOS239*

Third Year Earth Sciences Strand

EESC201	Earth Surface Processes and Products	Autumn	6
EESC301	Plate Tectonics, Macrotopography and Earth History	Autumn	8
STS300	The Environmental Context	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
EESC306	Resources and Environments	Spring	8
EESC250	Field Geology	Summer	6
Plus ONE subject from the following:			
EESC208	Environmental Impact of Societies	Spring	6
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment**	Autumn	8

***Not to count with GEOS239*

Third Year Life Sciences Strand

BIOL240	Functional Biology of Plants and Animals	Autumn	6
STS300	The Environmental Context	Autumn	8
BIOL351	Conservation Biology	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
BIOL356	Marine and Terrestrial Ecology	Spring	8
BIOL241	Biodiversity: Classification and Sampling	Spring	6
Plus ONE subject from the following:			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL212	Introductory Microbiology and Immunology	Autumn	6
EESC304	Geographic Information Science	Spring	8
EESC305	Remote Sensing of the Environment**	Autumn	8
BIOL332	Ecological and Evolutionary Physiology	Autumn	8

Third Year Alternative Life Sciences Strand if selected in 2nd year

BIOL240	Functional Biology of Plants and Animals	Autumn	6
STS300	The Environmental Context	Autumn	8
BIOL351	Conservation Biology	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
BIOL356	Marine and Terrestrial Ecology	Spring	8
EESC204	Introductory Spatial Science	Spring	6
Plus One subject from the following			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL212	Introductory Microbiology and Immunology*	Autumn	6
BIOL332	Ecological and Evolutionary Physiology	Autumn	8
EESC304	Geographic Information Science	Spring	8

**Not offered in 2004*

Third Year Environmental Chemistry Strand

CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM327	Environmental Chemistry	Autumn	8
STS300	The Environmental Context	Autumn	8
ENVI491	Environmental Science and Systems	Spring	8
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
Plus One subject from the following			

CHEM320	Bioinformatics: From Genome to Structure	Spring	8
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM314	Instrumental Analysis†	Autumn	8

† Students wishing to take CHEM314 should consult the Coordinator of Environmental Science at the start of 3rd year.

Fourth Year – Common for all strands

ENVI403	Research Report	Annual	24
ENVE385	Environmental Engineering	Autumn	8
MGMT308	Introduction to Management for Professionals A	Autumn	6
LAW380	Law for Environmental Managers	Spring	8

Honours

The Degree of Bachelor of Environmental Science (Honours) is awarded for meritorious performance in 3rd & especially 4th year subjects.

Professional Recognition

Graduates are eligible for full membership of the Environment Institute of Australia & New Zealand and other relevant professional bodies depending on their disciplinary orientation.

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au or the Environmental Science Unit, 19.G012, 42214134. Web site: www.uow.edu.au/science/env/ The Degree Coordinator is Professor John Morrison, 19.G012.

Bachelor of Medicinal Chemistry, Bachelor of Medicinal Chemistry Advanced

Testamur Title of Degree:	Bachelor of Medicinal Chemistry, Bachelor of Medicinal Chemistry Advanced
Abbreviation:	BMedChem, BMedChem Adv
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $9,200 per session (international)
Location:	Wollongong
UOW Course Code:	755, 755A
UAC Code:	757613, 757619
CRICOS Code:	016113D

Overview

Medicinal Chemistry is a specialist four-year Honours degree which provides students with an excellent training in modern techniques of chemical science applied to medicine. This includes specialised courses in drug discovery and design, using both rational, computer-aided and bioprospecting approaches. It also gives students the training in physiology, pharmacology and other areas needed to understand the effects of disease states on the human body and the role of drugs and other ways of chemical intervention. Students not admitted directly into the program may gain admission via the BSc program subject to satisfactory performance in first year, prerequisite considerations, and approval of the Dean.

The fourth year Honours program gives students exposure to advanced medicinal chemistry laboratory techniques, research experience and training in advanced medicinal chemistry applications.

Entry Requirements / Assumed Knowledge

Bachelor of Medicinal Chemistry (755): New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Medicinal Chemistry Advanced (755A): New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Chemistry and Mathematics. Students who had not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics (Band 4) may take a special mathematics subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

Bachelor of Medicinal Chemistry (755): This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Medicinal Chemistry Advanced (755A): Students who are eligible for this degree fulfil all the same requirements as Bachelor of Medicinal Chemistry candidates but are also eligible for additional benefits and challenges. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects		Session	Credit Points
First Year			
CHEM101	Chemistry 1A	Autumn	6
CHEM102	Chemistry 1B	Spring	6
BIOL103	Molecules, Cells and Organisms	Spring	6
BIOL104	Evolution, Biodiversity & Environment	Autumn	6
or			
BMS103	Human Growth, Nutrition & Exercise	Autumn	6
BMS101	Systemic Anatomy	Autumn	6
STAT252	Statistics for the Natural Sciences	Spring	6
BMS112	Human Physiology I: Principles & Systems	Spring	6
MATH151	General Mathematics 1A (if required)	Autumn or Summer	6
or			
PHYS131	Physics for Environmental & Life Sciences	Autumn	6
Second Year			
CHEM211	Inorganic Chemistry II	Autumn	6
CHEM212	Organic Chemistry II	Autumn	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM214	Analytical & Environmental Chemistry II	Spring	6
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	The Biochemistry of Energy and Metabolism	Spring	6
BIOL215	Introductory Genetics	Spring	6
BMS202	Human Physiology II: Control Mechanisms	Autumn	6
Third Year			
CHEM320	Biological Chemistry	Spring	8
CHEM321	Organic Synthesis & Reactivity	Spring	8
CHEM330	Medicinal Chemistry	Spring	8
CHEM350	Principles of Pharmacology	Autumn	8
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
BIOL320	Molelcular Cell Biology	Autumn	8
Fourth Year			
CHEM440	Selected Topics in Medicinal Chemistry	Annual	16
CHEM460	Medicinal Chemistry Project	Annual	32

*Restricted access: Credit average minimum entry requirement

Honours

The Degree of Bachelor of Medicinal Chemistry (Honours) is awarded for meritorious performance in 3rd and especially 4th year subjects.

Professional Recognition

Accreditation by the Royal Australian Chemical Institute.

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinator is Dr Paul Keller, Room 18.222, telephone: 4221 4692, email: keller@uow.edu.au

Bachelor of Nanotechnology, Bachelor of Nanotechnology Advanced

Testamur Title of Degree:	Bachelor of Nanotechnology, Bachelor of Nanotechnology Advanced
Abbreviation:	B Nanotech, B Nanotech Adv
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $9,200 per session (international)
Location:	Wollongong
UOW Course Code:	846, 846A
UAC Code:	757625, 757626
CRICOS Code:	-

Overview

This interdisciplinary degree in Nanotechnology is a joint offering from the Faculties of Engineering and Science. The degree targets the emerging field of nano-materials, molecular machines and nano-science.

There is a total of 5 elective subjects giving students scope to match the course to their interests whilst retaining a core focus on molecular design and characterization of materials at the nano-dimension. The course includes four specially designed subjects that will be mainly research oriented and combine lectures, laboratory and project work. This will give students from first year onwards a taste of where leading research in nanotechnology is heading.

Entry Requirements / Assumed Knowledge

Bachelor of Nanotechnology (846): New South Wales HSC University Admission Index (UAI) of 85 (or equivalent). The UAI is reviewed each year.

Bachelor of Nanotechnology Advanced (846A): New South Wales HSC University Admission Index (UAI) of 90 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Chemistry or Physics and Mathematics. Students who have not completed Chemistry at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

Bachelor of Nanotechnology (846): This is a prescribed program of study comprising core and optional subjects as set out below.

Bachelor of Nanotechnology Advanced (846A): Students who are eligible for this degree fulfil all the same requirements as Bachelor of Nanotechnology candidates but are also eligible for additional benefits and challenges. For further information refer to the Bachelor of Science (Honours) Advanced (741A) and consult the Degree Coordinator.

Course Program

Subjects		Session	Credit Points
First Year			
CHEM101/CHEM104	Introductory Chemistry	Autumn	6
PHYS141	Fundamentals of Physics A	Autumn	6
MATH187/MATH141	General Mathematics 1A Part 1	Autumn	6
NANO101	Current Perspectives in Nanotechnology	Autumn	6
CHEM102/CHEM105	Physical/Organic Chemistry	Spring	6
ENGG153	Engineering Materials	Spring	6
PHYS142	Fundamentals of Physics B	Spring	6
MATH188	Mathematics 1A Part 2	Spring	6
Second Year			
CHEM212	Organic Chemistry II	Autumn	6
MATE201	Structure and Properties of Materials	Autumn	6
PHYS205	Advanced Modern Physics	Autumn	6
NANO201	Research Topics in Nanotechnology	Spring	6
CHEM213	Molecular Structure, Reactivity and Change	Spring	6
CHEM211	Inorganic Chemistry II	Spring	6
Plus two of the following electives:			

Materials Chemistry Stream

CHEM214	Analytical and Environmental Chemistry	Spring	6
MATE204	Mechanical Behaviour	Spring	6
MATE291	Engineering Computing and Laboratory Skills	Autumn	6
Physics Stream			
MATH283	Mathematics for Engineers 2A	Autumn	6
PHYS263	Photonics		6
Mechatronics Stream			
ENGG152	Engineering Mechanics	Spring	6
ENGG154	Engineering Design for Innovation	Autumn	6
Other subject options			
BIOL103	Molecules, Cells and Organisms	Spring	6
Third Year			
CHEM364	Molecular Structure and Spectroscopy	Autumn	8
MATE202	Thermodynamics and Phase Equilibria	Autumn	6
NANO301	Research Project in Nanomaterials	Autumn	8
CHEM301	Advanced Materials and Nanotechnology	Spring	8
MATE303	Ceramics, Glasses and Refractories	Spring	6
Plus two electives			
Materials Chemistry Stream			
CHEM321	Organic Synthesis and Reactivity	Spring	8
CHEM314	Instrumental Analysis	Autumn	8
CHEM320	Bioinformatics: From Genome to Structure	Spring	8
MATE301	Engineering Alloys	Autumn	6
MATE306	Degradation of Materials	Spring	6
Physics Stream			
PHYS305	Quantum Mechanics	Autumn	6
PHYS363	Advanced Photonics		6
Mechatronics Stream			
ENGG251	Mechanics of Solids	Autumn	6
MECH215	Fundamentals of Machine Component Design	Spring	6
Other subject options			
BIOL213	Principles of Biochemistry	Autumn	6
BIOL214	Metabolic Biochemistry	Spring	6
Fourth Year			
MATE302	Polymeric Materials	Autumn	6
MATE411	Advanced Materials	Autumn	6
NANO401	Major Project Thesis in Nanotechnology	Annual	24
MATE412/PHYS396	Electronic Materials	Spring	6
Plus one elective from the General Schedule			*6*

Honours

The Degree of Bachelor of Nanotechnology (Honours) is awarded for meritorious performance in 3rd and especially 4th year subjects.

Professional Recognition

Students may choose options enabling them to graduate and be eligible for accreditation with the Royal Australian Chemical Institute (RACI).

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinators are Associate Professor Will Price, Room 18.102A, and Associate Professor Geoff Spinks, Room 41a.271, telephone 4221 3010.

Bachelor of Mathematical Sciences

Testamur Title of Degree:	Bachelor of Mathematical Sciences
Abbreviation:	BMathSc
Home Faculty:	Science
Duration:	4 years
Total Credit Points:	192
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $9,200 per session (international)
Location:	Wollongong
UOW Course Code:	764
UAC Code:	756501
CRICOS Code:	017731C

Overview

The Bachelor of Mathematical Sciences is an interdisciplinary degree involving subjects offered by the Faculties of Informatics and Science. It emphasises the relationship between mathematics and science and is designed to produce a multi-skilled graduate with a broad knowledge base.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Any two units of English plus Mathematics

Course Requirements

To qualify for the award of the degree of Bachelor of Mathematical Sciences a candidate shall satisfactorily complete the requirements of one of the following five prescribed strands:

Mathematics-Statistics/Science,
Mathematics/Ecology,
Mathematics/Geoscience,
Statistics/Ecology and
Statistics/Public Health*

Candidates for the degree of Bachelor of Mathematical Sciences, and taking the Mathematics-Statistics/Science strand, must, in addition to the general requirements, satisfy the following additional requirements:

i) a major study in Mathematics shall be completed satisfactorily;
ii) no more than 66 credit points shall be for 100-level subjects;
iii) for the Non-honours program, at least 60 credit points shall be for 300- and/or 400 -level subjects; and
iv) for the Honours program, at least 72 credit points shall be for 300- and/or 400-level subjects.

The course structure for the Mathematics-Statistics/Science strand is given in detail below. For information on the other possible strands refer to the Faculty of Science Office.

*This strand is currently under review. Please consult the Faculty of Health and Behavioural Sciences.

Honours

In the fourth year students may elect to do an Honours program (which includes a research project) or a Non-honours program. The Degree of Bachelor of Mathematical Sciences (Honours) is awarded for meritorious performance in 3rd & especially 4th year subjects.

Major Study Area

Mathematics-Statistics/Science Strand

Subjects		Session	Credit Points
First Year			
MATH187	Mathematics 1A Part 1	Autumn	6
MATH188	Mathematics 1A Part 2	Spring	6
MATH111	Applied Mathematical Modelling 1	Spring	6
MATH121	Discrete Mathematics	Autumn	6
STAT131	Understanding Variation and Uncertainty	Autumn	6
Plus either			

BUSS111	Business Programming I	Spring or Summer	6
or			
CSCI114	Procedural Programming	Autumn or Spring	6

Plus 12 credit points from 100-level CSCI subjects and/or 100-level BIOL, CHEM, EECS, PHYS, or BMS subjects selected from the Science Schedule and/or the Health and Behavioural Sciences Schedule.

Second Year

MATH201	Multivariate and Vector Calculus	Autumn	6
MATH202	Differential Equations 2	Spring	6
MATH203	Linear Algebra	Autumn	6
ATH204	Complex Variables and Group Theory	Spring	6

Plus at least 6 credit points being one or more of the subjects MATH212, MATH222 or STAT231.
Plus at least 18 credit points selected from STAT232 and 100- or 200-level BIOL, CHEM, EESC, PHYS, or BMS subjects from the Science Schedule and/or the Health and Behavioural Sciences Schedule.

Third Year

At least 30 credit points of 300-level MATH and/or STAT subjects.
Plus at least 18 credit points from 200- or 300-level CSCI subjects and/or 200- or 300-level BIOL, CHEM, EESC, PHYS, or BMS subjects selected from the Science Schedule and/or the Health and Behavioural Sciences Schedule.
Plus (for those planning to proceed to honours in year 4)

STS217	Scientific Revolution: History Philosophy and Politics of Science	Spring	8

Fourth Year (Non Honours Program)

STS217	Scientific Revolution: History Philosophy and Politics of Science	Spring	8

Plus at least 18 credit points from 100- or 200- or 300-level subjects selected from MATH and/or STAT subjects.
Plus at least 18 credit points from 300-level CSCI subjects and/or 300-level BIOL, CHEM, EESC, PHYS, or BMS subjects selected from the Science Schedule and/or the Health and Behavioural Sciences Schedule.
Plus at least 6 credit points for a MATH and/or STAT subject, or for a 300-level CSCI subject, or for a 300-level BIOL, CHEM, EESC, or BMS subject selected from the Science Schedule and/or the Health and Behavioural Sciences Schedule, or for an STS subject from the Arts Schedule.

Fourth Year (Honours Program)

Entry to this program is restricted to candidates who satisfy the pre-requisite for MATH411 or STAT411.
At least 12 credit points of 300- or 400-level subjects selected from MATH and/or STAT subjects, and/or CSCI subjects, and/or BIOL, CHEM, EESC, PHYS, or BMS subjects selected from the Science Schedule and/or the Health and Behavioural Sciences Schedule, but may include one STS subject from the Arts Schedule.
Plus either the following Mathematics subjects:

MATH411	Mathematical Sciences Honours Project A	Annual	12
MATH471	Honours Topics in Mathematics A	Spring/Autumn	6
MATH472	Honours Topics in Mathematics B	Spring/Autumn	6
MATH473	Honours Topics in Mathematics C	Spring/Autumn	6
MATH474	Honours Topics in Mathematics D	Spring/Autumn	6

Or the following Statistics subjects:

STAT411	Mathematical Sciences Honours Project B	Annual	12
STAT471	Honours Topics in Statistics A	Spring/Autumn	6
STAT472	Honours Topics in Statistics B	Spring/Autumn	6
STAT473	Honours Topics in Statistics C	Spring/Autumn	6
STAT474	Honours Topics in Statistics D	Spring/Autumn	6

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinator is the Professor John Morrison, 10.G012.

Bachelor of Science / Bachelor of Arts

Testamur Title of Degree:	Bachelor of Science / Bachelor of Arts
Abbreviation:	BSc-BA
Home Faculty:	Science
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $8,900 per session (international)
Location:	Wollongong
UOW Course Code:	747A
UAC Code:	751801
CRICOS Code:	012098G

Overview

This double degree enables students to undertake comprehensive majors in both Science and Arts.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 78 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Any two units of English plus Mathematics and any four units of science. Students wishing to take these subject and who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

Students must consult both the Faculty of Science and the Faculty of Arts academic advisers about selecting a major study from each Faculty.

The required 216 credit points taken over at least 4 years shall include:

(1) 90 credit points of subjects from the Science Schedule (including a minimum of 60 credit points for a Science specialisation);
(2) the subjects prescribed for one of the majors for the Bachelor of Arts degree; this will include one major study taught by a member unit of the Faculty of Arts or a major in Psychology or Population Health;
(3) not more than 96 credit points for 100-level subjects;

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for entry into either BSc (Honours) or BA (Honours).

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, 41.259.

Bachelor of Science / Bachelor of Commerce

Testamur Title of Degree:	Bachelor of Science / Bachelor of Commerce
Abbreviation:	BSc-BCom
Home Faculty:	Science
Duration:	At least 4 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $8,900 per session (international)
Location:	Wollongong
UOW Course Code:	747C
UAC Code:	751802
CRICOS Code:	028399G

Overview

This double degree enables students to undertake comprehensive majors in both Science and Commerce.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 80 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Any two units of English plus Mathematics and any four units of science. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year. Students without at least Mathematics Band 4 may take a special Maths subject in the first year or consider early entry to complete this subject in Summer Session prior to commencement of the course.

Course Requirements

Students must consult both the Faculty of Science and the Faculty of Commerce academic advisers about selecting a major study from each Faculty.

The double degree consists of a minimum of 216 credit points taken over at least 4 years and shall include:

1. 90 credit points of subjects from the Science Schedule (including a minimum of 60 credit points for a Science major);
2. subjects from the Commerce Schedule, including core subjects that satisfy the requirements of one of the Commerce majors.
3. subjects from the Science, Commerce or General Schedules to ensure that a minimum of 216 credit points have been completed.

Note: Students may be given exemption from a subject when similar subjects exist in both majors selected, eg Statistics.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for either BSc (Honours) or BCom (Honours).

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, 41.259.

Bachelor of Science / Bachelor of Mathematics

Testamur Title of Degree:	Bachelor of Science / Bachelor of Mathematics
Abbreviation:	BSc-BMath
Home Faculty:	Science
Duration:	4.5 years
Total Credit Points:	216
Delivery Mode:	Face-to-face
Starting Session(s):	Autumn or Spring
Standard Course Fee:	HECS (local); $8,900 per session (international)
Location:	Wollongong
UOW Course Code:	794
UAC Code:	Code required for 2005
CRICOS Code:	048495J

Overview

This double degree allows students with a strong Mathematics background to pursue major in an area of Mathematics while at the same time majoring in one of the disciplines offered by the Faculty of Science.

There is potential for students who are well trained in Mathematics/Statistics to excel in core studies in the Science Faculty (for example Geographical Information Systems, Ecology, Biotechnology). Such students would be very competitive in job markets and highly trained to carry out further study in a research degree.

Entry Requirements / Assumed Knowledge

New South Wales HSC University Admission Index (UAI) of 78 (or equivalent). The UAI is reviewed each year.

Assumed knowledge: Two unit Mathematics or higher plus any two units of English, and any two units of Science. Students who have not completed Chemistry and/or Biology at the HSC are strongly recommended to enrol in bridging courses offered in February each year.

Course Requirements

The double degree consists of 216 credit points of which 102 credit points are for Mathematics/Statistics subjects, 90 credit points for Science subjects (including a major), and 24 credit points of elective subjects.

The degree must include:

1. From Science:

24 credit points at 100 level in two discipline areas of Biology, Chemistry or Geosciences
24 credit points at 200 level from at least one major in Biology, Chemistry or Geosciences
24 credit points at 300 level from at least one major in Biology, Chemistry or Geosciences
A total of 60 credit points from a major in Biology, Chemistry or Geosciences
A total of 90 credit points from the Science schedule

2. From Mathematics/Statistics:

MATH187 and MATH188
CSCI114
MATH111 or MATH212
MATH121 or MATH222
STAT131 or STAT231 (to be chosen in consultation with an academic advisor)
MATH201, MATH202, MATH203 and MATH204
MATH212 or MATH222
At least 36 credit points of 300 level mathematics and statistics

3. Not more than 60 credit points can be taken at 100 level

Notes:

1. The subjects MATH302, MATH305, MATH312 and MATH313 are recommended for students majoring in Mathematics but are not compulsory.
2. The subject MATH222 is a prerequisite for the subjects MATH323 and MATH372.
3. The Assoc Dean of Science must approve variations in course structure after consultation with the relevant subject coordinator(s).
4. STAT131 and CSCI114 may be taken in the first year.

5. Students wishing to major in Statistics should complete all the statistics subjects listed in the suggested program of study.
6. STAT131 or STAT231 can be substituted for STAT252, which is required or recommended in some Science majors.
7. Students majoring in Statistics satisfy any requirement for STAT252 in a Science major.

Honours

Students who complete the double degree with the required academic standard in the relevant major are eligible for entry into either BSc (Honours) or BMath (Honours).

Other Information

For further information contact the Faculty of Science Office, 41.258, or telephone 42213481, email patmac@uow.edu.au
Web site: www.uow.edu.au/science/

The Degree Coordinator is the Associate Dean, Associate Professor Ted Bryant, 41.259, telephone 4221 3172, email ebryant@uow.edu.au