

957-AR Bachelor of Engineering (Environmental) and Bachelor of Arts

Year and Campus:	2009
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	
Contact:	<p>Enquiries: Arts & Music Student Centre Rm 104 (Ground Floor) Old Arts Building</p> <p>Location (PDF, 1027kb) (http://www.pb.unimelb.edu.au/CampusMaps/Parkville_P.pdf)</p> <p>Tel: +61 3 8344 5235 Fax: +61 3 9347 0424 Search for an answer or send an email via our queries database: http://arts-unimelb.custhelp.com/ (http://arts-unimelb.custhelp.com/)</p> <p>Engineering Student Centre Ground Floor, Old Engineering Building The University of Melbourne Victoria 3010 AUSTRALIA Tel: +61 3 8344 6703 Fax: +61 3 9349 2182 Email http://eng-unimelb.custhelp.com (Engineering%20Student%20Centre%20%20Ground%20Floor,%20Old%20Engineering%20Building%20The%20University%20of%20Melbourne%20Victoria%203010%20AUSTRALIA%20%20Tel:%20+61%203%208344%206703%20Fax:%20+61%203%209349%202182%20%20Email%20http://eng-unimelb.custhelp.com)</p>
Course Overview:	<p>Students studying the BA/BE degree should consult the BE single degree course structure for a current list of core engineering subjects. The following exceptions are applicable to the BA/BE degree:</p> <ul style="list-style-type: none"> # 620-141 Mathematics A and 620-143 Applied Mathematics may be replaced by 620-121 Mathematics A (Advanced) and 620-123 Applied Mathematics (Advanced) with permission of Department of Mathematics and Statistics; # 121-021 Environmental Politics and Management and 121-018 Geomorphology may be counted as Arts points. <p>Students should regularly check the Department of Civil and Environmental Engineering's course advice page for additional information and up-to-date course advice available on the web.</p> <p>The combined degree of Bachelor of Engineering (Environmental)/Bachelor of Arts requires a total of 500 points over five years. Students are required to complete 300 points of Engineering subjects and 200 points of Arts subjects.</p> <p>When setting the timetable every effort will be made to avoid clashes between the times of classes associated with these sets of subjects. Students should be aware however, that if it proves to be impossible to achieve a timetable without clashes in these sets of subjects, the Faculty reserves the right to modify course structures in order to eliminate the conflicts. Students will be advised during the enrolment period of the semester if the recommended courses need to be varied. Students in combined degrees should plan their courses so that the subjects chosen in the other faculty do not clash with those recommended for the engineering component.</p> <p>The Bachelor of Arts (BA) offers unique flexibility with the opportunity to focus on a major chosen from a broad range of Arts study options in the humanities, social sciences and languages.</p> <p>Students can:</p> <ul style="list-style-type: none"> # Undertake specialised fieldwork, research options and integrated internship programs which provide opportunities for professional work experience and community engagement. # Broaden your horizons and undertake international study exchange at any one of 120 universities worldwide, receiving credit towards your Melbourne Arts degree. # Study a new language with most areas available from beginners to advanced level. # Benefit from studying with high achieving local and international students with Melbourne Arts having the highest entry requirements for arts disciplines in Australia.

	<ul style="list-style-type: none"> # Learn from internationally recognised scholars and industry professionals. # Create pathways into further postgraduate study in professional Arts Masters courses, Melbourne Model Graduate Professional Degrees, and with the completion of an Honours year, entry into research higher degrees in Arts. # Enjoy a rewarding professional career, with Melbourne Arts graduates enjoying employment rates well above the national Arts average. 																				
Objectives:	<p>The Bachelor of Arts has as its objectives that graduates:</p> <ul style="list-style-type: none"> * can demonstrate a sound knowledge and understanding of selected fields of studies in the humanities, languages and social and behavioural sciences; * can access and appreciate national and international debates in their areas of study; * can demonstrate an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories and methodologies that are applied with intellectual honesty and a respect for ethical values; * can apply critical and analytical skills and methods to the identification and resolution of problems within a changing social context; * can act as informed and critically discriminating participants within the community of scholars, as citizens and in the work force; * can communicate effectively and, in the case of those students undertaking a language major, are able to read, write and speak another language with fluency and appreciate its cultural context; * qualify for employment in a wide range of occupations; * have a continuing commitment to learning; * are proficient in the use of appropriate modern technologies, such as the computer and other IT systems, for the acquisition, processing and interpretation of data. 																				
Majors/Minors/ Specialisations	<p>Arts majors</p> <table border="1" data-bbox="389 954 1485 2089"> <thead> <tr> <th data-bbox="389 954 1485 1014">Major/Minor/Specialisation</th> </tr> </thead> <tbody> <tr><td data-bbox="389 1014 1485 1070">American Studies Major</td></tr> <tr><td data-bbox="389 1070 1485 1126">Ancient, Medieval & Early Modern Studies Major</td></tr> <tr><td data-bbox="389 1126 1485 1182">Anthropology</td></tr> <tr><td data-bbox="389 1182 1485 1238">Arabic Studies Major</td></tr> <tr><td data-bbox="389 1238 1485 1294">Art History Major</td></tr> <tr><td data-bbox="389 1294 1485 1350">Asian Studies Major</td></tr> <tr><td data-bbox="389 1350 1485 1406">Australian Indigenous Studies Major</td></tr> <tr><td data-bbox="389 1406 1485 1462">Australian Studies Major</td></tr> <tr><td data-bbox="389 1462 1485 1518">Chinese Language Major</td></tr> <tr><td data-bbox="389 1518 1485 1574">Chinese Studies Major</td></tr> <tr><td data-bbox="389 1574 1485 1630">Cinema Studies Major</td></tr> <tr><td data-bbox="389 1630 1485 1686">Classical Studies & Archaeology Major</td></tr> <tr><td data-bbox="389 1686 1485 1742">Creative Writing Major</td></tr> <tr><td data-bbox="389 1742 1485 1798">Criminology Major</td></tr> <tr><td data-bbox="389 1798 1485 1854">Cultural Studies Major</td></tr> <tr><td data-bbox="389 1854 1485 1910">Development Studies Major</td></tr> <tr><td data-bbox="389 1910 1485 1966">English Literary Studies Major</td></tr> <tr><td data-bbox="389 1966 1485 2022">English Language Studies Major</td></tr> <tr><td data-bbox="389 2022 1485 2089">Environmental Studies Major</td></tr> </tbody> </table>	Major/Minor/Specialisation	American Studies Major	Ancient, Medieval & Early Modern Studies Major	Anthropology	Arabic Studies Major	Art History Major	Asian Studies Major	Australian Indigenous Studies Major	Australian Studies Major	Chinese Language Major	Chinese Studies Major	Cinema Studies Major	Classical Studies & Archaeology Major	Creative Writing Major	Criminology Major	Cultural Studies Major	Development Studies Major	English Literary Studies Major	English Language Studies Major	Environmental Studies Major
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	European Studies Major
	French Major
	Gender Studies Major
	Geography Major
	German Major
	Hebrew Major
	History Major
	History & Philosophy of Science Major
	Indonesian Major
	International Studies Major
	Islamic Studies Major
	Italian Major
	Japanese Major
	Jewish Studies Major
	Linguistics & Applied Linguistics Major
	Modern Greek Major
	Philosophy Major
	Planning and Design Major
	Political Science Major
	Psychology Major
	Russian Major
	Social Theory Major
	Socio-legal Studies Major
	Sociology Major
	Spanish Major
	Swedish Major
	Theatre Studies Major
Subject Options:	<p>Arts requirements:</p> <p>All students in the Bachelor of Arts and Bachelor of Engineering (Environmental) are required to complete 200 points of Arts subjects of which:</p> <ul style="list-style-type: none"> # 50 points must be taken at first year level; # 75 points must be taken at second year level and; # 75 points must be taken at third year level. <p>In addition it is expected students should complete a major in the Arts component of their degree.</p> <p>All Arts subjects undertaken must be from the following arts-approved study areas (see the individual area of study entry for full details):</p>

- * all language subjects
- * American studies
- * Ancient, Medieval and Early Modern Studies (some non-arts approved subjects included)
- * Anthropology
- * Art History
- * Asian Studies (some non-arts approved subjects included)
- * Australian Indigenous Studies (some non-arts approved subjects included)
- * Australian Studies
- * Cinema Studies
- * Classical studies and Archaeology
- * Creative Writing
- * Criminology
- * Cultural Studies
- * Development Studies (some non-art approved subjects included)
- * English Literary Studies
- * English as a Second Language
- * English Language Studies
- * Environmental Studies (some non-arts approved subjects included)
- * European Studies
- * Gender Studies
- * Geography
- * Hebrew and Jewish Studies
- * History
- * History and Philosophy of Science
- * International Studies
- * Islamic Studies
- * Linguistics and Applied Linguistics
- * Philosophy
- * Planning and Design
- * Political Science
- * Psychology
- * Social Theory
- * Socio-legal Studies
- * Theatre Studies

Engineering requirements:

THERE WILL BE NO FIRST YEAR ENTRY INTO THIS COURSE FROM 2008

THE COURSE STRUCTURE BELOW ONLY APPLIES TO RE-ENROLLING STUDENTS WHO COMMENCED THEIR STUDIES PRIOR TO 2008

Note: Students who commenced 2nd year in 2008 who have not completed, (or who have failed), the second year subjects required in the Bachelor of Engineering degree please see a course adviser.

3rd Year - Semester 1

Subject	Study Period Commencement:	Credit Points:
421-255 Management for Engineers 1	Semester 1	12.500
880-101 Natural Environments	Semester 1, Semester 2	12.500

plus Arts subjects as required (25 points)

3rd Year - Semester 2

Subject	Study Period Commencement:	Credit Points:
610-280 Environmental Chemistry	Semester 2	12.500
121-021 Environmental Politics and Management	Semester 2	12.500
421-289 Earth Processes for Engineering	Semester 2	12.500

plus Arts subject as required (12.5 points)

FourthYear

Subjects listed below **MUST** be taken in this approved order, regardless of semester availability.

4th Year - Semester 1

Subject	Study Period Commencement:	Credit Points:
421-355 Management for Engineers 2	Semester 1	12.500
421-505 Engineering Hydraulics	Semester 1	12.500
421-525 Field Data Acquisition and Analysis	Semester 1	12.500

plus Arts subject as required 12.5 points

4th Year - Semester 2

Subject	Study Period Commencement:	Credit Points:
421-516 Hydraulics and Hydrology	Semester 2	12.500
421-522 Environmental Engineering Design	Semester 2	12.500

plus Arts subjects as required (25 points)

Fifth Year

Subjects listed below **MUST** be taken in this approved order, regardless of semester availability.

5th Year - Semester 1

Subject	Study Period Commencement:	Credit Points:
421-405 Management for Engineers 3	Semester 1	12.500
421-580 Hydrological Processes 1	Semester 1	12.500
421-581 Hydrological Processes 2	Semester 1	12.500

plus Arts subject as required (12.5 points)

5th Year - Semester 2

Subject	Study Period Commencement:	Credit Points:
421-442 Integrated Design	Semester 2	12.500
421-482 Analysis & Design-Environmental Systems	Semester 2	12.500
421-642 Research Topic	Semester 1, Semester 2	12.500

plus Arts subject as required (12.5 points)

Entry Requirements:

There is no further entry into this combined course.

Core Participation Requirements:

The Bachelor of Arts requires a standard level of ability across all disciplines. It will be assumed students are able to access and attend classes on a regular basis, are capable of learning in a University environment and will be able to take responsibility for their own learning. Any ability beyond this threshold will be robustly supported through the curriculum. There are no pre-requisites for first year subjects, and any intensive use of IT or technologies will be adequately supported. Certain subjects have more specific requirements and demands, such as fieldwork or travelling, which are clearly outlined in the subject description. The University is dedicated to provide support to those with special requirements. The Faculty Disability Contact Officer works with students, the University Disability Liaison Unit and teaching staff to assist students with their special requirements, with a particular focus on accommodations for in-class and examination assessment tasks. Further details on the disability support scheme can be found at the Disability Liaison Unit website.

Further Study:

Honours

	<p>Depending on your major area of study, you have the option of applying for an Honours year after you complete the BA, which will include a research project. For more information on entry to Honours, see the Arts webpage (http://www.arts.unimelb.edu.au/futurestudents/programs/Honours.html) .</p> <p>Coursework Masters</p> <p>If you wish to continue your professional studies at postgraduate level, the studies you undertake in your major can provide a direct pathway to Coursework Masters Degrees in areas such as editing, media and communications, public policy and management, international studies, arts management, development studies and many more. Entry is based on academic merit and in most cases requires a Bachelors degree or equivalent in the relevant study area. You will also be well-prepared to undertake a Melbourne Model Graduate Professional Degree in areas such as law, teaching and commerce.</p> <p>For more information on entry into a coursework masters degree, see the Arts coursework programs webpage (http://www.arts.unimelb.edu.au/futurestudents/programs/pg-programs.html) , or the University graduate programs webpage (http://www.futurestudents.unimelb.edu.au/grad/) .</p> <p>Research Higher Degrees</p> <p>If you wish to undertake advanced research and explore particular study areas in more depth, there will be opportunities to proceed to a range of Research Higher Degrees at masters and doctoral level. For more information about research higher degree study in Arts, see the Arts webpage (http://www.arts.unimelb.edu.au/futurestudents/research/) .</p>
Graduate Attributes:	See course objectives
Generic Skills:	<p>Arts students are encouraged to pursue their academic interests and professional aspirations by taking a variety of subjects in a range of different areas of study. All arts subjects provide students with transferable generic skills that prepare them for further study and the workplace.</p> <p>As a result of attendance at scheduled classes, participation in planned activities and discussion groups, and timely completion of essays and assignments, arts graduates should acquire transferable generic skills in the following areas:</p> <ul style="list-style-type: none"> # research <li style="padding-left: 20px;">through competent use of the library, electronic databases, and other information sources, and the definition of areas of inquiry and methods of research; # critical thinking and analysis <li style="padding-left: 20px;">through recommended reading, essay writing and tutorial discussion, and by determining the strength of an argument; # thinking in theoretical terms <li style="padding-left: 20px;">through lectures, tutorial discussion, essay writing and engagement in the methodologies of the humanities and social sciences; # thinking creatively <li style="padding-left: 20px;">through essay writing, creative writing, tutorial discussions and presentations, conceptualising theoretical problems, forming judgements and arguments from conflicting evidence and by critical analysis; # understanding of social, ethical and cultural context <li style="padding-left: 20px;">through the contextualisation of judgements, developing a critical self-awareness, being open to new ideas and possibilities and by constructing an argument; # communicating knowledge intelligibly and economically <li style="padding-left: 20px;">through essay writing and tutorial and seminar discussion; # written communication <li style="padding-left: 20px;">through essay preparation and assignment writing; # public speaking <li style="padding-left: 20px;">through tutorial and seminar discussion and class presentations; # attention to detail

through essay preparation and writing, and examination revision;

time management and planning

through managing and organising workloads for recommended reading, essay and assignment completion and examination revision;

teamwork

through joint projects and group discussions.