

967-EG Bachelor of Geomatic Engineering 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>
Course Overview:	<p>Students taking combined degree courses who intend to overlap third- and later-year subjects, should consult with a course adviser to ensure all core geomatic engineering requirements are met.</p> <p>The recommended or standard course structures are listed below. 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. Where the courses include elective subjects these should be chosen so that timetable clashes are avoided. In particular, 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>
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.
Course Structure & Available Subjects:	<p>To complete the combined Bachelor of Arts / Bachelor of Geomatic Engineering degrees you must complete subjects from both degrees to a minimum of 500 points or five full time years of study. Each degree component requires the completion of both a minimum and maximum number of points from each faculty within the total of 500 points. <i>No subject can be counted towards both degrees.</i></p> <p>A combined degree involves completing fewer subjects or points than if both degrees were completed separately.</p> <p>You cannot be awarded one component of your combined degree upon completion of the minimum requirements for that component. In other words, you must complete all the requirements for both components before you are eligible to graduate from either. If</p>

you discontinue either component of your combined course, you must complete the full requirements of the remaining degree (ie. the full amount of points required for the remaining single degree, for example 300 points for the BA).

You are expected to be familiar with the course requirements of both of the components of your degree.

**Majors/Minors/
Specialisations**

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

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

	<p>Islamic Studies Major</p> <p>Italian Major</p> <p>Japanese Major</p> <p>Jewish Studies Major</p> <p>Linguistics & Applied Linguistics Major</p> <p>Modern Greek Major</p> <p>Philosophy Major</p> <p>Planning and Design Major</p> <p>Political Science Major</p> <p>Psychology Major</p> <p>Russian Major</p> <p>Social Theory Major</p> <p>Socio-legal Studies Major</p> <p>Sociology Major</p> <p>Spanish Major</p> <p>Swedish Major</p> <p>Theatre Studies Major</p>
<p>Subject Options:</p>	<p>All students 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>As well as the completion of 200 points of BA study, four further basic rules apply;</p> <p>Breadth of study requirements: No more than 150 points may taken in any one area of study. This consists of a maximum of 25 points at first year level and 125 points at second/third year level.</p> <p>Subject year level entry requirements: Level one subjects: Most level one subjects do not have prerequisites apart from admission to a degree or diploma course. However, some language streams require the completion of VCE or IB language study and/or completion of a placement test. This must be done <i>before</i> you enrol. <i>Level one subjects are not available to students enrolled in fourth-year honours, postgraduate certificates, postgraduate diplomas, or masters programs. Level one subjects cannot be credited to level two or three of the BA or BA combined degrees.</i></p> <p>Level two subjects Students should complete the level one requirements of their degree before enrolling in a level two subject. Students must complete at least 50 points of level one (four subjects) in order to enrol in a level two or two/three subject. <i>Level two subjects are not available to students enrolled in fourth-year honours, postgraduate certificates, postgraduate diplomas, or masters programs. Level two subjects cannot be credited to level one or three of the BA or BA combined degrees.</i></p> <p>Level three subjects Students should complete the level two requirements of their degree before enrolling in a level three subject. Students must complete at least 25 points of level two (usually two subjects) in order to enrol in a level three subject. <i>Level three subjects are not available to students enrolled in fourth-year honours, postgraduate certificates, postgraduate diplomas, or masters programs. Level three subjects cannot be credited to level one or two of the BA or BA combined degrees.</i></p>

Level four subjects are not available to students enrolled in undergraduate degrees, concurrent certificates, concurrent diplomas, graduate certificates, graduate diplomas or one-year masters programs. Level five subjects are not available to students enrolled in undergraduate degrees, concurrent certificates, concurrent diplomas, graduate certificates, or graduate diplomas.

Subject level rules apply to students in combined Arts degrees.

Language study restrictions:

The study of languages is encouraged in BA combined degrees, and language learning can be one outcome of the arts component, which allows for study of one language. As the BA also seeks to provide a broad base of learning in the humanities and social sciences, therefore a second language is not permitted for credit within the arts component of BA combined degrees.

Arts-approved subject requirements:

All arts subjects undertaken in this BA must be from the following arts-approved study areas. Non-arts approved subjects cannot be completed in a combined degree, even if they are included as part of a major.

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
 Sociology
 Theatre Studies

All students are responsible for planning a course that satisfies course requirements.

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

Second Year

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

Semester 1

Subject	Study Period Commencement:	Credit Points:
451-103 Information Science and Programming	Not offered 2009	12.50

Art subjects as required (37.5 points)

Semester 2

Subject	Study Period Commencement:	Credit Points:
451-200 Surveying 2	Summer	12.500
620-156 Linear Algebra	Summer, Semester 1, Semester 2	12.500
451-312 GIS & Remote Sensing for Enviro Science	Not offered 2009	12.50

Art subject as required (12.5 points)

Third Year

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

Semester 1

Subject	Study Period Commencement:	Credit Points:
451-203 Land Law	Not offered 2009	12.500
451-204 Professional Development	Not offered 2009	12.50
451-208 Computational Methods in Geomatics	Not offered 2009	12.500

Art subject as required (12.5 points)

Semester 2

Subject	Study Period Commencement:	Credit Points:
451-206 Least Squares & Network Analysis	Summer	12.500
451-337 Satellite Positioning and Geodesy	Semester 2	12.500

Art subjects as required (25 points)

Fourth Year

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

Semester 1

Subject	Study Period Commencement:	Credit Points:
451-333 Cadastral Surveying & Land Development	Semester 1	12.500
451-332 Imaging in the Geosciences	Semester 1	12.500
451-235 Spatial Databases	Semester 1	12.500

Art subject as required (12.5 points)

Semester 2

Subject	Study Period Commencement:	Credit Points:
451-236 Spatial Visualisation	Not offered 2009	12.50

AND choose **one** of the following

Subject	Study Period Commencement:	Credit Points:
451-340 Integrated Spatial Systems 1	Semester 2	12.500
451-341 Applications of GIS and Remote Sensing	Semester 2	12.500
451-447 Photogrammetry	Semester 2	12.500

	<p>Art subjects as required (25points)</p> <p>FifthYear</p> <p>Subjects listed below MUST be taken in this approved order, regardless of semester availability</p> <p>Semester 1</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>451-450 Research Project</td> <td>Year Long</td> <td>25.000</td> </tr> <tr> <td>451-418 Land Administration</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>451-449 Professional and Business Studies</td> <td>Semester 1</td> <td>12.500</td> </tr> </tbody> </table> <p>Art subject as required (12.5 points)</p> <p>Semester 2</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>451-422 Residential Land Development</td> <td>Semester 2</td> <td>12.500</td> </tr> </tbody> </table> <p>Art subjects as required (25 points)</p>	Subject	Study Period Commencement:	Credit Points:	451-450 Research Project	Year Long	25.000	451-418 Land Administration	Semester 1	12.500	451-449 Professional and Business Studies	Semester 1	12.500	Subject	Study Period Commencement:	Credit Points:	451-422 Residential Land Development	Semester 2	12.500
Subject	Study Period Commencement:	Credit Points:																	
451-450 Research Project	Year Long	25.000																	
451-418 Land Administration	Semester 1	12.500																	
451-449 Professional and Business Studies	Semester 1	12.500																	
Subject	Study Period Commencement:	Credit Points:																	
451-422 Residential Land Development	Semester 2	12.500																	
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:	<p>Honours</p> <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:

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. 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:

research

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

through recommended reading, essay writing and tutorial discussion, and by determining the strength of an argument;

thinking in theoretical terms

through lectures, tutorial discussion, essay writing and engagement in the methodologies of the humanities and social sciences;

thinking creatively

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

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

through essay writing and tutorial and seminar discussion;

written communication

through essay preparation and assignment writing;

public speaking

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.