

167EG Bachelor of Geomatic Engineering & Bach of Planning & Design(Prop&Const)

Year and Campus:	2010
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	
Coordinator:	Allison Kealy
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Course Overview:	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 School 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.
Objectives:	On completion of this course graduates should: <ul style="list-style-type: none"> # Have a sound fundamental understanding of the scientific principles underlying technology; # Possess a broad knowledge base of their chosen discipline and of other disciplines to facilitate effective communication with those other professionals with whom engineers routinely communicate; # Be able to apply the basic principles underlying the management of physical, human and financial resources; # Have acquired the mathematical and computational skills necessary for the solution of theoretical and practical problems; # Possess analytical, problem-solving and design skills, including those appropriate for sustainable development; # Have verbal and written communication skills that enable them to contribute substantially to society; # Have acquired lifelong learning skills for further development professionally and for meeting future changes in technology # Have acquired a sense of professional ethics and responsibility towards the profession and the community; # Have developed the interpersonal and management skills required by engineers in undertaking professional activities; and # Be able to enact the social, cultural, global and environmental responsibilities of the professional engineer, and the need for sustainable development.
Course Structure & Available Subjects:	The recommended or standard course structures are listed below.
Subject Options:	THERE WILL BE NO FIRST, SECOND, THIRD or FOURTH YEAR ENTRY INTO THIS COURSE FROM 2008.

Fourth Year

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

Semester 1

Subject	Study Period Commencement:	Credit Points:
451-332 Imaging in the Geosciences	Not offered 2010	
GEOM30004 Cadastral Surveying & Land Development	Semester 1	12.50
451-235 Spatial Databases	Not offered 2010	

AND **one** of the following subjects

Subject	Study Period Commencement:	Credit Points:
705-315 Urban Economic Geography	Not offered 2010	12.50
702-216 Introduction to Cost Management	Not offered 2010	

Semester 2

Subject	Study Period Commencement:	Credit Points:
GEOM30005 Satellite Positioning and Geodesy	Semester 2	12.50
ABPL20003 Income Property Analysis	Semester 2	12.50

AND **one** of the following

Subject	Study Period Commencement:	Credit Points:
705-325 Planning the Productive City	Not offered 2010	12.50
702-361 Construction Cost Planning	Not offered 2010	

AND **one** of the following

Subject	Study Period Commencement:	Credit Points:
451-341 Applications of GIS and Remote Sensing	Not offered 2010	
451-340 Integrated Spatial Systems 1	Not offered 2010	
GEOM40004 Photogrammetry	Semester 2	12.50

Fifth Year

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

Semester 1

Subject	Study Period Commencement:	Credit Points:
GEOM40006 Research Project	Year Long	25
GEOM40001 Land Administration	Semester 1	12.50
GEOM40005 Professional and Business Studies	Semester 1	12.50
702-353 Statutory Valuation	Not offered 2010	

Semester 2

Subject	Study Period Commencement:	Credit Points:
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	GEOM40002 Residential Land Development	Semester 2	12.50
	ABPL30012 Property Management	Semester 1	12.50
	AND one of the following subjects		
	Subject	Study Period Commencement:	Credit Points:
	702-309 Structures and Construction 3B	Not offered 2010	
	702-219 Science and Services	Not offered 2010	
	<p>Note 1: 700- prefix subjects may be substituted with alternative subjects with the approval of the Faculty of Architecture Building and Planning, and the Faculty of Engineering.</p> <p>Note 2: Students wanting a quantity surveying background should complete 702-216, 702-416, 702-361, 702-309.</p>		
Entry Requirements:	N/A - as there is no entry into the program from 2008.		
Core Participation Requirements:	<p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/</p>		
Further Study:	None.		
Graduate Attributes:	<p>An Engineering graduate has a unique skill set comprising a blend of technical, business and interpersonal skills. Upon completion of the Bachelor of Engineering at the University of Melbourne, students will have strong analytical skills, the ability to lead teams and projects and the creativity to look at problems in a way that provides innovative solutions. Our graduates are known for their high standards and professionalism, their understanding of global issues and their outstanding communication skills. For details, see "Objectives".</p>		
Professional Accreditation:	<p>This is a professional degree. Graduates can obtain professional recognition by joining Engineers Australia who has accredited these programs. For details, see "Graduate Attributes".</p>		
Generic Skills:	<p>This is a professional degree. Graduates can obtain professional recognition by joining Engineers Australia who has accredited these programs. For details, see "Graduate Attributes".</p>		
Links to further information:	None.		
Notes:	None		