

# 834-EG Bachelor of Geomatic Engineering and Bachelor of Information Systems

<b>Year and Campus:</b>	2009												
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>												
<b>Level:</b>	Undergraduate												
<b>Duration &amp; Credit Points:</b>													
<b>Contact:</b>	-												
<b>Course Overview:</b>	<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 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>												
<b>Objectives:</b>	-												
<b>Course Structure &amp; Available Subjects:</b>	<p>Students must complete a minimum (and maximum) of 500 points. Within the 500 points students must ensure that they satisfy the requirements of both the geomatic engineering component and the information systems component as specified below.</p> <p>The final first year intake into the Bachelor of Geomatic Engineering/Bachelor of Information Systems course was at the start of 2007. In addition to the information below, current BIS students should refer to other resources regarding course requirements and appropriate subject selection:</p> <ul style="list-style-type: none"> <li># Previous years' handbooks (for each of the years that a student has been enrolled in the course).</li> <li># The course planning website of the Science Student Centre: <a href="http://www.science.unimelb.edu.au/current/planning/index.php">http://www.science.unimelb.edu.au/current/planning/index.php</a> (<a href="http://www.science.unimelb.edu.au/current/planning/index.php">http://www.science.unimelb.edu.au/current/planning/index.php</a>)</li> </ul> <p>The description of the Bachelor of Geomatic Engineering/Bachelor of Information Systems course has changed over recent years. Students may complete this course as defined by the current structure or a structure detailed in a previous year's handbook, applicable to any year the student was enrolled in the course.</p> <p>In the course structure listed below reference is made to 'Information systems subject/s as required'. For detailed information about which subjects to consider, refer to the course planning website of the Science Student Centre: <a href="http://www.science.unimelb.edu.au/current/planning/index.php">http://www.science.unimelb.edu.au/current/planning/index.php</a> (<a href="http://www.science.unimelb.edu.au/current/planning/index.php">http://www.science.unimelb.edu.au/current/planning/index.php</a>)</p>												
<b>Subject Options:</b>	<p>THERE WILL BE NO NEW STUDENT ENTRY INTO THIS COURSE.</p> <p><b>Second Year</b></p> <p>Subjects listed below MUST be taken in this approved order, regardless of semester availability.</p> <p><b>Semester 1</b></p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>451-203 Land Law</td> <td>Not offered 2009</td> <td>12.500</td> </tr> <tr> <td>451-204 Professional Development</td> <td>Not offered 2009</td> <td>12.50</td> </tr> <tr> <td>451-208 Computational Methods in Geomatics</td> <td>Not offered 2009</td> <td>12.500</td> </tr> </tbody> </table>	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
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											

Information systems subject as required (12.5 points)

### Semester 2

Subject	Study Period Commencement:	Credit Points:
451-200 Surveying 2	Summer	12.500
451-206 Least Squares & Network Analysis	Summer	12.500
451-236 Spatial Visualisation	Not offered 2009	12.50

Information systems 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:
451-333 Cadastral Surveying & Land Development	Semester 1	12.500

AND **one** of the following subjects

Subject	Study Period Commencement:	Credit Points:
451-331 Spatial Analysis	Semester 1	12.500
451-332 Imaging in the Geosciences	Semester 1	12.500

Information systems subjects as required (25 points)

### Semester 2

Subject	Study Period Commencement:	Credit Points:
451-341 Applications of GIS and Remote Sensing	Semester 2	12.500
451-337 Satellite Positioning and Geodesy	Semester 2	12.500

Information systems 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:
451-418 Land Administration	Semester 1	12.500
451-449 Professional and Business Studies	Semester 1	12.500

Information systems subjects as required (25 points)

### Semester 2

And **one** of the following subjects

Subject	Study Period Commencement:	Credit Points:
451-340 Integrated Spatial Systems 1	Semester 2	12.500
451-447 Photogrammetry	Semester 2	12.500

Information systems subjects as required (37.5 points)

**Fifth Year**

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

**Semester 1**

Subject	Study Period Commencement:	Credit Points:
451-450 Research Project	Year Long	25.000

Information systems subjects as required (37.5 points)

**Semester 2**

Subject	Study Period Commencement:	Credit Points:
451-422 Residential Land Development	Semester 2	12.500

Information systems subjects as required (25 points)

**Core Participation Requirements:**

<p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: <a href="http://services.unimelb.edu.au/disability">http://services.unimelb.edu.au/disability</a></p>