

## Bachelor of Aerospace Engineering and Bachelor of Arts

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |  |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--|
| <b>Student ID</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Student name</b>          |  |
| <b>Course code</b>                 | 3277                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Year commenced course</b> |  |
| <b>Course version</b>              | 1 (for students who commenced in 2005 onwards)                                                                                                                                                                                                                                                                                                                                                                                                      |                              |  |
| <b>Credit points</b>               | 240 points: 96 points of Arts (16 units) and 144 points of Engineering (24 units)                                                                                                                                                                                                                                                                                                                                                                   |                              |  |
| <b>Duration of degree</b>          | 5 years full time, 10 years part time                                                                                                                                                                                                                                                                                                                                                                                                               |                              |  |
| <b>Time limit</b>                  | 10 years. Students have ten years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the ten years.                                                                                                                                                                                                                                                                             |                              |  |
| <b>Honours</b>                     | Students are awarded the engineering degree with honours for meritorious performance throughout the course. No additional time is required.                                                                                                                                                                                                                                                                                                         |                              |  |
| <b>Arts requirements</b>           | The arts component requires a major (48 points), a minor (24 points), an additional first-year sequence (12 points) and a further 12 points of arts units. All disciplines must be chosen from those taught by the Faculty of Arts as listed in the 'Areas of study' section of the faculty website at: <a href="http://www.arts.monash.edu.au/current/coursework/study_areas/">http://www.arts.monash.edu.au/current/coursework/study_areas/</a> . |                              |  |
| <b>Conversion to single degree</b> | Student wishing to take out their engineering degree prior to completion of all the requirements for the double degree will have to complete the required 192 credit points for the single Bachelor of Aerospace Engineering degree. Students wishing to take out the non-engineering component of the degree should consult the relevant faculty.                                                                                                  |                              |  |
| <b>Course adviser</b>              | <a href="http://www.eng.monash.edu.au/current-students/course-information.html#1">http://www.eng.monash.edu.au/current-students/course-information.html#1</a>                                                                                                                                                                                                                                                                                       |                              |  |

**Students should bring this course map with them when they seek course advice.**

| First year (select eight units from):                                                                                                                                       | Mark | Grade |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| <b>Core units</b>                                                                                                                                                           |      |       |
| <input type="checkbox"/> ENG1040 Engineering dynamics                                                                                                                       |      |       |
| <input type="checkbox"/> ENG1060 Computing for engineers                                                                                                                    |      |       |
| <input type="checkbox"/> ENG1091 Mathematics for engineering                                                                                                                |      |       |
| <input type="checkbox"/> MAE1041 Aerospace engineering                                                                                                                      |      |       |
| Two first-year Arts units (12 points):                                                                                                                                      |      |       |
| <input type="checkbox"/>                                                                                                                                                    |      |       |
| <input type="checkbox"/>                                                                                                                                                    |      |       |
| <b>Foundation units</b>                                                                                                                                                     |      |       |
| Students who have not completed VCE units 3/4 of Chemistry or Physics and/or Specialist Mathematics are required to select one or two appropriate foundation units(s) from: |      |       |
| <input type="checkbox"/> ENG1070 Foundation chemistry (if you have not completed VCE Chemistry)                                                                             |      |       |
| <input type="checkbox"/> ENG1080 Foundation physics (if you have not completed VCE Physics)                                                                                 |      |       |
| <input type="checkbox"/> ENG1090 Foundation mathematics (if you have not completed VCE Spec Maths)                                                                          |      |       |
| <b>Electives</b>                                                                                                                                                            |      |       |
| Students not needing a foundation unit(s) select one or two units from:                                                                                                     |      |       |
| <input type="checkbox"/> ENG1020 Engineering structures                                                                                                                     |      |       |
| <input type="checkbox"/> ENG1030 Electrical systems                                                                                                                         |      |       |

|                                                                                                                                                                               | Mark | Grade |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| <b>Second year</b>                                                                                                                                                            |      |       |
| Second year engineering units can be taken over two years with a mix of arts units. Please seek course advice as to the order in which the second year units should be taken. |      |       |
| <input type="checkbox"/> ENG2091 Advanced engineering mathematics A                                                                                                           |      |       |
| <input type="checkbox"/> ENG2092 Advanced engineering mathematics B                                                                                                           |      |       |
| <input type="checkbox"/> MAE2400 Engineering materials                                                                                                                        |      |       |
| <input type="checkbox"/> MAE2401 Aircraft structures 1                                                                                                                        |      |       |
| <input type="checkbox"/> MAE2402 Thermodynamics and heat transfer                                                                                                             |      |       |
| <input type="checkbox"/> MEC2401 Dynamics I                                                                                                                                   |      |       |
| <input type="checkbox"/> MEC2402 Engineering design I                                                                                                                         |      |       |
| <input type="checkbox"/> MEC2404 Fluid mechanics I                                                                                                                            |      |       |
| <input type="checkbox"/> Arts units                                                                                                                                           |      |       |
|                                                                                                                                                                               |      |       |
| <b>Third year</b>                                                                                                                                                             |      |       |
| <input type="checkbox"/> MAE3401 Aerodynamics                                                                                                                                 |      |       |
| <input type="checkbox"/> MAE3403 Aerospace computational mechanics                                                                                                            |      |       |
| <input type="checkbox"/> MAE3404 Flight vehicle dynamics                                                                                                                      |      |       |
| <input type="checkbox"/> MAE3405 Flight vehicle propulsion                                                                                                                    |      |       |
| <input type="checkbox"/> MAE3406 Aerospace materials                                                                                                                          |      |       |
| <input type="checkbox"/> MAE3407 Aircraft structures II                                                                                                                       |      |       |
| <input type="checkbox"/> MAE3408 Systems and control                                                                                                                          |      |       |
| <input type="checkbox"/> Arts units                                                                                                                                           |      |       |
|                                                                                                                                                                               |      |       |
| <b>Fourth year</b>                                                                                                                                                            |      |       |
| <input type="checkbox"/> MAE4404 Aerospace practices                                                                                                                          |      |       |
| <input type="checkbox"/> MAE4901 Aerospace project I                                                                                                                          |      |       |
| <input type="checkbox"/> MAE4902 Aerospace project II                                                                                                                         |      |       |
| <input type="checkbox"/> Arts units                                                                                                                                           |      |       |
|                                                                                                                                                                               |      |       |
| <b>Fifth year</b>                                                                                                                                                             |      |       |
| <input type="checkbox"/> Remaining arts and engineering units if level two engineering units were taken over two years.                                                       |      |       |
|                                                                                                                                                                               |      |       |
| <b>Professional requirements</b>                                                                                                                                              |      |       |
| Students may not graduate until they have completed their work experience and submitted a satisfactory report on the experience                                               |      |       |
| <input type="checkbox"/> 12 weeks approved engineering work experience                                                                                                        |      |       |
| <input type="checkbox"/> Report submitted to department and approved                                                                                                          |      |       |

Every effort has been made to ensure that the information provided is correct at the time of publication.  
 Monash University reserves to right to alter this information should the need arise. October 2007