# 2022 Study Plan
## Master of Engineering (Aerospace)

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Core Courses</th>
<th>Foundation Courses</th>
<th>Elective (see table)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>S1</strong></td>
<td>MECH ENG 7066 Aeronautical Engineering</td>
<td>MECH ENG 7067 Advanced Mechanics of Materials</td>
<td>ENG 7057 Communication &amp; Critical Thinking</td>
</tr>
<tr>
<td></td>
<td>PROJMGNT 5021 Project Management Fundamentals</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>S2</strong></td>
<td>MECH ENG 7068 Applied Aerodynamics</td>
<td>MECH ENG 7073 Space Vehicle Design</td>
<td>ELEC ENG 7164 Business Management Systems</td>
</tr>
<tr>
<td></td>
<td>MATHS 7025 Research Methods and Statistics</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Year 2</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>S1</strong></td>
<td>ENG 7001A Research Project Part A (6 units)</td>
<td>Aerospace Engineering Elective A (see elective table)</td>
<td>Aerospace Engineering Elective A or B (see elective table)</td>
</tr>
<tr>
<td><strong>S2</strong></td>
<td>ENG 7001B Research Project Part B (6 units)</td>
<td>Aerospace Engineering Elective A (see elective table)</td>
<td>Aerospace Engineering Elective A or B (see elective table)</td>
</tr>
</tbody>
</table>

### Core Courses

- MECH ENG 7020 Materials Selection & Failure Analysis
- MECH ENG 7053 Aerospace Propulsion
- MECH ENG 7021 Combustion Technologies & High Temperature Processes
- MECH ENG 7026 Advanced Topics in Fluid Mechanics
- MECH ENG 7045 CFD for Engineering Applications
- MECH ENG 7059 Finite Element Analysis of Structures
- MECH ENG 7080 Modern Control Systems
- MECH ENG 7027 Engineering Acoustics
- MECH ENG 7056 Systems Engineering 1

### Aerospace Engineering Elective A

- MECH ENG 7030 Advanced Vibrations
- MECH ENG 7043 Stresses in Plates & Shells (not offered 2022)
- MECH ENG 7062 Aircraft Design
- MECH ENG 7063 Advanced Topics in Aerospace Engineering

### Aerospace Engineering Elective B

- CHEM ENG 7047 Composite & Multiphase Polymers (not offered 2022)
- MECH ENG 7023 Fracture Mechanics (not offered 2022)
- MECH ENG 7028 Advanced PID Control

**NOTES**

**Internship:** Master of Engineering students are required to complete 12 weeks of internship during the course of their studies, with a minimum of 6 weeks under the supervision of a professional engineer. Students who have previously completed an approved 12 week period of internship as part of their undergraduate studies at the University of Adelaide are exempt from this requirement. Internships are self-sourced and further information can be found on the Engineering Internships web page: [https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering](https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering).

**Program Rules:** For academic program rules please refer to the following website: [https://calendar.adelaide.edu.au/faculty/ecms](https://calendar.adelaide.edu.au/faculty/ecms)

**Information and Enrolment Advice:**

Ask ECMS
Email: askecms@adelaide.edu.au