# Course progression map for 2021 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It should be used in conjunction with the requirements of the course as specified in the Handbook. The map is subject to updates. Update version: 14 November 2022

## E3002 Bachelor of Engineering (Honours) and Bachelor of Arts

### Common first year

If no foundation units are required:

<table>
<thead>
<tr>
<th>Year</th>
<th>Sem</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Feb</td>
<td>ENG1001 Engineering design: lighter, faster, stronger</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1005 Engineering mathematics Required: ENG1090 *</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1060 Computing for engineers Corequisite: ENG1005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arts major</td>
</tr>
<tr>
<td></td>
<td>July</td>
<td>ENG1002 Engineering design: cleaner, safer, smarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1003 Engineering mobile apps</td>
</tr>
<tr>
<td></td>
<td></td>
<td>First Year engineering technical elective unit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arts major</td>
</tr>
</tbody>
</table>

Tip: You can swap the semester of your engineering elective and your semester 1 Arts unit.

If you need to enrol in foundation physics and maths*:

<table>
<thead>
<tr>
<th>Year</th>
<th>Sem</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Feb</td>
<td>ENG1002 Engineering design: cleaner, safer, smarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1090 Foundation mathematics *</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHS1001 Foundation physics *</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arts major</td>
</tr>
<tr>
<td></td>
<td>July</td>
<td>ENG1001 Engineering design: lighter, faster, stronger</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1005 Engineering mathematics Required: ENG1090 *</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1060 Computing for engineers Corequisite: ENG1005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arts major</td>
</tr>
</tbody>
</table>

1. If you are requiring two foundation units, you will need to take the remaining core unit ENG1003 Engineering mobile apps in semester one of year two as an overload, and increase the total credit points needed for the double by 6 points. You cannot swap the semesters of any of the units.

2. If you want to complete Software Engineering, you must complete ENG1003 Engineering mobile apps in Year 1 (Semester 1) and ENG1001 Engineering design: Lighter, faster, stronger in Year 2 (Semester 1) as an overload.

If you need to enrol in foundation maths:

<table>
<thead>
<tr>
<th>Year</th>
<th>Sem</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Feb</td>
<td>ENG1002 Engineering design: cleaner, safer, smarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1003 Engineering mobile apps</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1090 Foundation mathematics *</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arts major</td>
</tr>
<tr>
<td></td>
<td>July</td>
<td>ENG1001 Engineering design: lighter, faster, stronger</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1005 Engineering mathematics Required: ENG1090 *</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1060 Computing for engineers Corequisite: ENG1005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arts major</td>
</tr>
</tbody>
</table>

Tip: You can swap the semester of ENG1003 and your semester 2 Arts unit.

If you need to enrol in foundation physics:

<table>
<thead>
<tr>
<th>Year</th>
<th>Sem</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Feb</td>
<td>ENG1002 Engineering design: cleaner, safer, smarter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1003 Engineering mobile apps</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHS1001 Foundation physics * Required: ENG1090 *</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arts major</td>
</tr>
<tr>
<td></td>
<td>July</td>
<td>ENG1001 Engineering design: lighter, faster, stronger</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1005 Engineering mathematics Required: ENG1090 *</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG1060 Computing for engineers Corequisite: ENG1005</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arts major</td>
</tr>
</tbody>
</table>

Tip: You can swap the semester of ENG1003 and your semester 2 Arts unit.

Note:
- * Foundation units: You enrol in the foundation units ENG1090 and/or PHS1001 if you have not completed the Australian VCE (Units 3 & 4) or equivalent Specialist mathematics and/or Physics with the required study score.
- You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- For enrolment advice, please refer to the Course advisers webpage.
# Course progression map for 2021 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It should be used in conjunction with the requirements of the course as specified in the Handbook. The map is subject to updates. Update version: 14 November 2022

## E3002 Bachelor of Engineering (Honours) and Bachelor of Arts

### Specialisation - Aerospace engineering

<table>
<thead>
<tr>
<th>Year 1 Semester 1</th>
<th>Bachelor of Aerospace Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>MAE2005 Advanced engineering mathematics</td>
<td>Arts major 1</td>
</tr>
<tr>
<td></td>
<td>MAE2412 Aerospace design</td>
<td>Arts major 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 Semester 1</th>
<th>Bachelor of Aerospace Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>ENG2005 Advanced engineering mathematics</td>
<td>Arts elective 1</td>
</tr>
<tr>
<td></td>
<td>MAE3401 Aerospace structures and materials</td>
<td>Arts major 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 Semester 2</th>
<th>Bachelor of Aerospace Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>MAE2404 Aerodynamics 1</td>
<td>Arts elective 2</td>
</tr>
<tr>
<td></td>
<td>MAE2404 Thermodynamics and gas dynamics</td>
<td>Arts major 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Semester 1</th>
<th>Bachelor of Aerospace Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>MAE2401 Aerospace structures and materials</td>
<td>Arts elective 3</td>
</tr>
<tr>
<td></td>
<td>MAE3405 Aerospace dynamics</td>
<td>Arts major 5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Semester 2</th>
<th>Bachelor of Aerospace Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>MAE2505 Aerospace dynamics</td>
<td>Arts elective 4</td>
</tr>
<tr>
<td></td>
<td>MAE3405 Aerospace propulsion</td>
<td>Arts major 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 Semester 1</th>
<th>Bachelor of Aerospace Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>MAE3456 Aerospace computational mechanics</td>
<td>Arts Professional Futures unit 1</td>
</tr>
<tr>
<td></td>
<td>MAE3404 Flight vehicle dynamics</td>
<td>Arts major 7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 Semester 2</th>
<th>Bachelor of Aerospace Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>MAE3411 Aerospace structural mechanics</td>
<td>Arts Professional Futures unit 2</td>
</tr>
<tr>
<td></td>
<td>MAE3406 Aerospace control</td>
<td>Arts Professional Futures unit 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5 Semester 1</th>
<th>Bachelor of Aerospace Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>ENG4701 Final year project A</td>
<td>Arts major 8</td>
</tr>
<tr>
<td></td>
<td>MAE4404 Aerospace practices and airworthiness</td>
<td>Continuous Professional Development (0 credit points)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5 Semester 2</th>
<th>Bachelor of Aerospace Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>ENG4702 Final year project B</td>
<td>Arts Professional Futures unit 4</td>
</tr>
<tr>
<td></td>
<td>MAE4410 Flight vehicle design</td>
<td></td>
</tr>
</tbody>
</table>

Note:
- MAE2505 - If you have completed MAE2505 as a First Year technical elective, you must replace the core with another unit from the aerospace engineering technical electives list.
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- Engineering minors are not available in double degree courses.
- You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- For enrolment advice, please refer to the Course advisers webpage.
### E3002 Bachelor of Engineering (Honours) and Bachelor of Arts
#### Specialisation - Chemical engineering

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1</th>
<th>February</th>
<th>Bachelor of Chemical Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Common first year</td>
<td>Arts major unit 1</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>July</td>
<td></td>
<td>Arts major unit 2</td>
</tr>
<tr>
<td>Year 2</td>
<td>Semester 1</td>
<td>February</td>
<td>CHM1011 Chemistry 1 or CHM1051 Chemistry 1 advanced</td>
<td>Arts elective 1</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>July</td>
<td>CHE2162 Material and energy balances</td>
<td>Arts major unit 3</td>
</tr>
<tr>
<td>Year 3</td>
<td>Semester 1</td>
<td>February</td>
<td>CHE2164 Thermodynamics 1</td>
<td>Arts major unit 4</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>July</td>
<td>CHE2163 Heat and mass transfer</td>
<td>Arts major unit 5</td>
</tr>
<tr>
<td>Year 4</td>
<td>Semester 1</td>
<td>February</td>
<td>CHE3161 Chemistry and chemical thermodynamics</td>
<td>Arts Professional Futures unit 1</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>July</td>
<td>CHE3166 Process design</td>
<td>Arts Professional Futures unit 2</td>
</tr>
<tr>
<td>Year 5</td>
<td>Semester 1</td>
<td>February</td>
<td>ENG4701 Final year project A</td>
<td>Arts major unit 8</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>July</td>
<td>ENG4702 Final year project B</td>
<td>Arts Professional Futures unit 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EN0001 Continuous Professional Development (0 credit points)</td>
</tr>
</tbody>
</table>

#### Notes:
- CHM1011 or CHM1051 - If you have completed either unit as a First Year technical elective, you must replace the core with another unit from the chemical engineering technical electives list.
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- CHE4164 and CHE4165 are integrated industrial project units for select students only. The units are undertaken in place of the final year project units ENG4701 and ENG4702. Depending on placement location, you may have to overload a semester or extend an additional semester in order to complete your course.
- CHE4170 - You should not overload in the semester when undertaking this unit.
- You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- For enrolment advice, please refer to the Course advisers webpage.
Course progression map for 2021 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It should be used in conjunction with the requirements of the course as specified in the Handbook. The map is subject to updates. Update version: 14 November 2022

E3002 Bachelor of Engineering (Honours) and Bachelor of Arts
Specialisation - Civil engineering

<table>
<thead>
<tr>
<th>Year 1 Semester 1 February</th>
<th>Year 1 Semester 2 July</th>
<th>Year 2 Semester 1 February</th>
<th>Year 2 Semester 2 July</th>
<th>Year 3 Semester 1 February</th>
<th>Year 3 Semester 2 July</th>
<th>Year 4 Semester 1 February</th>
<th>Year 4 Semester 2 July</th>
<th>Year 5 Semester 1 February</th>
<th>Year 5 Semester 2 July</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Civil Engineering (Honours)</td>
<td>Bachelor of Arts</td>
<td>Common first year</td>
<td>Arts major unit 1</td>
<td>Arts major unit 2</td>
<td>CIV2282 Transport and traffic engineering</td>
<td>CIV2205 Advanced engineering mathematics</td>
<td>Arts elective 1</td>
<td>Arts major unit 3</td>
<td>If two foundation units are required then overload is required for ENG1003 Engineering mobile apps</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CIV2206 Structural mechanics</td>
<td>CIV2235 Structural materials</td>
<td>Arts elective 2</td>
<td>Arts major unit 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Course progression map for 2021 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It should be used in conjunction with the requirements of the course as specified in the Handbook. The map is subject to updates. Update version: 14 November 2022

E3002 Bachelor of Engineering (Honours) and Bachelor of Arts
Specialisation - Electrical and computer systems engineering

<table>
<thead>
<tr>
<th>Bachelor of Electrical and Computer Systems Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td><strong>Year 2</strong></td>
</tr>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 1</strong></td>
</tr>
<tr>
<td><strong>February</strong></td>
<td>ENG2005 Advanced engineering mathematics</td>
</tr>
<tr>
<td><strong>July</strong></td>
<td>ECE2072 Digital systems</td>
</tr>
<tr>
<td><strong>Year 2</strong></td>
<td><strong>Year 3</strong></td>
</tr>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 1</strong></td>
</tr>
<tr>
<td><strong>February</strong></td>
<td>ECE2131 Electrical circuits</td>
</tr>
<tr>
<td><strong>July</strong></td>
<td>ECE3111 Signals and systems</td>
</tr>
<tr>
<td><strong>Year 3</strong></td>
<td><strong>Year 4</strong></td>
</tr>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 1</strong></td>
</tr>
<tr>
<td><strong>February</strong></td>
<td>ECE3161 Analogue electronics</td>
</tr>
<tr>
<td><strong>July</strong></td>
<td>ECE3141 Information and networks</td>
</tr>
<tr>
<td><strong>Year 4</strong></td>
<td><strong>Year 5</strong></td>
</tr>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 1</strong></td>
</tr>
<tr>
<td><strong>February</strong></td>
<td>ENG4701 Final year project A</td>
</tr>
<tr>
<td><strong>July</strong></td>
<td>ENG4702 Final year project B</td>
</tr>
<tr>
<td><strong>Year 5</strong></td>
<td><strong>Year 5</strong></td>
</tr>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 2</strong></td>
</tr>
<tr>
<td><strong>February</strong></td>
<td>ENG0001 Continuous Professional Development (0 credit points)</td>
</tr>
</tbody>
</table>

Note:
- ECE2071 or ECE2072 - If you have completed either unit as a First Year technical elective, you must replace the core with another unit from the electrical and computer systems engineering technical electives list.
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- Engineering minors are not available in double degree courses.
- You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- For enrolment advice, please refer to the Course advisers webpage.
# Course progression map for 2021 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It should be used in conjunction with the requirements of the course as specified in the [Handbook](#). The map is subject to updates. Update version: 14 November 2022

## E3002 Bachelor of Engineering (Honours) and Bachelor of Arts

### Specialisation - Environmental engineering

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Bachelor of Environmental Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>Common first year</td>
<td>Arts major unit 1</td>
</tr>
<tr>
<td>February</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td>Arts major unit 2</td>
</tr>
<tr>
<td>July</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Bachelor of Environmental Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>BTX3100 Sustainability regulation for business</td>
<td>Arts elective 1</td>
</tr>
<tr>
<td>February</td>
<td>ENE2021 Energy and the environment</td>
<td>Arts major unit 3</td>
</tr>
<tr>
<td></td>
<td>If two foundation units are required then overload is required for ENG1003 Engineering mobile apps</td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>ENG2005 Advanced engineering mathematics</td>
<td>Arts elective 2</td>
</tr>
<tr>
<td>July</td>
<td>CHE2162 Material and energy balances</td>
<td>Arts major unit 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3</th>
<th>Bachelor of Environmental Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>CHE2164 Thermodynamics 1</td>
<td>Arts elective 3</td>
</tr>
<tr>
<td>February</td>
<td>ENE3031 Building sustainability</td>
<td>Arts major unit 5</td>
</tr>
<tr>
<td>Semester 2</td>
<td>ENE2503 Materials properties and recycling</td>
<td>Arts elective 4</td>
</tr>
<tr>
<td>July</td>
<td></td>
<td>Arts major unit 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4</th>
<th>Bachelor of Environmental Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>CIV3248 Groundwater and environmental geomechanics</td>
<td>Arts Professional Futures unit 1</td>
</tr>
<tr>
<td>February</td>
<td>CIV3285 Engineering hydrology</td>
<td>Arts major unit 7</td>
</tr>
<tr>
<td>Semester 2</td>
<td>ENE3032 Fate and transport of contaminants</td>
<td>Arts Professional Futures unit 2</td>
</tr>
<tr>
<td>July</td>
<td>ENE3606 The air environment</td>
<td>Arts Professional Futures unit 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5</th>
<th>Bachelor of Environmental Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>ENG4701 Final year project A</td>
<td>Arts major unit 8</td>
</tr>
<tr>
<td>February</td>
<td>ENE4042 Environment impact and risk assessment</td>
<td>ENG0001 Continuous Professional Development (0 credit points)</td>
</tr>
<tr>
<td>Semester 2</td>
<td>CIV4286 Project management for civil engineers</td>
<td></td>
</tr>
<tr>
<td>July</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5</th>
<th>Bachelor of Environmental Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>ENG4702 Final year project B</td>
<td>Arts Professional Futures unit 4</td>
</tr>
<tr>
<td>February</td>
<td>CIV4212 Civil and environmental engineering practice</td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>ENE4041 Soil remediation and solid waste management</td>
<td></td>
</tr>
<tr>
<td>July</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Note:
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- Engineering minors are not available in double degree courses.
- You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the [CPD webpage](#).
- For enrolment advice, please refer to the [Course advisers webpage](#).
**Course progression map for 2021 commencing students**

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It should be used in conjunction with the requirements of the course as specified in the Handbook. The map is subject to updates. Update version: 14 November 2022

**E3002 Bachelor of Engineering (Honours) and Bachelor of Arts**

**Specialisation - Materials engineering**

<table>
<thead>
<tr>
<th>Year 1 Semester 1</th>
<th>Bachelor of Materials Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>MTE2101 Atomic-scale structure of materials</td>
<td>Arts major unit 1</td>
</tr>
<tr>
<td></td>
<td>MTE2103 Mechanical properties of materials</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Common first year</td>
<td>Arts major unit 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 Semester 1</th>
<th>Bachelor of Materials Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>MTE2201 Polymers</td>
<td>Arts major unit 3</td>
</tr>
<tr>
<td></td>
<td>ENG2005 Advanced engineering mathematics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Arts elective 1</td>
<td>Arts major unit 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Semester 1</th>
<th>Bachelor of Materials Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>MTE2102 Phase equilibria and phase transformations</td>
<td>Arts major unit 5</td>
</tr>
<tr>
<td></td>
<td>MTE3103 Materials life cycle</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Semester 2</th>
<th>Bachelor of Materials Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>MTE2202 Functional materials 1</td>
<td>Arts major unit 6</td>
</tr>
<tr>
<td></td>
<td>MTE3203 Introduction to ceramics: Properties, processing and applications</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Arts elective 4</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 Semester 1</th>
<th>Bachelor of Materials Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>MTE3102 Plasticity of metals and alloys</td>
<td>Arts Professional Futures unit 1</td>
</tr>
<tr>
<td></td>
<td>MTE3101 Materials in a complex world 1: People, projects and data</td>
<td>Arts major unit 7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 Semester 2</th>
<th>Bachelor of Materials Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>MTE3202 Functional materials 2</td>
<td>Arts Professional Futures unit 2</td>
</tr>
<tr>
<td></td>
<td>MTE3201 Materials in a complex world 2: Characterisation, identification and selection</td>
<td>Arts major unit 8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5 Semester 1</th>
<th>Bachelor of Materials Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>ENG4701 Final year project A</td>
<td>Arts major unit 8</td>
</tr>
<tr>
<td></td>
<td>MTE4101 Integrated design project</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MTE4102 Advanced materials processing and manufacturing</td>
<td>ENG0001 Continuous Professional Development (0 credit points)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5 Semester 2</th>
<th>Bachelor of Materials Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>ENG4702 Final year project B</td>
<td>Arts Professional Futures unit 4</td>
</tr>
<tr>
<td></td>
<td>MTE4201 Materials in a complex world 3: Impact in society</td>
<td>Level 4 or 5 materials technical elective</td>
</tr>
</tbody>
</table>

**Note:**
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- Engineering minors are not available in double degree courses.
- You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- For enrolment advice, please refer to the Course advisers webpage.
# Course progression map for 2021 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It should be used in conjunction with the requirements of the course as specified in the Handbook. The map is subject to updates. Update version: 14 November 2022.

## E3002 Bachelor of Engineering (Honours) and Bachelor of Arts

### Specialisation - Mechanical engineering

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1</th>
<th>February</th>
<th>Bachelor of Mechanical Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Common first year</td>
<td>Arts major unit 1</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>July</td>
<td></td>
<td>Arts major unit 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 2</td>
<td>Semester 1</td>
<td>February</td>
<td>MEC2403 Mechanics of materials</td>
<td>Arts elective 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MEC2401 Dynamics 1</td>
<td>Arts major unit 3</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>July</td>
<td>ENG2005 Advanced engineering mathematics</td>
<td>Arts major unit 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MEC2404 Mechanics of fluids</td>
<td></td>
</tr>
<tr>
<td>Year 3</td>
<td>Semester 1</td>
<td>February</td>
<td>MEC2402 Design methods</td>
<td>Arts major unit 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MEC3456 Engineering computational mechanics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>July</td>
<td>MEC2405 Thermodynamics</td>
<td>Arts major unit 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MEC3457 Systems and control</td>
<td></td>
</tr>
<tr>
<td>Year 4</td>
<td>Semester 1</td>
<td>February</td>
<td>MEC3455 Solid mechanics</td>
<td>Arts major unit 7</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MEC3451 Fluid mechanics 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>July</td>
<td>MEC3416 Machine design</td>
<td>Arts Professional Futures unit 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MEC3453 Dynamics 2</td>
<td>Arts Professional Futures unit 3</td>
</tr>
<tr>
<td>Year 5</td>
<td>Semester 1</td>
<td>February</td>
<td>EN4701 Final year project A</td>
<td>Arts major unit 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MEC4408 Thermodynamics and heat transfer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>July</td>
<td>MEC4401 Final year project B</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MEC4426 Computer-aided design</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MEC4407 Design project</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Arts Professional Futures unit 4</td>
<td></td>
</tr>
</tbody>
</table>

### Note:
- MEC2404 - If you have completed MEC2404 as a First Year technical elective, you must replace the core with another unit from the mechanical engineering technical electives list.
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- Engineering minors are not available in double degree courses.
- You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- For enrolment advice, please refer to the Course advisers webpage.
Course progression map for 2021 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It should be used in conjunction with the requirements of the course as specified in the Handbook. The map is subject to updates. Update version: 14 November 2022

E3002 Bachelor of Engineering (Honours) and Bachelor of Arts

Specialisation – Robotics and Mechatronics engineering – *Artificial intelligence stream*

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1</th>
<th>Common first year</th>
<th>Year 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>February</td>
<td></td>
<td></td>
<td>July</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Semester 1</th>
<th>Computer organisation and programming</th>
<th>Year 2</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>February</td>
<td>ECE2071</td>
<td></td>
<td>July</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3</th>
<th>Semester 1</th>
<th>Design methods</th>
<th>Year 3</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>February</td>
<td>MEC2402</td>
<td></td>
<td>July</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4</th>
<th>Semester 1</th>
<th>Sensors and artificial perception</th>
<th>Year 4</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>February</td>
<td>TRC3500</td>
<td></td>
<td>July</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5</th>
<th>Semester 1</th>
<th>Final year project A</th>
<th>Year 5</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>February</td>
<td>ENG4701</td>
<td></td>
<td>July</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:**
- ECE2071 or ECE2072 - If you have completed either unit as a First Year technical elective, you must replace the core with another unit from the robotics and mechatronics engineering technical electives list.
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- Engineering minors are not available in double degree courses.
- You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- For enrolment advice, please refer to the Course advisers webpage.
## Course progression map for 2021 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It should be used in conjunction with the requirements of the course as specified in the Handbook. The map is subject to updates. Update version: 14 November 2022

### E3002 Bachelor of Engineering (Honours) and Bachelor of Arts
Specialisation – Robotics and Mechatronics engineering – *Automation stream*

<table>
<thead>
<tr>
<th>Year 1 Semester 1</th>
<th>Bachelor of Robotics and Mechatronics Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>ECE2071 Computer organisation and programming</td>
<td>Arts major unit 1</td>
</tr>
<tr>
<td>July</td>
<td>ECE2131 Electrical circuits</td>
<td>Arts major unit 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 Semester 1</th>
<th>Bachelor of Robotics and Mechatronics Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>ENG2005 Advanced engineering mathematics</td>
<td>Arts elective 1</td>
</tr>
<tr>
<td></td>
<td>TRC2201 Mechanics</td>
<td>Arts major unit 3</td>
</tr>
<tr>
<td></td>
<td>If two foundation units are required then overload is required for ENG1003 Engineering mobile apps</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Semester 1</th>
<th>Bachelor of Robotics and Mechatronics Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>MEC2402 Design methods</td>
<td>Arts elective 2</td>
</tr>
<tr>
<td></td>
<td>TRC3200 Dynamical systems</td>
<td>Arts major unit 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Semester 2</th>
<th>Bachelor of Robotics and Mechatronics Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>ECE2072 Digital systems</td>
<td>Arts elective 3</td>
</tr>
<tr>
<td></td>
<td>TRC4802 Thermo-fluids and power systems</td>
<td>Arts major unit 5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 Semester 1</th>
<th>Bachelor of Robotics and Mechatronics Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>TRC3500 Sensors and artificial perception</td>
<td>Arts Professional Futures unit 1</td>
</tr>
<tr>
<td></td>
<td>ECE3161 Analogue electronics</td>
<td>Arts major unit 7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 Semester 2</th>
<th>Bachelor of Robotics and Mechatronics Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>TRC3600 Modelling and control</td>
<td>Arts Professional Futures unit 2</td>
</tr>
<tr>
<td></td>
<td>TRC4902 Mechatronics and manufacturing</td>
<td>Arts Professional Futures unit 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5 Semester 1</th>
<th>Bachelor of Robotics and Mechatronics Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>ENG4701 Final year project A</td>
<td>Arts major unit 8</td>
</tr>
<tr>
<td></td>
<td>TRC4800 Robotics</td>
<td>ENG0001 Continuous Professional Development (0 credit points)</td>
</tr>
<tr>
<td></td>
<td>TRC4200 Engineering cyber-physical systems</td>
<td>Arts major unit 9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5 Semester 2</th>
<th>Bachelor of Robotics and Mechatronics Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>ENG4702 Final year project B</td>
<td>Arts Professional Futures unit 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bachelor of Robotics and Mechatronics Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Note:</td>
<td>-----------------</td>
</tr>
<tr>
<td>· ECE2071 or ECE2072 - If you have completed either unit as a First Year technical elective, you must replace the core with another unit from the robotics and mechatronics engineering technical electives list.</td>
<td></td>
</tr>
<tr>
<td>· The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.</td>
<td></td>
</tr>
<tr>
<td>· Engineering minors are not available in double degree courses.</td>
<td></td>
</tr>
<tr>
<td>· You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.</td>
<td></td>
</tr>
<tr>
<td>· For enrolment advice, please refer to the Course advisers webpage.</td>
<td></td>
</tr>
</tbody>
</table>
# Course progression map for 2021 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It should be used in conjunction with the requirements of the course as specified in the Handbook. The map is subject to updates. Update version: 14 November 2022

## E3002 Bachelor of Engineering (Honours) and Bachelor of Arts

### Specialisation - Software engineering

<table>
<thead>
<tr>
<th>Year 1 Semester 1 February</th>
<th>Bachelor of Software Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Common first year</td>
<td>Arts major unit 1</td>
</tr>
<tr>
<td>Year 1 Semester 2 July</td>
<td></td>
<td>Arts major unit 2</td>
</tr>
<tr>
<td></td>
<td><strong>MAT1830</strong> Discrete mathematics for computer science</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>FIT2085</strong> Introduction to computer science</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Arts elective 1</td>
<td>Arts major unit 3</td>
</tr>
<tr>
<td></td>
<td>If two foundation units are required then overload is required for <strong>ENG1001</strong> Engineering design: lighter, faster, stronger</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 Semester 1 February</th>
<th>Bachelor of Software Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>FIT2004</strong> Algorithms and data structures</td>
<td>Arts elective 2</td>
</tr>
<tr>
<td></td>
<td><strong>FIT2101</strong> Software engineering process and management</td>
<td>Arts major unit 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Semester 1 February</th>
<th>Bachelor of Software Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>FIT2099</strong> Object oriented design and implementation</td>
<td>Arts elective 3</td>
</tr>
<tr>
<td></td>
<td><strong>FIT3159</strong> Computer architecture</td>
<td>Arts major unit 5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Semester 2 July</th>
<th>Bachelor of Software Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>FIT2107</strong> Software quality and testing</td>
<td>Arts elective 4</td>
</tr>
<tr>
<td></td>
<td><strong>FIT2100</strong> Operating systems</td>
<td>Arts major unit 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 Semester 1 February</th>
<th>Bachelor of Software Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>FIT3170</strong> Software engineering practice (12 points)</td>
<td>Arts Professional Futures unit 1</td>
</tr>
<tr>
<td></td>
<td><strong>FIT3077</strong> Software engineering: architecture and design</td>
<td>Arts major unit 7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4 Semester 2 July</th>
<th>Bachelor of Software Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>FIT3171</strong> Databases</td>
<td>Arts Professional Futures unit 2</td>
</tr>
<tr>
<td></td>
<td><strong>FIT3171</strong></td>
<td>Arts Professional Futures unit 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 5 Semester 1 February</th>
<th>Bachelor of Software Engineering (Honours)</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>FIT4002</strong> Software engineering industry experience studio project (12 points)</td>
<td>Arts major unit 8</td>
</tr>
<tr>
<td></td>
<td><strong>FIT4701</strong> Final year project A</td>
<td><strong>FIT4165</strong> Computer networks</td>
</tr>
<tr>
<td></td>
<td><strong>FIT4702</strong> Final year project B</td>
<td><strong>ENG0001</strong> Continuous Professional Development (0 credit points)</td>
</tr>
<tr>
<td></td>
<td><strong>Level 4 or 5 software engineering core elective</strong></td>
<td>Arts Professional Futures unit 4</td>
</tr>
</tbody>
</table>

**Note:**
- **MAT1830** or **FIT2085** - If you have completed either unit as a First Year technical elective, you must replace the core with another unit from the software engineering technical electives list.
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- Engineering minors are not available in double degree courses.
- You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the [CPD webpage](#).
- For enrolment advice, please refer to the [Course advisers webpage](#).