How to enrol in the Bachelor of Engineering (Honours) and Bachelor of Architectural Design
## Quick facts

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Bachelor of Engineering (Honours) and Bachelor of Architectural Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short title</td>
<td>BE(Hons)/BArchDes</td>
</tr>
<tr>
<td>Course code</td>
<td>E3009</td>
</tr>
<tr>
<td>Location</td>
<td>Engineering offered at Clayton, Architectural Design offered at Caulfield</td>
</tr>
<tr>
<td>Engineering specialisation</td>
<td>Civil Engineering</td>
</tr>
</tbody>
</table>
| You’ll graduate with | Two awards:  
1. The award title for your engineering specialisation for example: Bachelor of Civil Engineering (Honours)  
2. Bachelor of Architectural Design                                      |
| Credit points (cps) | (30 units x 6 cps) + (5 units x 12 cps) + (1 x 0 cp) = 240 credit points  
(31 units x 6 cps) + (5 units x 12 cps) + (1 x 0 cp) = 246 cps if you need two foundation units |
| Duration      | 5 years full time - domestic and international students  
10 years part time - domestic students                                    |
| Time limit    | 10 years                                                                      |
Now for the course structure

<table>
<thead>
<tr>
<th>Level 1 units</th>
<th><strong>Engineering Common first year</strong></th>
<th>Architectural Design</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Students commence engineering and acquire knowledge in core disciplines, design and teamwork. The common first year is split over your first two years of study.</td>
<td>The Bachelor of Architectural Design is a specialist course that develops through theme studies in:</td>
</tr>
<tr>
<td></td>
<td>Levels 2, 3 and 4 units are taken in your civil engineering specialisation over years two, four and five.</td>
<td>• architectural design</td>
</tr>
<tr>
<td>Level 2 units</td>
<td>Builds basic theory and further design skills</td>
<td>• technologies and environments</td>
</tr>
<tr>
<td>Level 3 units</td>
<td>Extends theory and design into more complex, professional scenarios</td>
<td>• history and theory, and</td>
</tr>
<tr>
<td>Level 4 units</td>
<td>Provides specialised electives and an individual project</td>
<td>• communication.</td>
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<td></td>
<td>These will come together in the form of a graduand exhibition normally developed during the final studio units in the third year of the course.</td>
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</tbody>
</table>
Let’s enrol

• The common first year of engineering will be split over your first two years of study
• You will enrol in your 2019 units now and your 2019 units towards the end of the 2019 academic year
• Your handbook entry and course map detail the units and other requirements you must meet to complete your degree
• You’ll need to enrol for both semester 1 and 2
  • Full-time study (local and international students)
    o 48 credit points for the year
  • Part-time study (local students only)
    o 24 units per semester
• What you enrol in is dependent on your academic preparation
  o I am enrolling from Level 1 of the course
  o I have been awarded credit for part of the course eg students transferring from another university
Foundation units

These units develop your understanding of the natural and physical sciences and mathematics that underpin all engineering disciplines.

You may have already completed these units in your final year of school or in tertiary study (VCE Year 12, IB, A Levels or Monash College). If you haven’t, these units are compulsory.

- **ENG1090** Foundation maths (equivalent to VCE Specialist Maths units 3 & 4)
  - You don’t need to take foundation maths if you have completed VCE Specialist Maths (score of ≥30), IB higher level maths, MUFY Adv Maths 1 & 2 ≥ 65%+, any higher level maths with calculus or if you have completed Monash College Dip of Eng Pt 2.
  - However, Maths is the language of engineering so if you are not confident with maths and calculus in particular, we recommend ENG1090 to strengthen your maths foundation.

- **PHS1001** Foundation physics (equivalent to VCE Physics units 3 & 4)
  - You don’t need to take foundation physics if you have completed VCE, IB or A Level Physics; MUFY Physics 65%+; Physics at a tertiary level or if you have completed Monash College Dip of Eng Pt 2.
Your remaining Engineering units will depend on whether you needed to take any foundation units.

| I need to take two foundation units | ⇒ You will enrol in ENG1090 Foundation maths in your first year  
⇒ To avoid having to take 9 units in your first year at university, you can take PHS1001 Foundation physics in your second year as an overload  
⇒ You have no remaining engineering units to choose. [You can now enrol in your architectural design units](#) |
<table>
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<tbody>
<tr>
<td>I need to take one foundation unit</td>
<td>⇒ You will need to choose one <a href="#">engineering core unit</a> for semester two</td>
</tr>
<tr>
<td>I don’t need to take any foundation units</td>
<td>⇒ You will need to choose two <a href="#">engineering core units</a> (one for each semester)</td>
</tr>
</tbody>
</table>
These five Engineering units are compulsory and must be completed over the first two years of the course

• **ENG1001** Engineering design: Lighter, faster, stronger
• **ENG1002** Engineering design: Cleaner, safer smarter
• **ENG1003** Engineering mobile apps
• **ENG1060** Computing for engineers
• **ENG1005** Engineering mathematics

Tips!
✓ Split your design units (ENG1001 and ENG1002) across two semesters
You will need to enrol in:

**Two 12 credit point (double) units:**
- [ARC1001](#) Foundation studio 1
- [ARC1002](#) Foundation studio 2

**Two 6 credit point units:**
- [ARC1301](#) Architecture communications 1
- [ARC2301](#) Architecture communications 2

**One 0 credit point online OHS unit:**
- [OHS1000](#) Introduction to art and design health and safety
Let’s enrol

Here’s what to enrol in in 2019 if you don’t need any foundation units

<table>
<thead>
<tr>
<th>Sem 1</th>
<th>ENG1001 Engineering design: lighter, faster, stronger</th>
<th>ARC1001 Foundation studio 1 (12cp)</th>
<th>ARC1301 Architecture communications 1</th>
<th>OHS1000 Intro to art &amp; design health and safety (0 cps)</th>
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<tr>
<td>Sem 2</td>
<td>ENG1005 Engineering mathematics</td>
<td>ARC1002 Foundation studio 2 (12cp)</td>
<td>ARC2301 Architecture communications 2</td>
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Towards the end of the 2019 academic year you will need to enrol in these units to finish your engineering level 1 units and commence your level 2 units

<table>
<thead>
<tr>
<th>Sem 1</th>
<th>ENG1002 Engineering design: cleaner, safer, smarter</th>
<th>ENG1060 Computing for engineers</th>
<th>CIV2206 Mechanics of solids</th>
<th>CIV2225 Design of steel and timber structures</th>
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<tr>
<td>Sem 2</td>
<td>ENG1003 Engineering mobile apps</td>
<td>Engineering elective</td>
<td>ENG2005 Advanced engineering mathematics</td>
<td>CIV2242 Geomechanics 1</td>
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**Let’s enrol**

Here’s what to enrol in in 2019 if you need to take Foundation physics

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Tip!

✓ You cannot swap any units.
Here’s what to enrol in in 2019 if you need to take Foundation maths

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Let’s enrol

Here’s what to enrol in in 2019 if you need to take Foundation physics and maths

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<td>Sem 2</td>
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Tip!

✔ You cannot swap any units.

✔ The 6 credit point overload of PHS1001 is taken in second year, when you are better able to manage it.
What if I have credit?

**Students granted some credit or credit across multiple year levels**
- Your credit has been keyed
- The units you need to enrol in are listed on the [course map](#)
- Print off a course map and mark the units you have been granted credit for
- Enrol in eight units, starting from the lowest year level, making sure to check prerequisites have been met.

Tip!
> Prerequisites are listed against each unit in the specialisation section of the [handbook](#) (at the bottom of the course page)

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Enrol</th>
<th>Credit</th>
<th>Enrol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td>Credit</td>
<td>Credit</td>
<td>Enrol</td>
</tr>
<tr>
<td>Semester 1</td>
<td>Enrol</td>
<td>Enrol</td>
<td>Enrol</td>
</tr>
<tr>
<td>Semester 2</td>
<td>Enrol</td>
<td>Enrol</td>
<td>Enrol</td>
</tr>
<tr>
<td>Semester 1</td>
<td></td>
<td>Credit</td>
<td></td>
</tr>
</tbody>
</table>
How to apply for credit

- You can apply for credit for completed university level subjects.
- You can search online for previous credit decisions to give you an idea of what you may be granted.
- You do not need to provide your results or a syllabus for Monash enhancement units (we have these already!)
- Enrol in a standard enrolment to secure your place in the course. Your enrolment can be changed when your application has been processed.

Tip!
- Submit your credit application as quickly as possible to give you plenty of time to change your enrolment if you have to.
- You will only be awarded credit if you have room in your course structure.
### What next?

#### Domestic students
- **Enrol on WES** (Step 3)
  - Order your ID card (Step 4)
  - Select your preferred class times
  - Prepare for uni (Host Scheme, support services, online systems, transport, accommodation)
  - View your fee Student Amenities fee statement.

#### International students
- **Enrol on WES** (Step 3)
  - Order your ID card (Step 4)
  - Select your preferred class times
  - Prepare for uni (Host Scheme, support services, online systems, transport, accommodation)

#### Domestic student checklist

<table>
<thead>
<tr>
<th>International student checklist</th>
</tr>
</thead>
<tbody>
<tr>
<td>Once you have your ID card, you'll need to register your arrival by scanning your card at <strong>Monash Connect</strong>.</td>
</tr>
<tr>
<td>You need to register your arrival from Tuesday 29 January and no later than Friday 1 March 2019.</td>
</tr>
</tbody>
</table>
Orientation: 25 February – 1 March

Orientation provides critical academic and social preparation for your study in engineering. Your attendance is required. See you in February!

Tip!
✓ We’ll send you a reminder email and further orientation details in early February. Be sure to monitor your student email account.