# Bachelor of Engineering (Honours)
## Software Major - BH-ENG

**Recommended Sequence**

Units are listed on your Course Planner in a recommended sequence. However, this can be amended depending on unit availability, unit progression, timetabling and the semester in which you commenced your course.

## Year One

<table>
<thead>
<tr>
<th>Your First Semester</th>
<th>Your Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG10001 Engineering, Design and Innovation +12.5</td>
<td></td>
</tr>
<tr>
<td>ENG10002 Materials Science +12.5</td>
<td></td>
</tr>
<tr>
<td>ENG10003 Engineering Mechanics +12.5</td>
<td></td>
</tr>
</tbody>
</table>

### Core units

- **150 Credit points**
- A set of compulsory units you MUST complete as part of your Course.
- **Core units**
  - 150 Credit points

### Year Two

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Semester Two</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH10012 Calculus and Applications +12.5</td>
<td></td>
</tr>
<tr>
<td>STH10012 Linear Algebra and Applications +12.5</td>
<td></td>
</tr>
</tbody>
</table>

## Optional Component

### Professional Placement

An additional 6 months or 1 year to your course. Your course rules will be modified to accommodate the Professional Placement.

## Year Three

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Semester Two</th>
</tr>
</thead>
<tbody>
<tr>
<td>COS30002 Data Structures and Algorithms +12.5</td>
<td></td>
</tr>
<tr>
<td>SWE20004 Technical Software Development +12.5</td>
<td></td>
</tr>
<tr>
<td>SWE30001 Software Testing and Reliability +12.5</td>
<td></td>
</tr>
<tr>
<td>SWE30002 Component unit</td>
<td></td>
</tr>
</tbody>
</table>

## Year Four

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Semester Two</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG40001 Final Year Research Project 1 +12.5</td>
<td></td>
</tr>
<tr>
<td>EEE40004 Hardware-Software Codeign +12.5</td>
<td></td>
</tr>
<tr>
<td>EEE40005 Integrated Circuit Design +12.5</td>
<td></td>
</tr>
</tbody>
</table>

### Professional Placement

A Professional Placement is a Work Integrated Learning (WIL) option. You can apply for Professional Placement during your second year. More information on Professional Placement and other WIL options at Work Integrated Learning.

### What is a component unit?

A unit that forms part of a second major/co-major/minor or elective, that you select.

### How can I find which component units I can enrol in ?

Visit Bachelor of Engineering Honours Course Information page for major/co-major/minor and elective options.

### Where can I find out more about individual unit content?

Visit Single Unit Search page to search for additional unit content.

### What's a part-time study load?

100 credit points (8 units per year)

### What's a full-time study load?

150 credit points (10 units per year)

**How to use your Course Planner**

Refer to the below table to help explain what units are required each semester throughout your course. The units in your planner are colour coded to assist you with mapping out your studies.

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### Course Information

**Course 400 Credit Points**

- **Core units**
  - 150 Credit points

A set of compulsory units you MUST complete as part of your Course.

- **First Major units**
  - 200 Credit points

A structured set of 16 units or 200 credit points in a field of study specific to your course.

### Component Units 50 credit points

Can be completed from a combination of the following:

- **MINOR**
  - A structured set of 4 units or 50 credit points from a field of study which you can choose in addition to a first major.

- **ELECTIVES**
  - A standalone unit from any study area.

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**Professional Placement 50 / 100 Credit points**

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**Application**

Can be completed from a combination of the following:

- **MINOR**
  - A structured set of 4 units or 50 credit points from a field of study which you can choose in addition to a first major.

- **ELECTIVES**
  - A standalone unit from any study area.

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**Electives**

Can be completed from a combination of the following:

- **MINOR**
  - A structured set of 4 units or 50 credit points from a field of study which you can choose in addition to a first major.

- **ELECTIVES**
  - A standalone unit from any study area.

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- **First Major units**
  - 200 Credit points

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- **ELECTIVES**
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### Where can I find out more about individual unit content?

Visit Single Unit Search page to search for additional unit content.

### What's a full-time study load?

100 credit points (8 units per year)

### What's a part-time study load?

50 credit points (4 units per year)

### How can I plan my timetable to make sure my lectures don't clash?

Check the University Timetable Planner before enrolling into units.

### Where can I find what online units are available?

For a full listing of online unit go to Online Units.