## BACHELOR OF MECHANICAL ENGINEERING (HONOURS)

**Program Code:** 40061  
**CRICOS Code:** 018795A  
**CRICOS Provider:** 00109J  
**Program Handbooks:**
- **Program Handbook**
- **Course Handbook**

### Program Plan

#### Start Date:
Semester 2 2017 - 2020

#### Location:
Callaghan

This program plan is an enrolment guide to ensure you are on track to graduate. If at any time you wish to vary from this program plan seek advice from your Program Advisor to ensure you remain on track.

### Program Status Key
- C = Completed
- En = Enrolled
- NS = Not Started

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<tr>
<th>Year</th>
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<tr>
<td></td>
<td>ENGG1003 Introduction to Procedural Programming</td>
<td>ENGG2500 Sustainable Engineering Practice</td>
<td>ELEC1310 Introduction to Electrical Engineering</td>
<td>ENGG3500 Managing Engineering Projects</td>
<td>MECH2110 Mechanical Engineering Design 1</td>
<td>MECH2360 Dynamics of Machines</td>
<td>MECH3400 Materials Science and Engineering 2</td>
<td>MECH4841A Mechanical Engineering Project A</td>
<td>ELECTIVE</td>
<td>MECH4410 Mechanics of Solids 2 and FEA</td>
<td>ELECTIVE</td>
<td>MECH4841B Mechanical Engineering Project B</td>
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<td>ELECTIVE Please see information about electives on the next page Electives can be taken in any term, including summer or winter</td>
<td>MECH2695 Heat Transfer</td>
<td>MATH1110* Maths for Engineering, Science &amp; Technology 1</td>
<td>MECH2460 Engineering Computation</td>
<td>MECH2710 Fluid Mechanics 1</td>
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- **Program Handbook**
- **Course Handbook**

### Programme Requirement:
- **Exposure to Professional Practice (EEP)/Industrial Experience (IE)**: 12 Weeks

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If you have any questions visit [NEWCASTLE.EDU.AU/ASKUON](http://NEWCASTLE.EDU.AU/ASKUON)

Information correct as of 12 June 2020 and subject to change.
To be eligible to graduate make sure you have completed 320 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- **Core** courses – 280 units
  
  * MATH courses - 20 units. The choice of maths courses is based on your assumed knowledge. To find out which MATH courses you should enrol in please see the Enrolling in Maths information. There is more information in your program handbook.

- **Electives** – 40 units. Students can choose from any unrestricted course taught at the University (as long as it is not already a core course of this degree)
  
  Suggested electives include:
  
  - MECH3130 Mechanics of Bulk Solids and Particulates
  - MECH3760 Renewable Energy Conversion
  - MECH4220 Bulk Materials Handling and Transportation
  - MECH4580 Computer Aided Engineering and Manufacturing (please see the course handbook for enrolment restrictions)

  Visit the Program Handbook and Course Handbook to see a list of all available courses to choose your electives from

  Please note, completion of MATH1002 counts as 10 units of electives

- Students must not exceed 120 units at 1000 level in this program
- Students must undertake 12 weeks of approved industrial experience
- The duration of this program is 4 year full-time (40 units per semester) or part-time equivalent
- The maximum time to complete this program is 10 years

Some courses have assumed knowledge and/or requisites, please refer to the individual Course Handbook. Please refer to the Program Handbook for specific information on program structure. If you are intending varying from this program plan please seek advice from your Program Advisor.