

# Shape

the way  
we live

## Bachelor of Engineering (Mechanical) (Honours)

Mechanical engineers work with machines and mechanical systems to develop better manufacturing methods. This program teaches you the finer points of engineering and machine design, fluid mechanics and production engineering, with options to specialise in areas such as electrical and electronic engineering, mechatronic engineering, town planning studies and supply chain management.

In this program you will:

- Learn how to use mathematical and scientific principles to solve a wide range of technical problems
- Get plenty of hands-on experience, including 12 weeks work experience with professional engineers
- Complete a major final-year research project on a topic of your choice
- Learn from industry professionals through guest lectures that expose you to current engineering professional practice
- Recreate interactive real-life scenarios in USC's state-of-the-art visualisation studio and dedicated engineering laboratories

### Exemption for first year Mathematics

High achieving mathematics students can apply for exemptions to introductory mathematics and calculus subjects. However, exempted courses will need to be replaced with engineering relevant courses to fulfil requirements of the degree. Apply through the School of Science and Engineering.

### Post-admission requirements

Students must complete 60 days of suitable field experience.

### Career opportunities

- Government agencies
- Pharmaceutical companies
- Engineering consultancies
- Research organisations
- Mining industry
- Chemical processing
- Construction
- Manufacturing
- Oil and gas
- Automotive
- Aviation
- Transport
- Defence
- Agriculture

### Membership

Engineering students are eligible for free membership to Engineers Australia. Once their degree is completed they are eligible for Graduate membership.

This program is internationally recognised to allow you to work in Australia and overseas.

### LOCATIONS

Sunshine Coast  
Moreton Bay

### QTAC CODE

013741  
014741^

### MINIMUM SELECTION THRESHOLD

ATAR - 65.00 / OP -- / Rank - 65

### DURATION

4 years full time or equivalent part time

### COMMENCE

Semester 1 or Semester 2

### RECOMMENDED PRIOR STUDY

Specialist Maths; and Physics or Chemistry

### PREREQUISITES

English (Units 3 and 4, C), Maths Methods (Units 3 and 4, C)

### MORE INFORMATION

Contact Student Central  
information@usc.edu.au  
+61 7 5430 2890

[usc.edu.au/sc411](http://usc.edu.au/sc411)

University of the Sunshine Coast | CRICOS Provider Number: 01595D | Correct as at 23 September 2021  
Note: Study options and semester of offer can vary depending on the study location. For full details, visit [usc.edu.au](http://usc.edu.au).



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