

Bachelor of Engineering (Civil) (Honours)



| LOCATION | ENTRY THRESHOLD | QTAC CODE | START |
|----------------|-----------------|-----------|------------------------|
| Sunshine Coast | 60.00 | 013731 | Semester 1, Semester 2 |
| Moreton Bay | 60.00 | 014731 | Semester 1, Semester 2 |

Design and build the future. Civil engineers plan, design, build and maintain the infrastructure we rely on as a civilisation – including buildings, roads, and water systems. This program develops practical skills in engineering design, project management and sustainability, qualifying you to work as a civil engineer in Australia and overseas.

In this program you will:

- Learn to use mathematical and scientific principles to solve a range of technical problems
- Experience a broad array of courses covering areas like design, sustainability, modelling and management and leadership
- Manage a major final-year research project on a topic of your choice
- Learn from industry professional through guest lectures that expose you to current engineering professional practice
- Recreate interactive real-life scenarios in UniSC's state-of-the-art visualisation studio and dedicated engineering laboratories
- Get hands-on experience through 12 weeks of work experience

Career opportunities

- Government agencies
- Construction companies
- Engineering consultancies
- Building industry
- Mining industry
- Research organisations

Accreditation

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

Post admission requirements

Students must complete 60 days of suitable field experience.

Duration

4 years

Full-time or equivalent part-time

Indicative 2024 fees

A\$7,818 - 2024 Fees (CSP)

Fees are indicative only and will change based on courses selected and are subject to yearly increases

Prerequisites

English (Units 3 and 4, C)

Recommended prior study

Maths Methods and/or

Specialist Maths; and Physics

or Chemistry

Delivery mode

Blended Learning

Total courses

31

Total units

384

UniSC program code

SC410

Program structure

Introductory courses (8) 96 units

ENG100 Materials in Engineering

ENG101 Professional Engineering

ENG104 Engineering Design

ENG105 Engineering Statics

ENG106 Engineering Computing

MTH103 Introduction to Applied Mathematics

usc.edu.au/sc410

University of the Sunshine Coast | CRICOS Provider Number: 01595D | Correct as at 20 May 2024

Study options and teaching period of offer can vary depending on the study location. For full details, visit usc.edu.au.

MTH104 Introductory Calculus

SCI107 Physics

Developing courses (10) 108 units

CIV200 Structural Analysis

CIV201 Geotechnical Engineering

CIV202 Hydraulics and Hydrology

CIV203 Construction Technology

ENG200 Professional Practice(0 units)

ENG206 Sustainable Engineering (Design)

ENS254 Earth Observation: Remote Sensing and Surveying

MEC221 Mechanics of Materials

MTH201 Calculus II and Linear Algebra

MTH203 Numerical Analysis

Graduate courses (13) 180 units

CIV300 Structural Design

CIV301 Road and Traffic Engineering

CIV302 Concrete Design and Technology

CIV304 Water and Wastewater

CIV305 Structural Modelling

ENG305 Engineering Management

ENG306 Engineering System Design

CIV401 Sustainable Transport Systems

CIV402 Advanced Structural Analysis and Design

CIV403 Environmental Engineering

ENG406 Engineering Project 1(24 units)

ENG407 Engineering Project 2(24 units)

MEC403 Computational Analysis

Honours

The Bachelor of Engineering (Civil) (Honours) may be awarded with Honours.

The class of Honours awarded to a student is calculated using the mean mark achieved when completing the 96 units of AQF8 level courses (400 coded).

| HONOURS RESULTS CLASSIFICATION | MEAN MARK ACHIEVED IN AQF8 COURSES (400 CODED) |
|--------------------------------|--|
| Honours Class I | 80% - 100% |
| Honours Class IIA | 70% - 79.5% |
| Honours Class IIB | 60% - 69.5% |
| Honours Class III | 50% - 59.5% |
| Marginal Fail | 47% - 49.5% |
| Fail | 0% - 46.5% |

Note: Program structures are subject to change. Not all UniSC courses are available on every UniSC campus.

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