

# 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](https://usc.edu.au/sc410)

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Study options and teaching period of offer can vary depending on the study location. For full details, visit [usc.edu.au](https://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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