Bachelor of Civil Engineering (Honours)

Course overview
Graduate as an industry-ready civil engineer by studying Deakin’s Bachelor of Civil Engineering (Honours). You’ll combine contemporary theory with hands-on projects to maintain the built infrastructure systems that are vital in our day-to-day lives.

You’ll gain a deep understanding of the way infrastructure related projects and undertake work placements to gain valuable real-world experience and build your professional networks.

Professional industry experience
Project-Oriented Design-Based Learning (PODBL) in collaboration with industry is a key feature of our engineering courses. Beginning in the first trimester of study and continuing throughout your degree, you will have opportunities to work independently and in groups, to actively develop ideas and design products that satisfy industry client needs.

Industry-linked projects that challenge and encourage student-led learning, enable you to think critically and analytically, demonstrate and apply the knowledge and skills acquired in fundamental units, manage yourself and others in a team environment, collaborate with peers and communicate effectively with industry professionals.

Course structure
Bachelor of Civil Engineering (Honours)

Location: Melbourne Burwood Campus, Geelong Waurn Ponds Campus and Cloud Campus
Duration: 4 years full-time study (or part-time equivalent)
Intake: March (Trimester 1), July (Trimester 2)
Deakin code: S460
ATAR score: 70.10 (N/A)
VTAC code: Melbourne Burwood Campus (1400514821), Geelong Waurn Ponds Campus (1400314821), Cloud Campus (1400614821)

The Bachelor of Civil Engineering (Honours) consists of 32 credit points of study, including 26 core units (totalling 31 credit points) and 1 elective unit (worth 1 credit point).

Industry informed teaching
Project-Oriented Design-Based Learning (PODBL) in collaboration with industry is a key feature of our engineering courses. Beginning in the first trimester of study and continuing throughout your degree, you will have opportunities to work independently and in groups, to actively develop ideas and design products that satisfy industry client needs.

Industry-linked projects that challenge and encourage student-led learning, enable you to think critically and analytically, demonstrate and apply the knowledge and skills acquired in fundamental units, manage yourself and others in a team environment, collaborate with peers and communicate effectively with industry professionals.

1 The first year is available at all three campuses. Students undertaking first year at the Melbourne Burwood Campus are required to complete their course at either the Geelong Waurn Ponds Campus or via the Cloud Campus.
2 Cloud Campus students are required to participate in campus-based intensive activities each trimester at the Geelong Waurn Ponds Campus.
3 Trimester 2 intake only available at Waurn Ponds (Geelong) and Cloud Campus.
4 Lowest selection rank of an applicant to which an offer was made in 2020.
5 The ATAR is 'unpublished'. 'Unpublished' means the course is available at this campus, but the lowest selection rank of an applicant to which an offer was made isn’t available.

Hear what our students have to say
deakin.yt/study-eng

deeakin.edu.au/course/S460
I chose to study a degree in Civil Engineering because I have an intense curiosity about things and how they work. I love how in engineering, we are presented with a problem and then come up with a solution to fix it.

Kim Chung
Bachelor of Civil Engineering (Honours) student

Career opportunities

As a graduate of this course, you’ll be highly sought-after by industry for your skills in engineering, innovation, leadership, project management and communication, as well as your capacity to astutely anticipate and tackle the unknown challenges of tomorrow. Graduates can expect to gain employment in a wide range of organisations such as construction companies, councils, road and transport authorities, water authorities, government bodies, public works departments and engineering consulting firms.

World-class facilities

Engineering students at Deakin will have access to our state-of-the-art engineering precinct at the Geelong Waurn Ponds Campus and the Institute for Frontier Materials (IFM). You will also have access to civil engineering specialised laboratory facilities, including geotechnical (soil and rock), hydraulics/hydrology (water), structural and durability. Having access to some of the best facilities in the Australian sector allows students to realise and validate their designs through combinations of computer simulation, testing and even prototyping, if required.

Key facilities/laboratories

- Light structures for steel and timber testing
- Concrete lab for large scale testing
- Water and environmental engineering lab
- Geotechnical laboratory for soil and rock response characterisation
- Road design and transport modelling software suites
- Design and realisation studios for computer simulation
- Materials science corrosion and polymer lab
- 3D printers – one of the two largest 3D printing labs in the southern hemisphere
- CNC machining centres

Interested in applying?

Entry requirements

Entry for applicants with recent secondary education* will be based on their performance in Senior Secondary Certificate of Education, with pre-requisite units 3 and 4; a study score of at least 25 in English EAL (English as an additional language) or 20 in English other than EAL and a study score of at least 20 in mathematical methods (any) or specialist mathematics (or equivalent).

Entry for applicants with previous Tertiary, VET, life or work experience:
Prerequisites of English and mathematics as for year 12 school leavers (or equivalent).
Entry will be based on their performance in:

- Senior Secondary Certificate of Education with ATAR of at least 50 or equivalent OR
- Certificate IV in a related discipline OR
- Diploma in any discipline or 50% completion of Diploma in a related discipline OR
- Successful completion of relevant study – equivalent to at least two Deakin University units – at an accredited higher education institution OR
- Evidence of academic capability judged to be equivalent, including Foundation program approved by Faculty Board, or relevant work or life experience.

How to apply

Depending on your course, our flexible trimester system means you may be able to start in Trimester 1 (March), 2 (July) or 3 (November).

If you’re currently enrolled in Year 12 or a recent secondary applicant (ie. have completed Year 12 in the past two years)
You can’t apply directly to Deakin. You can apply via VTAC, www.vtac.edu.au. Note that when you apply via VTAC, you can’t also apply directly to Deakin.

Conversely, if you have previous higher education, VET or work experience, you can apply directly to Deakin. Applications for Trimester 2 or 3 should be made directly to Deakin via the applicant portal, deakin.edu.au/apply.

Professional recognition

Deakin’s Bachelor of Civil Engineering (Honours) is accredited by Engineers Australia, which gives the degree international recognition, allowing graduates to practise as professional engineers in many countries around the world.

Interested in applying?

Entry requirements

Entry for applicants with recent secondary education* will be based on their performance in Senior Secondary Certificate of Education, with pre-requisite units 3 and 4; a study score of at least 25 in English EAL (English as an additional language) or 20 in English other than EAL and a study score of at least 20 in mathematical methods (any) or specialist mathematics (or equivalent).

Entry for applicants with previous Tertiary, VET, life or work experience:

Key facilities/laboratories

- Light structures for steel and timber testing
- Concrete lab for large scale testing
- Geotechnical laboratory for soil and rock response characterisation
- Road design and transport modelling software suites
- Design and realisation studios for computer simulation
- Materials science corrosion and polymer lab
- 3D printers – one of the two largest 3D printing labs in the southern hemisphere
- CNC machining centres

Interested in applying?

Entry requirements

Entry for applicants with recent secondary education* will be based on their performance in Senior Secondary Certificate of Education, with pre-requisite units 3 and 4; a study score of at least 25 in English EAL (English as an additional language) or 20 in English other than EAL and a study score of at least 20 in mathematical methods (any) or specialist mathematics (or equivalent).

Entry for applicants with previous Tertiary, VET, life or work experience:

Key facilities/laboratories

- Light structures for steel and timber testing
- Concrete lab for large scale testing
- Geotechnical laboratory for soil and rock response characterisation
- Road design and transport modelling software suites
- Design and realisation studios for computer simulation
- Materials science corrosion and polymer lab
- 3D printers – one of the two largest 3D printing labs in the southern hemisphere
- CNC machining centres

Interested in applying?

Entry requirements

Entry for applicants with recent secondary education* will be based on their performance in Senior Secondary Certificate of Education, with pre-requisite units 3 and 4; a study score of at least 25 in English EAL (English as an additional language) or 20 in English other than EAL and a study score of at least 20 in mathematical methods (any) or specialist mathematics (or equivalent).

Entry for applicants with previous Tertiary, VET, life or work experience:

Key facilities/laboratories

- Light structures for steel and timber testing
- Concrete lab for large scale testing
- Geotechnical laboratory for soil and rock response characterisation
- Road design and transport modelling software suites
- Design and realisation studios for computer simulation
- Materials science corrosion and polymer lab
- 3D printers – one of the two largest 3D printing labs in the southern hemisphere
- CNC machining centres

Interested in applying?

Entry requirements

Entry for applicants with recent secondary education* will be based on their performance in Senior Secondary Certificate of Education, with pre-requisite units 3 and 4; a study score of at least 25 in English EAL (English as an additional language) or 20 in English other than EAL and a study score of at least 20 in mathematical methods (any) or specialist mathematics (or equivalent).

Entry for applicants with previous Tertiary, VET, life or work experience: