Learn to inspire the design, construction and management of civil infrastructure in an internationally recognised degree that opens global opportunities.

Deakin’s Bachelor of Civil Engineering (Honours) prepares you to be an industry-ready civil engineer capable of planning, designing, constructing and maintaining the built infrastructure systems that are necessary for our day-to-day lives including buildings, transportation networks, water and wastewater systems.

Course overview
This course covers the broad range of civil engineering disciplines related to structural, water, geotechnical, transportation engineering and civil engineering materials. Throughout the course you’ll learn how to apply scientific and engineering principles to address complex problems and develop innovative solutions that are beneficial to an organisation and the wider community. You will also gain an insight into the social, cultural, global and environmental responsibilities of the modern engineer while designing civil engineering infrastructures which meet international standards and encompass best practice.

Professional industry experience
Professional Engineering Practice is a compulsory unit in all Deakin engineering degrees. This means you will have a minimum of 60 days of work experience in one or more organisations, giving you insight into your future career options and developing your professional networks before you graduate.

You will also study a range of project-oriented design-based learning and project-based learning units, bringing together theory, site studies and laboratory investigations, including Water Engineering Design and Geotechnical Investigation and Design, for example.

Course structure
Bachelor of Civil Engineering (Honours)

Location: Melbourne Burwood Campus¹, Geelong Waurn Ponds Campus and Cloud Campus²

Duration: 4 years full-time study (or part-time equivalent)

Intake: March (Trimester 1), July (Trimester 2)³

Deakin code: S460

ATAR score: [371.65] [N/A] [65.65]

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 can choose to complete their course requirements either at 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 2018.
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 in isn’t available.
‘I chose to study a degree in Civil Engineering because I always loved math and how it provides you with a right and wrong answer. I love how we see a problem and come up with a solution, as well as the satisfaction that comes along with fixing things.’

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, water authorities, government bodies, public works departments and as consulting engineers.

World-class facilities
Engineering students at Deakin will use world-class facilities located within the Centre for Advanced Design in Engineering Training (CADET) building at the Geelong Waurn Ponds Campus and the Institute for Frontier Materials (IFM). 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, prototyping, testing and manufacturing.

Key facilities/laboratories
- Virtual reality (VR) lab
- 3D printers - one of the two largest 3D printing labs in the southern hemisphere
- Design and realisation studios
- Deakin AusNet Services electrical engineering lab
- Materials science corrosion and polymer lab
- Concrete and structural testing facilities
- CNC machining centres
- Mechatronics and electronics lab
- High voltage lab - capable of reaching voltages up to 500kV
- Digital manufacturing lab
- Network sensing control lab

Find out more at deakin.edu.au/engineering/cadet

Interested in applying?
Entry requirements

Entry for applicants with recent secondary education (previous three years) will be based on their performance in the Victorian Certificate of Education (VCE) or its equivalent, 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 (in 2018), applications for Trimester 1 must be made through VTAC, www.vtac.edu.au. Note that when you apply via VTAC, you can’t also apply directly to Deakin.

Conversely, you can apply directly to Deakin for Trimester 1 if you’re not currently enrolled in Year 12 and you haven’t submitted a VTAC application (so long as you’re just applying for one course).

Applications for Trimester 2 or 3 should be made directly to Deakin via the applicant portal, deakin.edu.au/apply.