



Bachelor of Civil Engineering (Civil and Environmental Management)

The Bachelor of Civil Engineering (Civil and Environmental Management) aims to prepare students for a professional career in Civil Engineering and Environmental Management with emphasis on project-based and industry focussed learning for sustainable development of environment-related infrastructure. All civil engineering developments must take into account the environmental impacts associated with them.

In addition to core civil engineering knowledge, graduates from this program will have the skills and knowledge to work in areas such as assessment and remediation of contaminated sites, undertaking environmental impact assessments and the development and implementation of environmental management systems for major projects.

What will I study?

The first two years of the program provide a broad base in engineering and science courses needed for civil engineering careers as well as providing hands on experience in areas such as concrete technology and surveying, and an introduction to the main specialisations available in civil engineering.

In third year students focus in detail on the disciplines of structural, water and wastewater, geotechnical and environmental engineering – and their interaction with the environment. Fourth year provides students with the opportunity to specialise in the area of Environmental Management in a civil engineering context.

Students who successfully complete this program have the opportunity to gain credit for four courses if they successfully apply to enter the Master of Environmental Management and Sustainability (LMES), which they can then complete after graduation from the Bachelor's degree with an additional year of full-time study.

Accelerated three year engineering program

It is possible to complete this program in less than four years by undertaking courses offered during study periods 1, 4 and 7. This accelerated option will be offered by the program director to students who achieve outstanding grades in the first year

Who will employ me?

This degree prepares graduates for careers as professional civil engineers in design consultancies, government agencies, the construction industry or related areas. Graduates are recognised by employers as being industry-ready and have consistently achieved excellent employment outcomes and high commencing salaries, particularly in the areas of construction, project management and design consultancy.

Graduates from the Civil and Environmental Management degree will be particularly suited to positions in consulting firms with environmental specialisations such as Golder & Associates, PB Consultants, Maunsell (and many others) as well as companies such as SA Water, DTEI and local government.



Your career. Your vision.

SATAC code 434861
 UniSA program code LBMI
 CRICOS Code 067385B

TER: N/A
 Program Length: 4 years
 Prerequisites: SACE Stage 2 Mathematical Studies
 Assumed Knowledge: SACE Stage 2 Physics
 Home Campus: Mawson Lakes
 Accepts Special Entry(STAT): Yes
 External Study Available: No
 Part Time Study Available: Yes
 TAFE Credit Available: Yes
 Honours Study Available: Yes
 Program Fees: Commonwealth Supported
 Program Fees (International Students Only): A\$21,800
 Scholarships Available:
www.unisa.edu.au/scholarships
 Year 12 Subject Bonus Points: Bonus points granted for Mathematics (Methods, Studies or Specialist) and selected Science subjects. For more information refer to www.unisa.edu.au/future/year12/bonuspoints

School of Natural and Built Environments

unisa.edu.au/nbe

Further Information

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CRICOS provider number 00121B

The University of South Australia reserves the right to alter, amend or delete any program, fee, course, admission requirement, mode of delivery or other arrangement without prior notice.

Information correct as at Aug 2009

Graduates from the civil engineering programs have had a 100 per cent employment rate for several years. Previous graduates have found employment with companies such as, Bardavcol, Built Environs, Greenhill Engineers, Connell Wagner (now Aurecon), Leed Engineering, and SA Water.

Professional Recognition

The successful completion of the Bachelor of Engineering (Civil and Environmental Management) program is designed to meet the requirements for graduate membership of Engineers Australia and comparable international institutions through the Washington Accord.

Honours

Students achieving a credit level average at the end of third year will be allowed to enrol in honours in fourth year. Successful completion of the program and the honours project course may lead to the award of the degree with honours.

What does it take?

Modern civil engineers understand and attempt to minimise the possible effects of development on the natural environment. They regularly consult with community representatives on community concerns and work in multidisciplinary team environments. They therefore require the ability to communicate effectively and to manage people and resources.

Students undertaking this degree should have an inquiring mind with good verbal and written communication skills. Students should have an interest in science as well as social, administrative and management issues, should enjoy working outdoors, and be prepared to travel.

Division of Information Technology, Engineering and the Environment Scholarship Scheme

High Achiever Scholarships: High Achiever Scholarships valued at \$5,000 each will be available to School Leavers with a TER of at least 97 or above (exclusive of bonus points) enrolled full-time in the first year.

High Achiever School Leaver Equity Scholarships: A small number of High Achiever School Leaver Equity Scholarships

valued at \$5,000 each per year will be awarded to School Leavers with a TER of 90 or above (exclusive of bonus points) who meet specified equity criteria and are enrolled full-time in the Bachelor of Engineering program. The scholarships are available to School Leavers who have not previously commenced higher education and who meet low socio-economic status criterion. Students must apply for the

Scholarships and be able to substantiate claims of financial hardship. Recipients must be an Australian Citizen or Permanent Resident.

Why study Engineering at UniSA?

Professional engineering practice

- ✓ Industry based projects
- ✓ Strong links with industry
- ✓ Experienced teaching staff
- ✓ Three year accelerated engineering program
- ✓ Common first year structure
- ✓ First year engineering students have access to the Experience 1 Studio technology rich learning hub
- ✓ A wide range of engineering programs
- ✓ Studying engineering at UniSA is recognised by International Engineering Alliance, through by the Washington Accord. Further information can be found at: www.washingtonaccord.com

Further information about studying Engineering at UniSA can be found at: www.unisa.edu.au/itee/engineer

