Bachelor of Engineering (Civil) (Civil and Environmental Management) (Civil and Project Management) (Civil and Structural) (Civil and Transport) (Civil and Water Resources Management)

Course code: U910
CRICOS code: 09409G
Campus: Mawson Lakes, Adelaide
Length: 4 years full-time study
Intakes: February and July
Prerequisites: secondary school maths
Assumed knowledge: secondary school physics
Tuition fee in 2013: AU$26,250 per year of study

Entry requirements
- Australian ATAR 75
- IB 27 (60)
- Malaysia SPM 7 (60, 3)
- Malaysia UEC 28
- GCE A Levels 7
- Other secondary school qualification
- Degree, diploma, associate diploma or certificate from a recognised institution
- Completion of a recognised university foundation program

English language requirements
Applicants must satisfy one of the following conditions for entry:
- IELTS 6.0 with reading 6.0 and writing 6.0
- TOEFL IBT 80 with no band less than 20
- TOEFL PBT 550 with TWE 4.5
- Cambridge O/E/A/C E
- Centre for English Language at UniSA Academic English Level 4
- Completion of a secondary qualification in Australia in past two years
- Completion of at least one year of tertiary study in Australia in past two years
- Completion of one year of secondary or tertiary study conducted and completed in English in the past two years in a country in which English is commonly used, as determined by the university

How to apply
Applications for this program are made through the UniSA Apply Online portal or through an education agent: www.unisa.edu.au/international

For further information about degrees at University of South Australia:
Call to Australia +61 3 8627 4004
Call within Australia: 1300 181 58
Email: international.office@unisa.edu.au
Website: www.unisa.edu.au/civengineer

Credit transfer
For students with prior studies in engineering related courses at a recognised institution, University of South Australia may allow the transfer of credit to reduce the number of courses required to study in Adelaide. Students from the following institutions have successfully applied for and received credit for prior studies:
- Inti College
- Taylor’s College
- Curtin University Sarawak
- Swinburne Sarawak
- Laila Taib College
- Institut Eksekutif
- South Australia Institute of Business & Technology (SAIBT)

Even if your institution is not listed here, all students are eligible to apply for credit transfer as part of the application process to enter the degree. Details are found on the application form.

To check the amount of credit that may be awarded please consult:
http://www.unisa.edu.au/international/credit/default.asp

University of South Australia (UniSA) offers six degrees in civil engineering to cater for the different interests and professional aspirations of students:

Bachelor of Engineering (Civil) (Civil and Environmental Management) (Civil and Project Management) (Civil and Structural) (Civil and Transport) (Civil and Water Resources Management)

Program overview
Civil engineers serve society by developing infrastructure such as bridges, buildings, airports, roads, railways, water and wastewater supply, treatment and reuse systems. Civil engineers are creative and innovative problem solvers who design, construct, manage, maintain or rehabilitate all aspects of this infrastructure. UniSA’s civil engineering bachelor degrees place particular emphasis on the application of theory through focused project and assignment work so that graduates are prepared for their careers from their first day on the job.

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. As a student undertaking this degree you should have an inquiring mind with good verbal and written communication skills. You should also have an interest in science, social, administrative and management issues, enjoy working outdoors and be prepared to travel.

Professional accreditation and further study
This program is professionally accredited by Engineers Australia. After graduation students can complete a master’s degree in engineering, environmental management, transport engineering, water resources or project management with an additional one year of full-time study.

Why study at UniSA?
>> UniSA has invested $73 million in new technology research and learning institutes and centres at its spacious Mawson Lakes campus

>> UniSA students get real-world experience. All students undertake a three month industry experience in their final year giving them valuable exposure to potential employers. By the final year of the degree, more than half of the coursework is project based, including a major industry-related research project and a class design project that models industry practice.

>> UniSA is the only university in Adelaide to offer the opportunity to complete this degree in three years rather than four to students who achieve outstanding grades in the first year.
What will I study

In the first year all engineering students study eight core engineering courses. These courses provide a practice-centred foundation to engineering that exposes you to the breadth of cross-disciplinary studies as well as how engineering is applied in industry. You will undertake a number of hands-on engineering projects including participation in the Engineers Without Borders challenge. The second year of the program develops broad technical knowledge and skills in civil engineering. In third year, you focus in detail on the disciplines of structural, water and wastewater, geotechnical and environmental engineering. Fourth year provides you with the opportunity to continue with a broad cross-section of civil engineering studies or to specialise in an area of engineering. Half of the fourth year is devoted to project work, both design and research.

Work in Australia

Commencing in 2013, students who have completed at least two academic years of study at University of South Australia and graduated with a Bachelor or Masters by coursework degree will be eligible to apply for a Post Study Work Visa allowing them to work full-time in Australia for a period of two years*.

Moreover, under the Post Study Work Rights arrangements international students can obtain access to the University of South Australia’s Engineering Internship Program. The Program prepares engineering students for work through a 4 week intensive course in engineering professional practice followed by a 15 week internship. Students also attend industry information and networking events, conferences, site visits and professional association meetings. At the end of the program, students emerge with an unbeatable network of contacts with employers and are favourably placed to find their ideal Post Study job opportunity.

(*Currently at least two years of work is available, however this is subject to change by the Department of Immigration and Citizenship and may be changed at any time.)

Civil engineering students from Malaysia

Ronny Chait Rong Huang (right) from Miri and Daniel Lee Jun Qi (left) from Kota Kinabalu graduated with Honours in civil engineering from the University of South Australia (UniSA) in 2011. Ronny and Daniel were among the top 20% of students in their grade and were selected to undertake special research that will result in major benefits for companies in the water and power industries. Before entering UniSA, the two laid good foundations through studies at Inti College in Kuching and Curtin University Sarawak in Miri.

What have been the benefits of studying at UniSA?

Ronny: My degree has a focus on environmental management so I researched how to purify water through a number of tools including filters and pipes and how to arrange them in the most efficient way. Given the large demand for clean drinking water, it has been very rewarding to see that the knowledge and skills I have learned through my degree will have some real benefit for people all over the world.

Daniel: My final year project examined the various types of stress put on electric power transmission towers with the aim of improving their cost and effectiveness. It has been a great opportunity to use all of the knowledge I have learned over the course of my degree to produce a real practical benefit for an industry partner.

What were your final year projects about?

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What have been some of the challenges you came across in your studies?

Ronny: For me the toughest part was adapting to the language environment since I was totally surrounded by English and expected to think in English most of the time. University of South Australia offers free counselling and advice to foreign students to help us complete our academic work and improve confidence in English.

Daniel: This is a really important service for students. The teachers are all very friendly and willing to help so there is no need to be afraid to ask for help.

How do you find living in Adelaide?

Ronny: I live close to campus so it is very convenient for getting to the library and shops. Plus there are lots of recreational facilities close by such as tennis, golf, basketball and beach volleyball. Living costs in Adelaide are estimated to be 20% lower than those in Sydney or Melbourne, making it a very affordable and convenient place for students to live.

Daniel: Adelaide offers plenty of lifestyle choices – you can find lots of activities to do in the downtown area, but also peace and quiet if you prefer. I prefer to live in the downtown area because there are more social activities and you can meet people from around the world.

What are your plans for the future?

Ronny: I intend to return to Malaysia to work in industry in Borneo. Civil engineering is a good profession because there is always high demand for engineers and the salary prospects are good too.

Daniel: I’m interested in doing more research so I intend to take one more year and study for a master degree in civil engineering.
What will I study

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What have been the benefits of studying at UniSA?

Daniel: UniSA’s emphasis on practical project training gave us lots of opportunities to apply the theories that we learnt. One of the most beneficial projects for me was a project management workshop in which we worked in teams to design and carry out a complex engineering project. It really gave me an understanding of how things work in an actual construction company so I can feel completely confident when working in this industry. Another highlight was a course in which we went to a remote location in the Australian desert to design and build houses for local people.

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For further information about degrees at University of South Australia:
Call to Australia: +61 3 8677 4064
Call within Australia: 1800 181 181
Email: international.office@unisa.edu.au
Website: www.unisa.edu.au/engineering

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