



University of
South Australia

Associate Degree in Engineering

Experience. The Difference.



We live in a developing world and embedded within almost every innovation and development is an aspect of engineering.

A profession that can take you around the world – engineers are sought after by many organisations, often progressing into senior levels of management and even to chief executive officer positions.

UniSA's Associate Degree in Engineering is a unique pathway program into the Bachelor of Engineering degree.

Program Overview

In response to the growing need from industry for more skilled engineers, the University of South Australia (UniSA) has developed the Associate Degree in Engineering. This unique pathway program has been designed to allow students who do not have the traditional background of science and maths to start studying towards a Bachelor of Engineering degree.

What will I study?

Students study introductory courses in Mathematics, Physics and Chemistry and eight core engineering courses common with the Bachelor of Engineering programs, including Computer Techniques, Engineering Materials, Mathematical Methods for Engineers 1 and 2, Sustainable Engineering Practice, Electrical and Energy Systems, Engineering Design and Innovation and Mechanics and Physics.

Students are quickly exposed to the breadth of engineering, its possibilities and, through project-based learning, how it is actually practised in the real world. The program requires students to undertake a number of hands-on engineering projects including participation in the Engineers Without Borders challenge.

Students are able to choose engineering electives from the streams of engineering offered at UniSA: Civil Engineering, Electrical and Information Engineering, Mechanical Engineering and in

the new stream of Materials Engineering. The amount of credit received towards an engineering program can be increased by selecting electives in only one stream; for example, selecting electives in only the Civil Engineering stream will give students more credit towards the Bachelor of Civil Engineering program. Alternatively, selecting a number of different engineering electives will give students an opportunity to experience a broader range of engineering disciplines, which will assist with deciding which Bachelor of Engineering program to subsequently enter.

Credit in the Bachelor of Engineering

On completion of the Associate Degree in Engineering students will be granted up to 12 courses credit in the Bachelor of Engineering program of their choice. The amount of credit granted is dependent on the chosen stream and the elective course completed in the second year of the Associate Degree.

UniSA Program Code:
LTEN

CRICOS Code:
066197C

Program Length:
2 years

Home Campus:
Mawson Lakes

2009 Annual Fee:
A\$19,800 for 36 units

2009 Total Program Fee:
A\$39,600

2010 Annual Fee:
A\$21,800

2010 Total Program Fee:
A\$43,600





Further Information

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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 at time of printing April 2009.

CRICOS provider number 00121B

What does it take?

Students should be good problem solvers and show a passion for understanding new gadgets and technologies. They need to be able to think scientifically, critically analyse information and have good interpersonal skills.

Entry requirements

Completion of equivalent Australian Year 12 (for international equivalence please see www.unisa.edu.au/international/docs/UniSA_2009_UG_Table.pdf) with a minimum Australian Tertiary Entrance Rank of 65, and the equivalent of Year 11 Mathematics and one Science course.

International English Language Testing System (IELTS Academic): Minimum score of 6.0 in Reading and Writing subscores and minimum overall score of 6.0 obtained within the last two years.

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 technology rich learning hub
- ✓ A wide range of engineering programs
- ✓ Studying engineering at UniSA is recognised by the Washington Accord International Engineering Alliance, further information can be found at: www.washingtonaccord.com

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

Pathways

Upon successful completion of the Associate Degree in Engineering students are eligible for entry into one of the following degrees:

Civil Engineering

- Bachelor of Engineering (Civil)
- Bachelor of Engineering (Civil and Project Management)
- Bachelor of Engineering (Civil and Transport)

Electrical and Information Engineering

- Bachelor of Engineering (Computer Systems)
- Bachelor of Engineering (Electrical and Mechatronic)
- Bachelor of Engineering (Electronics and Communications)
- Bachelor of Engineering (Networking and Communications)

Mechanical Engineering

- Bachelor of Engineering (Materials)
- Bachelor of Engineering (Mechanical)
- Bachelor of Engineering (Mechanical and Advanced Manufacturing)
- Bachelor of Engineering (Mechanical and Mechatronic)
- Bachelor of Engineering (Mechanical and Sustainable Systems)
- Bachelor of Engineering (Mechanical and Nanotechnology)
- Bachelor of Technology (Mechanical and Manufacturing Engineering)

A range of double degrees are also available. Further information about all engineering programs can be found on the UniSA website: www.unisa.edu.au