

Graduate Certificate in Professional Engineering Practice

Experience. The Difference.



Do you have an undergraduate degree in Engineering but need to acquire experience in your chosen field? If you want to gain the experience, skills and attributes to become a professional engineer then this is the program for you!

Why Professional Engineering Practice?

Nationally and internationally, employers have expressed a preference for graduates with proven experience in an engineering work environment. This program develops critical skills and provides significant exposure to professional engineering practice through a structured work placement within an engineering enterprise. Students of this program will gain first-hand experience of the engineering work environment, practices and culture, and will exceed the minimum requirements set by Engineers Australia's Accreditation Board for students' exposure to professional engineering practice. The initiative addresses the national skills shortage by better preparing students, making them accessible to industry during their studies, and enabling improved graduate - employer matching.

What will I study?

This program comprises a course taught in intensive mode that will develop students' understanding of professional engineering practice and management in relation to employers, employees, clients, professionals from other disciplines, and society in general. This is followed by a 15-week structured project-oriented work placement in industry that provides an excellent opportunity for students to demonstrate their capabilities and potential as engineering practitioners.

Activities during the program will connect students with practising engineers through specialist lectures, networking, and participation in professional engineering activities. Students will acquire attributes and skills, including job application skills, which directly prepare them for employment or postgraduate studies in engineering. They will gain an awareness and understanding of the structure and organisation, workplace attitudes and culture, work methods, and the roles and responsibilities of engineering enterprises and practitioners. They will further develop their oral presentation and written communication skills, and have the opportunity to contribute to a technical or commercial project as an individual and as a member of an engineering team.

Professional recognition

This program will provide students with the professional recognition and accreditation to pursue many avenues of engineering. Students who undertake this program will not only gain the industry experience necessary for achieving a career as a professional engineer, but will also cultivate valuable industry relationships.

Applications

Domestic students only
Applications for these programs are made to SATAC: www.satac.edu.au

Fees for domestic students are Commonwealth Supported thus permitting either payment of fees up front or with the deferred payment options.

International students only
Applications are made directly to the University:
www.unisa.edu.au/applyonline

School of Electrical and Information Engineering
www.unisa.edu.au/eie

Location:
Mawson Lakes campus

Program contact:
Graham Mitchell
School Administrator
School of Electrical and Information Engineering
Phone (08) 8302 3556
Email: graham.mitchell@unisa.edu.au

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.

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Why UniSA?

UniSA believes that one of the best teachers is experience. This program provides the best sort of experience possible, which is experience working in an engineering environment.

The course work component of this certificate program is delivered by current engineering professionals who provide instruction on the non-technical areas of an engineer's employment. Delivering presentations, running meetings, using project management tools and managing operational OHS&W requirements are other aspects of the engineering professional's role.

UniSA has excellent links with industry partners and they as guest lecturers provide this relevant and valuable teaching. This program is not discipline specific and would be suitable to all students in an engineering or even scientific field.

Who will employ me?

As this program is open to students who have undertaken a variety of different engineering pathways, employment opportunities are diverse. This program will provide students with the skills and experience to undertake a career in their chosen field of engineering. Students not only gain valuable experience but also an appreciation of the important non-technical aspects of engineering such as sustainable development, people management, financial management, marketing, international relations, occupational health and safety, ethics, and quality assurance. As a result they will have a significant advantage in seeking fulfilling, well-paid employment.

Who is eligible?

This program may be undertaken by graduates from any discipline of engineering, or in conjunction with any of the Bachelor of Engineering programs offered by the University of South Australia. Current University of South Australia engineering students should apply internally for admission to this program.

To be eligible students will need to have a completed Bachelor of Engineering degree from a recognised higher education institution or equivalent; or have successfully completed at least 99 units of a Bachelor of Engineering degree at the University of South Australia in which the student is currently enrolled.

