

Master of Engineering (Engineering and Technology Management)

- + Graduate Certificate
- + Graduate Diploma
- + Masters Degree

Experience. The Difference.



The School of Advanced Manufacturing and Mechanical Engineering offers exciting postgraduate programs which are aligned with its research strengths and tailored specifically for future leadership in engineering and new emerging industries.

Program overview

The Master of Engineering (Engineering and Technology Management) program provides graduates with the knowledge and skills for a managerial career in engineering and technology. The program consists of a number of foundation courses in project management, engineering costing, quality management and engineering research methods. This is followed by specialist elective courses in the area of Engineering and Technology Management. Students also have the opportunity to select other general elective courses to suit their career needs.

Graduates of this program will find a variety of potential career paths, such as management consultant, international engineering business adviser, technical leading engineer, business unit manager, or engineering development manager.

The program is offered in a nested structure where students can initially enrol in a Graduate Certificate of Engineering. If they wish, students can then extend their studies into a Graduate Diploma and then Master of Engineering.

The Master of Engineering (Engineering and Technology Management) can also be taken in conjunction with selected streams of the LGPP Graduate Diploma in Professional Practice. This integrated package can be completed in two years of full-time study, leading to the award of the Graduate Diploma in Professional Practice and Master of Engineering.

Program information

The Master of Engineering (Engineering and Technology Management) program provides extended skills and knowledge in key areas of technology management that are important for engineers working in a range of organisations. Courses covered include operations management, enterprise resource planning, technology innovation and principles of research and development, and manufacturing systems and strategies.

Entry requirements

Applicants would normally hold a degree in engineering, science, management, information technology, or an equivalent qualification. Applicants with relevant work experience who either hold a degree in a discipline such as business, marketing or international studies, or hold a lower qualification, will be assessed on a case by case basis.

Fees and applications

Domestic students are eligible for the Commonwealth Government's Higher Education Loan Program (HELP). Further information can be found at: www.unisa.edu.au/future/fees/commonwealthsupported.asp

Domestic students apply for this program online via SATAC's GradStart www.satac.edu.au/univeb

International students apply for this program via UniSA's Apply Online portal www.unisa.edu.au/applyonline

Graduate Certificate in Engineering (Engineering and Technology Management)

Program code: LGEN

Home campus: Mawson Lakes

Program duration: 0.5 year (full-time), 18 units

Graduate Diploma in Engineering (Engineering and Technology Management)

Program code: LGEG

Home campus: Mawson Lakes

Program duration: 1 year (full-time), 36 units

Master of Engineering (Engineering and Technology Management)

Program code: LMEN

Home campus: Mawson Lakes

Program duration: 1.5 years (full-time), 54 units

Part time options are available for all these degrees.

Fees and further information

Domestic applicants

Dr Sang-Heon Lee

Program Director

School of Advanced Manufacturing

and Mechanical Engineering

Mawson Lakes campus

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International applicants

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Email: international.office@unisa.edu.au

Website: www.unisa.edu.au/inthome

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CRICOS provider number 00121B

This program prepares graduates to better meet the challenges of the workplace and contribute to shaping new directions in society.

Study schedule

The Program Director can assist students in choosing a particular program of study appropriate to individual backgrounds and professional interests. Further information about this program can be found at www.unisanet.unisa.edu.au/programs and select the relevant program code.

Course	Graduate Certificate	Graduate Diploma	Masters
Project Planning and Control G	●	●	●
Engineering Economic Analysis	●	●	●
Total Quality Management	●	●	●
Engineering Research Methods	●	●	●
Management of Advanced Manufacturing Technology	□	□	□
Technology Innovation and Principles of R&D Management	□	□	□
Leadership of the Future in Manufacturing and Management	□	□	□
Manufacturing Systems and Strategies	□	□	□
Enterprise Resource Planning	□	□	□
Operations Management Systems	□	□	□
Supply Chain Management G	□	□	□
Minor Thesis 1 (Eng)			□
Minor Thesis 2 (Eng)			□
Cases in Engineering Applications			□
Energy Management for Sustainability	○	○	○
The Role of the Energy Manager	○	○	○
Life Cycle Analysis and Costing for Sustainability	○	○	○
Energy and Society	○	○	○
Design for Six Sigma	○	○	○
Supply Chain Modelling and Simulation G	○	○	○
Logistics Engineering G	○	○	○

- Foundation courses
- Specialist Elective courses
- General Elective courses

1. The program requires the completion of 54 units of study which can consist of either:
 - a) 10 x 4.5 unit courses and Cases in Engineering Applications (9 units) OR
 - b) 8 x 4.5 unit courses and Minor Thesis 1 [Eng] (9 units) and Minor Thesis 2 [Eng] (9 units) OR
 - c) 10 x 4.5 unit courses and Minor Thesis 1 [Eng] (9 units)
2. Minor Thesis 1 (Eng), Minor Thesis 2 (Eng) and Cases in Engineering Applications are 9 unit courses and all other courses are 4.5 units
3. Students must complete at least three x 4.5 unit foundation courses, one of which must be Engineering Research Methods
4. Students must complete at least four x 4.5 unit specialist courses relevant to the specialisation they are undertaking