



Master of Engineering Transport Systems Engineering

Program Information	Location	English	2009 Fees	Further Information
<p>Program code: IMEN</p> <p>Program content: 54 units</p> <p>Duration: 1.5 years</p> <p>Program CRICOS code: 051833C</p> <p>Intake: Study Periods 2 and 5</p>	<p>City East campus</p> <p>Transport Systems Centre</p> <p>www.unisa.edu.au/tsc</p>	<p>IELTS overall 6.0 (minimum 6.0 in each band)</p> <p>TOEFL overall 575 paper based 232 computer based 90 internet based</p> <p>CELUSA Successful completion of an Academic English Program to the required standard</p>	<p>Total program fee: A\$29,700 (for 54 units)</p> <p>(see Note 2)</p>	<p>Email: International.office@unisa.edu.au</p> <p>Dr Wen Long Yue, Program Director wen.yue@unisa.edu.au</p> <p>Web: Program www.unisanet.unisa.edu.au/programs/?Year=2008 (insert Program Code IMEN)</p> <p>General www.unisa.edu.au/international</p>

Are you passionate about traffic management, traffic systems design, intelligent transport systems and transport planning? Do you have an undergraduate degree in science and engineering, and want to advance your knowledge and potential in pursuing specialised post graduate education? Then the Master of Engineering in Transport Systems Engineering might be just what you are looking for.

About the program

The postgraduate programs in Transport Systems Engineering are designed to provide Masters level expertise in managing, designing and planning of transport systems and continuing education for graduate students with professional interests in the area of transport systems engineering and transport planning. The course will enhance the concepts and theories in different aspects of traffic/transport engineering. In addition, students will develop the capacity and skills to undertake independent research and the ability to analyse and report on research procedures and findings.

University of South Australia's Transport Systems Engineering programs will help to develop skills:

- to understand, design, manage and plan current and future transport systems
- of multi disciplinary approach
- of using traffic/transport software
- of spatial data analysis and management

Entry requirements

Applicants will ideally possess a four year engineering or science degree. Applicants should have completed their undergraduate degree at a level equivalent to Australian honours or be able to demonstrate equivalent work experience.

Industry

The Transport Systems Centre (TSC) has become one of Asia-Pacific's leading centres for academic excellence in traffic engineering, transport planning and environmental studies. The Centre prides itself on its multi-disciplinary approach – its strong links with government, industry and community, its strong national and international collaborative links, and its inclusivity and capability for lateral thinking. Activities include strategic and applied research, expert consultancy, teaching and learning at postgraduate and undergraduate levels, and professional development programs. TSC is an international node of excellence in transport systems modelling, transport-land use-environment interaction, intelligent transport systems, transport policy analysis and logistics.

The Centre's research and its graduates are having a significant impact throughout our region in developing more sustainable transport and logistics systems. The Centre was one of the first research centres at UniSA to gain formal recognition by the University and is now working with key UniSA centres with expertise in systems and technologies as part of the Institute for Sustainable Systems and Technologies. The Institute provides advanced multi-disciplinary capability across a range of systems and technologies which underpin Sustainable Human Settlements.

TSC is dedicated to the long term solution of transport related problems through academic and research endeavour. For more information on the Transport Systems Centre: www.unisa.edu.au/tsc

Graduate Certificate and Graduate Diploma

Exit options exist at Graduate Diploma level (after completion of 36 units) and Graduate Certificate level (after completion of 18 units).

Program content

Students will be required to complete coursework comprising 36 units and Minor Thesis for 18 units. For the coursework, 18 units must be obtained from the core courses with the remaining units obtained from the elective courses to a maximum of 18 units.

Minor Thesis Transport Systems 1	9.0 units
Minor Thesis Transport Systems 2	9.0 units
Core courses (minimum 18 units)	
Introduction to Geographic Information Systems	4.5 units
Road Safety Engineering	4.5 units
Traffic Systems Engineering N	4.5 units
Transport Data Analysis and Statistics	4.5 units
Transport Network Analysis N	4.5 units
Transport Survey Methods	4.5 units
Engineering Research Methods	4.5 units
Elective courses (maximum 18 units)	
Case Studies in Transport	4.5 units
Directed Project in Transport	4.5 units
ITS Technology and Systems Integration	4.5 units
Geo-Spatial Applications in Transportation	4.5 units
Transport and Logistics	4.5 units
Transport Economics	4.5 units
Transport, Land Use and Environment N	4.5 units
Transport and Planning	4.5 units
Transport Policy	4.5 units
Transport Systems Planning	4.5 units

Engineers Australia membership

If you intend to seek membership in Australia's engineering profession, we strongly advise that you have your current educational qualifications assessed by Engineers Australia, our peak professional body. Such an assessment will advise you of likely entry to the profession in Australia on completion of your studies. Information about how to apply for a skills assessment can be found at www.engineersaustralia.org.au

Recognition of prior learning

University of South Australia may grant course credit, exemption or studies-in-lieu on the basis of previous study or work experience. Credit will not normally be granted for more than one third of the total units of the program. For University of South Australia policy on credit please visit <http://www.unisa.edu.au/policies/policies/academic/A13.asp>

Contacting University of South Australia

General Enquiry

International students can either telephone or email to obtain information about study opportunities at University of South Australia:

Telephone: +61 3 9627 4854

Email: international.office@unisa.edu.au

Program Enquiry

International students should contact UniSA International or visit the website www.unisa.edu.au/international/default.asp for information about application procedures and specific study opportunities.

UniSA International

Telephone: +61 8 8302 1114

Fax: +61 8 8302 0233

Email: international.students@unisa.edu.au

How to Apply

International students wishing to apply for a program can do so through Apply Online via the weblink below or via email directly to UniSA International.

Email: international.applications@unisa.edu.au

Web: www.unisa.edu.au/international/apply/default.asp#step2

Notes:

1. The information contained in this publication is indicative only and is designed as an aid to students contemplating enrolment at University of South Australia. While every effort is made to provide full and accurate information at the time of publication, the University does not give any warranties in relation to the accuracy and completeness of the contents. The University does not accept responsibility for any loss or damage occasioned by use of the information contained in this publication. The University also reserves the right to discontinue or vary arrangements, programs, courses (units), assessment requirements and admission requirements without prior notice. While the University will try to avoid or minimise any inconvenience, changes may also be made to programs, courses (units), assessment requirements and staff after enrolment. The University may also set limits on the number of students in a program or course (unit). Program and course (unit) information is also published in the University Handbooks, see www.unisa.edu.au/prospective/Program/fees.asp
2. All tuition fees are shown in Australian dollars and are for commencing students for the particular program. Please note that the fee can vary according to the annual program load and total duration. The total program fee must be considered as the cost of the program.
3. Prior to applying to University of South Australia, please refer to the following website for further information on studying in Australia including visa and government requirements, facilities and resources, campus lifestyle, accommodation, living costs, and support services: www.unisa.edu.au/international/predeparture
4. Depending on demand, not all elective courses in the schedule may be offered in any one year. Elective courses are offered subject to student demand and staff availability. Postgraduate courses offered within the University of South Australia or from other universities may be substituted for the elective course(s) with permission of the Program Director.
5. Students will normally enrol in the Minor Thesis TS 1 & 2 in their second year of study. Research topics will normally be identified earlier.
6. No course which is substantially equivalent to a course taken in gaining another award may be included in the program of study unless the previous award is surrendered.