



Master of Water Resources Management

Program Information	Location	English	2009 Fees	Further Information
<p>Program code: LMWM</p> <p>Program content: 54 units</p> <p>Duration: 1.5 years</p> <p>Program CRICOS code: 055264K</p> <p>Intake: Study Periods 2 and 5</p>	<p>Mawson Lakes campus</p> <p>International Centre of Excellence in Water Resources Management (ICE WaRM)</p> <p>www.icewarm.com.au</p>	<p>IELTS overall 6.5 (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\$31,800 (for 54 units)</p> <p>(see Note 2)</p>	<p>Email: International.office@unisa.edu.au</p> <p>Web: Program www.unisanet.unisa.edu.au/programs/?Year=2008 (insert Program Code LMWM)</p> <p>General www.unisa.edu.au/international</p>

The program is designed to provide students with an opportunity to increase their breadth and depth of knowledge and application of skills in the area of water resources management. The wide variety of specialised coursework electives and study options enable students to create a program of study that meets their individual needs. Study options include further coursework, a research project or an industry project. The industry project has been designed to assist students in becoming professionally aware through quality interaction with industry leaders.

Entry requirements

Academic merit (as determined by an assessment of an applicant's qualifications). Completion of:

- 4 year undergraduate degree including honours in a relevant field*
- 4 year undergraduate degree in a relevant field with relevant experience**
- 3 year undergraduate degree plus honours in a relevant field*

* Engineering and Science are considered as relevant fields

** Relevant experience will need to be demonstrated to an appropriate level and will be assessed at the discretion of the International Centre of Excellence in Water Resources Management (ICE WaRM) Board of Studies.

Recognition of prior learning

At the discretion of the Program Director, students may be granted advanced standing for a maximum of two courses and exemption for a maximum of two courses. Advanced standing will not be granted for the core courses, however exemption may be granted for students who are able to provide evidence that they have successfully completed a similar course previously.

Industry

This program is supported by the South Australian Water Centre for Water Management and Reuse by the provision of postgraduate education in the field of hydrology and water resource management. Industry also supports this program through supervision and co-supervision of suitable student projects.

Program content

Students are required to complete a total of 54 units of study, including a minimum of 18 units of core courses and 18 units of elective courses. For the remaining 18 units of study, students are able to choose from the following study options:

- Coursework courses
- Coursework courses (9 units) and Minor project (9 units)
- Research minor thesis (18 units) (made up of Project 1 and 2)
- Industry project (18 units)

Providing that at least 50% of studies are completed at the home institution, students can select a number of electives from other universities including Deakin, Adelaide and Flinders.

Core courses

Global Water Systems 1 – Natural Water Cycle	4.5 units
Global Water Systems 2 – Engineered Water Cycle	4.5 units
Water Resources and Society	4.5 units
Water Resources Planning and Management	4.5 units

Elective courses (complete at least four of the following courses, at least 3 from one stream)

Management of Water Infrastructure

Strategic Asset Management	4.5 units
Facilities and Asset Performance	4.5 units
Introduction to Geographical Information Systems	4.5 units
Engineering Infrastructure Management	4.5 units
Facilities Program Management	4.5 units
Asset Management Service Delivery	4.5 units
Sustainability in Assets and Facilities	4.5 units

Water Quality and Treatment

Advanced Water Quality and Wastewater Mgmt	4.5 units
Water Quality Processes N	4.5 units
Design of Flood and Drainage Systems	4.5 units
Water Quality Modelling	4.5 units
Water Quality Management	4.5 units

Unstreamed Electives

Seminars in Sustainability	4.5 units
Principles of Project Management A	4.5 units
Environmental Impact Assessment	4.5 units
Arid Land Management	4.5 units
Hydrology & Water Resources Advanced Topics 1	4.5 units
Hydrology & Water Resources Advanced Topics 2	4.5 units

Other

Hydrology and Water Resources Project 1	9.0 units
Hydrology and Water Resources Project 2	9.0 units
Industry-Based Project WRM	18.0 units
Engineering Research Methods	4.5 units
Engineering Research Practice	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

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 must complete at least 50% of their studies at their home institution.
6. Students who undertake study option 3 or 4 are required to complete a Engineering Research Methods (ENGG 5006) OR Engineering Research Practice (EEET 5004) course as part of their elective course requirement prior to the commencement of Hydrology Water Resources Projects 1 & 2 (CIVE 5050/CIVE 5051) or Industry Based Project WRM (CIVE 5064). This course will require students to develop a project proposal. This proposal will form the basis of the proposal required to be approved by the Program Director in the study period prior to commencing study option 3 or 4.
7. At the discretion of the Program Director, students that are able to provide evidence that they have successfully completed a similar postgraduate course or can demonstrate knowledge through professional experience, will be eligible to undertake an alternate coursework elective in its place.
8. Students may be allowed to undertake coursework electives from other university postgraduate courses with the approval of the Program Director.
9. Students must satisfy course prerequisites, unless otherwise approved by the Program Director.
10. Students should consult with the Program Director before enrolling in the Hydrology and Water Resources Advanced Topics courses.
11. Students are required to complete at least 3 specialist courses within one stream from streams (1-5).
12. All the ICE WaRM Universities contribute expertise to the delivery of the core courses. These courses and other specified courses are delivered using 'Access Grid', an internet conference facility.
13. It is important to note that not all coursework electives will be offered every year or study period and that timetabling difficulties may prevent enrolment in some electives. Availability of some coursework electives may be subject to minimum enrolment requirements. Students are urged to discuss their coursework electives with the Program Director.