



Master of Professional Computing

Program Information	Location	English	2009 Fees	Further Information
<p>Program code: LMPR</p> <p>Program content: 54 units</p> <p>Duration: 1.5 years</p> <p>Program CRICOS code: 052349G</p> <p>Intake: Study Periods 2 and 5</p>	<p>Mawson Lakes campus</p> <p>School of Computer and Information Science</p> <p>www.cis.unisa.edu.au</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\$27,000 (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 LMPR)</p> <p>General www.unisa.edu.au/international</p>

This program offers a selection of advanced courses from the broad scope of information technology, computer sciences and information systems designed to develop the knowledge and skills required in ICT in a modern business context. Students can choose from a variety of courses to achieve an optimal blend of information technology and information systems skills, also linked to management, to enhance expected career targets.

Associated programs

A Graduate Diploma in Professional Computing is also available.

Entry requirements

Applicants should have a degree with a strong major in Information Technology, Computer Science and/or Information Systems, equivalent to Australian bachelors.

Industry

South Australia has 1,100 Information and Communications Technology (ICT) companies employing an estimated 19,000* people. It has a world class telecommunications infrastructure and a highly skilled productive workforce supported by ongoing training and education through the University and a technical and further education system. A survey conducted by KPMG ranks Adelaide the third most cost competitive city in the world for software and multimedia development and as such South Australia continues to attract multinational companies that include EDS, DHP, General Dynamics and Fujitsu.

Adjacent to the Mawson Lakes campus is Technology Park, a world-class knowledge-based development for technology-related businesses; integrated with an innovative new urban precinct, town centre, the University and recreation facilities.

The School of Computer and Information Science has established partnerships with many prominent local, interstate and overseas ICT companies and organisations. This translates into many benefits for our students including internships, opportunities to collaborate on industry-based projects, and employment opportunities for graduates. For alliances between the School of Computer and Information Science and these organisations visit: www.cis.unisa.edu.au/iap

Professional accreditation and recognition

This program is accredited by the Australian Computer Society (www.acs.org.au).

Program content

You will be required to complete coursework comprising 54 units. Students may select either Masters Computing Project 1 and 2 (18 units) or the Masters Professional Computing Project (9 units) as part of the Core courses. Up to 13.5 units of elective courses may be chosen from Group 1, while the remaining elective courses are to be chosen from Groups 2 or 3.

Core (13.5 or 22 units)

Academic Skills for IT Professionals	4.5 units			
Information Technology Project Management M	4.5 units			
ICT Masters Project 1	9.0 units)			
ICT Masters Project 2	9.0 units)	OR	ICT Masters Professional Project 1	9.0 units

* based on the *ICT Industry Measurement Project*, commissioned by the ICT Council for SA in May/June 2005

Electives (all courses are 4.5 units)

Group 1 (up to 13.5 units)

C++ and Quality Engineering
Computer Graphics
Contemporary Issues in IT M
Databases M
e-Commerce Technology
Information Security Management M
Inter-Enterprise Computing M

Introduction to e-Business M
Introduction to Formal Methods
Java as a Second Language
Mobile Commerce & Technology M
Network Technology M
Objects and Algorithms M
Systems Development M

Group 2

Advanced Computing Seminar
Advanced Human Computer Interaction
Advanced Knowledge Representation
Computer and Network Security M
Computing in Health
Data and Web Mining
Forensic Computing: Tools, Techniques and Investigations

Mobile Applications Development
Mobile Enterprise Workshop
Parallel Reconfigurable and Cluster Computing
Secure e-Commerce
Software Architecture and Software Engineering for Web-based Applications
Virtual Reality
Workflow Management

Group 3

Collaborative Information Systems M
Consultancy Practice M
Information Systems Development Methodologies
Information Technology Strategy and Management M

Integrated Information Systems M
Knowledge Management in Organisations M
Managing Networks & Telecommunications M
Organisational e-Transformation

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. The course Academic Skills for IT Professionals, offered in two study periods per year, must be taken in the first available study period of the program, and if failed, must be repeated in successive study periods until passed. A student who enters the program with the required skills (as determined by the Course Coordinator) will negotiate with the relevant Program Director the substitution of this core course with an elective.
6. Upon successful completion of 8 courses from the Masters Schedule, students may elect to exit with a Graduate Diploma in Professional Computing.
7. Students may substitute Java Programming G (COMP 5024) or Java as a Second Language (COMP 3007).
8. Up to 13.5 units of elective courses **may** be chosen from Group 1. The remaining elective courses are to be chosen from Group 2 or 3. Elective courses outside these groups may be approved by the Program Director.
9. Students may not select both C++ and Quality Engineering (COMP 4023) and Java as a Second Language (COMP 3007) as electives.
10. Students who have completed the Graduate Diploma in Professional Computing may seek entry into the Masters program. Credit will be granted for all courses in the Graduate Diploma in Professional Computing.
11. Students who have completed the Master of Information Technology or the Master of ICT Management may seek entry into this program. Credit of up to 18 units granted to student who completed courses in their previous studies relevant to the Master of Professional Computing program.
12. Students can choose to follow one of the **recommended** tracks – IS track or IT track:
IS track: core (13.5 - 22.5 units) / max 13.5 units from Group 1 / min 18 units from Group 2. The remaining courses can be from Groups 2 or 3
IT track: core (13.5 - 22.5 units) / max 13.5 units from Group 1 / min 18 units from Group 3. The remaining courses can be from Groups 2 or 3