

Bachelor of Information Technology

(Software Development)

May Information Sessions

Mawson Lakes campus: Wednesday 25 May
For more information and to register visit
unisa.edu.au/mayinfosessions

Open Day 2011

City West campus: Sunday 21 August
For more information visit
unisa.edu.au/openday

Festival of Innovation

Mawson Lakes campus: Sunday 25 September
For more information and to register visit
unisa.edu.au/innovation

unisa.edu.au/it

SATAC code	434871
UniSA program code	LBCP
CRICOS code	
(international students only)	067897M
ATAR (February 2011 cut-off)	60.00
Program length	3 years
Prerequisites	None
Assumed knowledge	None
Home campus	Mawson Lakes
Accepts Special Entry (STAT)	Yes
External study available	Yes*
Part-time study available	Yes
TAFE credit available	Yes
Honours study available	Yes
Program fees	Commonwealth supported
(international students only)	(A\$) 22,750 per annum
Scholarships available	unisa.edu.au/scholarship

*Some courses are available in online/external mode, others are only offered internally.

Program overview

If you're interested in developing software development and programming skills in a variety of languages, then you'll find the Bachelor of Information Technology (Software Development) both challenging and rewarding. A key focus is on learning how large software systems are designed and created. You'll be exposed to realworld applications and the latest research developments and technologies

through student placements, internships and research projects with industry partners, providing greater employment prospects after graduation.

What will I study?

In the common first year, you'll study core concepts in information technology, establishing a solid foundation for more advanced coursework in subsequent years. At this point if you wish to change to another specialisation within the

IT program, you will have the opportunity to do so without loss of credit. In the final two years, you'll study core topics leading to a major where you'll gain a solid grounding in the design, implementation and testing of small and large software systems. In the final year, you'll complete a project that puts into practice many of the skills acquired.

What does it take?

To be a successful software developer and programmer you'll need strong analytical skills and be a logical thinker with an interest in problem solving. IT professionals are often required to document solutions and communicate with others, particularly those from a non-IT background. This means good written and verbal communication skills are required, as well as the ability to work well with others. You'll also need an inquiring mind and a flexible, creative approach. Often, the most obvious solution to a problem may not be the best one. IT professionals are required to collect all the facts, often through their own initiative, and analyse them accordingly.

Who will employ me?

In 2010, 79% of UniSA graduates found full time employment and the immediate prospects for employment continue to be very good. Globally many organisations are developing or redeveloping applications to drive value from their IT systems in public and private sectors. Typically, many organisations acquire software frameworks which are adapted to suit their operations. This requires using different tools and techniques to exploit these frameworks so that the applications fit the nature of

the business and its processes. Predominantly, this type of work is undertaken within organisations as the software needs to be aligned to the business and its end-users.

Opportunities for employment exist in Australia and overseas as qualified IT graduates are readily accepted worldwide. Some graduates have even started up their own businesses due to the transferrable nature of software development and programming skills. As a graduate, you can expect starting salaries in excess of other professions and may secure employment at respected, high-profile companies. After completing this program you are likely to be employed in positions such as but not limited to: Software Architect, Software Developer, Testing Manager, Release Manager, Sales Consultant, Quality Manager, Trainer, Application Architect, Strategic Planner, Software Engineer or Programmer.

Professional recognition

This program has been accredited by the Australian Computer Society (ACS). Graduates may be eligible to apply for Professional Membership.

Honours

An Honours degree (LHCP) is available as an additional year of study for those with outstanding academic results.

Additional Notes

Some courses are available in online/external mode, others are only offered internally

Program requirements

FIRST YEAR

First Half

(Study Period 2)

Information Systems

Professional Practice

Problem Solving and

Programming

Information Technology

Fundamentals

Second Half

(Study Period 5)

Web and Database Development

Network Fundamentals

Programming Fundamentals

SECOND YEAR

First Half

(Study Period 2)

Systems Analysis, Design

and Project Management

Data Structures

Discrete Mathematics

Second Half

(Study Period 5)

Web Engineering

User Interfaces

Software Development with C++

Database Technology

THIRD YEAR

First Half

(Study Period 2)

Elective

Agile Development with NET

Operating Systems

Mobile Applications Development

Second Half

(Study Period 5)

ICT Project

Artificial Intelligence

Systems Architecture



Natasha Petito

3rd year Bachelor of Information
Technology (Software Development)

'I chose this program to enhance my previous tertiary qualifications to help provide better job opportunities for my career. The ability to take most courses externally provides great flexibility in allowing me to continue studying while working full-time.

I enjoy working with technical documentation and understanding different type of systems, however I also enjoy the interactions with clients, so working as a business analyst has allowed me to work in a field which addresses all my interests.

If you put in the work anything is achievable, and you can make use of all the help that is available to you as a student. If you get stuck there is always someone who can answer your questions.'

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