



UniSA

Computer and Information Technology

- Information Technology
 - Business Systems
 - Cloud Computing
 - Games and Entertainment
 - Networking and Security
 - Software Development
 - Systems Administration
- Software Engineering
- Double Degrees
- Honours Degrees

2012

Why study Computer and Information Technology at UniSA?

- » Our school is the largest IT school in South Australia with a large variety of courses to fully prepare you for a great career
- » Very personal, student oriented approach to learning, with hands-on relevant learning environment
- » The School has strong industry links through the Industry Alliances Program. This program provides opportunities for real-life projects to make you very employable

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The recent Excellence in Research Australia (ERA) awards recognised UniSA's **Division of Information Technology, Engineering and the Environment** with world-class rankings for leading research in the areas of Mathematical Sciences, Pure Mathematics, Applied Mathematics, Chemical Sciences, Physical Chemistry (Including Structural), Environmental Sciences, Environmental Science and Management, Engineering, Chemical Engineering, Civil Engineering, Electrical and Electronic Engineering, Materials Engineering, Resources Engineering and Extractive Metallurgy and Urban and Regional Planning.

Welcome



The University of South Australia is a university of first choice for career-focused achievers. We provide the widest range of degree programs in South Australia and have a reputation for excellence in our four faculty divisions. At the University of South Australia, some of the world's

brightest minds teach and research in the areas of business, education, arts and social sciences, health sciences and information technology, engineering and the environment.

In the 2010 QS World University rankings, the University of South Australia recorded the biggest increase for an Australian university and we are now in the top 3 per cent of more than 10,000 universities in the world.

The quality of our teaching is regularly recognised by awards such as Citations for Outstanding Contributions to Student Learning, and two of our academics have won the nation's highest honour for university teachers, the Prime Minister's Award for University Teacher of the Year.

It's that quality teaching that helps our graduates in their careers; in 2010 almost 80 per cent of the University's domestic bachelor graduates secured full-time employment, which is above the national average.

Besides providing a high-quality teaching environment, the University of South Australia is a research leader. Our research institutes address research questions in a range of priority areas, including community sustainability, population health, defence and security, minerals science and business.

We have recently had proof that we are on the right track. The first Excellence in Research for Australia assessment – an official national evaluation of the quality of research – showed that 70 per cent of our assessed research is of world-class standard and in several areas we have built research that is performing well above world-class levels. The University's research informs our teaching and learning activities.

As a student at the University of South Australia you will have a world of opportunities open to you: you will be able to develop a capacity for critical and independent thinking; learn the value of research; develop the most up-to-the-minute knowledge of your chosen profession and learn the essential skills in communication and teamwork that will help you forge a successful career.

I wish you luck in all your academic endeavours.

Professor Peter Høj

Vice Chancellor and President

Computer and Information Technology

IT is now in every facet of life: work, family, sport and leisure. The new ways to use computer technology mean that different roles in this exciting profession are emerging every year.

IT demands people who are creative and curious; those who like to push boundaries and want to make a difference in society.

Those who gain great satisfaction in making the business of government and industry more efficient also find fulfilling roles as technical professionals or as systems designers working with business stakeholders. IT graduates also have great opportunities to start their own businesses and become tomorrow's great entrepreneurs and innovators.

UniSA's School of Computer and Information Science is the largest IT school in South Australia and one of the most dynamic and exciting schools in Australia. We strive to give you an educational experience beyond expectation, enabling you to reach their full potential. This is reflected in our flexible

and innovative teaching methods delivered by highly qualified staff with a wealth of industry knowledge and expertise.

We have spent a lot of time designing our programs so that they continue to reflect what employers are telling us they want and expect of our graduates. In 2012 we will be introducing both System Administration and Cloud Computing to our already diverse program suite. Both of these leading edge programs reflect emerging fields in IT which already have strong employment opportunities for graduates. See the program specific page in this booklet for further information on these programs.

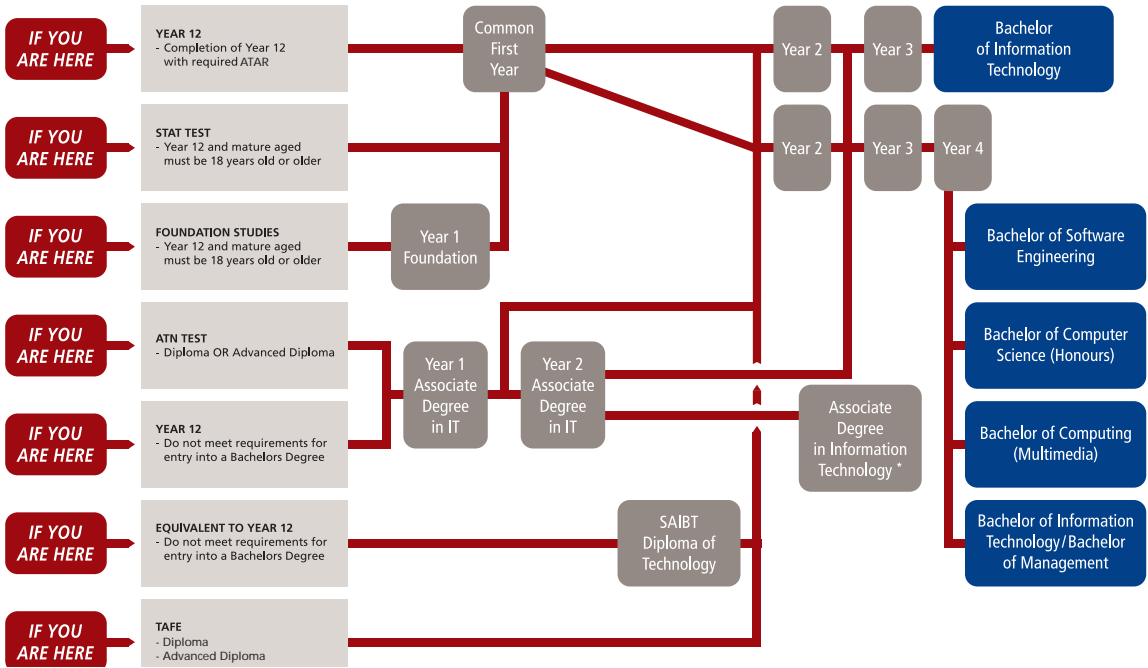
We are dedicated to creating and establishing tomorrow's IT leaders through a comprehensive choice of industry-relevant degree programs which combine real-world experience with the expertise to succeed.

We look forward to welcoming you as a student soon.

For more information please visit unisa.edu.au/IT

Your pathway to an Information Technology degree at UniSA.

UniSA now offers the widest range of flexible pathways to become an IT professional in Adelaide or abroad. These pathway options have been introduced to attract more people into IT careers to help meet significant industry growth, particularly in the fields of defence, mining and resources, health, and public enterprise.



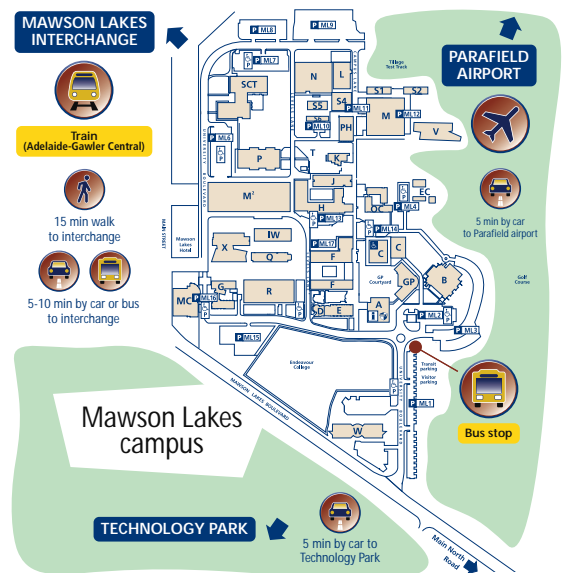
Note: If enrolling in the three-year Bachelor of Information Technology degree, you can choose a specialisation in either Business Systems, Cloud Computing, Games and Entertainment, Networking and Security, Software Development, or Systems Administration and graduate with this major.
 Information correct at the time of printing. * Students can move into Year 3 of another program subject to satisfactory academic performance during the Associate Degree.

Mawson Lakes campus

Mawson Lakes campus is part of the flourishing technology hub of the Northern Region, which offers the perfect blend of education and research for community, business and government, creating a vibrant and innovative nexus to support economic, social and environmental development. Over \$73 million has been invested into our new state of the art science and technology facilities.

Mawson Lakes is located opposite Technology Park and the industries that are significant employers of our IT graduates.

The Mawson Interchange integrates bus and passenger train services. It provides direct, rapid access for park-n-ride commuters, pedestrians and cyclists from the Mawson Lakes town centre and the University.



Why Study Computer and Information Technology at UniSA?

Experiential Learning

The School of Computer and Information Science is dedicated to creating graduates who are industry ready. Students are presented with a variety of opportunities to think creatively and experience aspects of the IT industry.

Students use the tools and certification programs including SAP, and CISCO, CCNA and CCNP that are currently utilised within the workplace. Experiential learning is also combined with other unique activities including Global Experience, Student Exchange, industry site visits, workplace placements and industry and community projects.

Customised Degrees

The School of Computer and Information Science offers a large selection of programs at undergraduate and postgraduate level allowing our students to undertake specialised and advanced work in their field of interest.

Courses are offered by academics who are active researchers and practitioners in their field. Their experience and expertise is directly integrated into all aspects of the academic environment. Our IT degrees have been developed to meet the needs of industry and are accredited by the Australian Computer Society allowing graduates to practise anywhere in the world.

Common first year

All of our degrees contain a common first year set of core courses. These courses lay the foundations and ready students for the specialisation of their choice. This common core is completed in the first year and as it is common across all IT degrees, students have the opportunity to change to an alternative specialisation

without the loss of the courses they have already passed.

Student Projects:

New IT Innovation Studio

Located at UniSA's City West campus, the IT Innovation Studio aims to assist near graduates to develop their professional skills. Students find innovative solutions to industry problems, particularly where solutions have broad community impact. The IT Innovation Studio provides support and facilities for students undertaking industry projects in the areas of application, development, IT services or other areas with exciting commercial potential. All students in IT degrees will be part of the Innovation Studio as they are expected to complete at least a 6 month project in their final semester.

Industry Alliances Program

The school operates an Industry Alliance Program that has over 200 industry partners, including Fujitsu Australia, SA Water, UnitingCare Wesley Adelaide and many more, providing real-world industry experience through student projects and placements before graduation. For more information visit: unisa.edu.au/cis

Pathways

The School of Computer and Information Science offers the most flexible entry pathways into our Bachelor programs whether you're a mature aged student, secondary student or an international student. Included in this booklet is a pathway map which will assist you in determining how to get into one of our programs.

The School of Computer and Information Science also recognises your previous tertiary level study by offering credit in a number of courses depending upon what level of education

you previously completed.

This can be very important as it will reduce the length of your IT degree at UniSA.

Scholarships and Prizes

Students are recognised annually for outstanding achievements via industry and school sponsored prizes and awards. This is testimony to the support and commitment of our industry partners who make a valuable contribution towards recognising our brightest stars. Students undertaking programs within the School are provided the opportunity to apply for one of many grants on offer. For more information visit unisa.edu.au/scholarships

Book a School Visits or Rolling Roadshow?

Gone are the days when studying at university meant attending tedious and uninspiring lectures. Students are now provided with a balance of practical and theoretical coursework to engage their minds and refine their skills.

At UniSA, we are taking the innovation generation to a new level creating a new brand of leaders for the information technology age. Our interactive IT Rolling Roadshows conduct school visits around the state providing fascinating insights into the world of IT. It's a unique opportunity for would-be IT students to sample our course curriculum by taking part in fun and interactive programs, including programming, animation and other multimedia activities

If you are interested in having an event at your school please contact the School on 8302 3582.

Global Experience

UniSA's Global Experience program is available to all undergraduate students enrolled at UniSA and counts towards your degree. Expand your knowledge through networks, workshops and a range of activities including volunteering, language studies, mentoring and going on exchange. For more information please visit: unisa.edu.au/globalexperience

Student Exchange

Going on exchange contributes to students' personal and academic development and is considered favourably by many employers. UniSA provides scholarships of at least \$2500 for eligible students to take up exchange opportunities. For more information please visit unisa.edu.au/exchange

For more information please visit unisa.edu.au/IT



Associate Degree in Information Technology

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	Apply directly to UniSA
UniSA program code	LTCI
CRICOS code	
(international students only)	067901J
ATAR (February 2011 cut-off)	66.90
Program length	2 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	No
Program fees	Commonwealth supported
Program fees	
(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

This two-year program provides a solid grounding in information technology, preparing you for further study, or an IT career within the software development and information services industries. You will also acquire the necessary education to assume positions in small to medium enterprises where a broad range of IT skills are demanded. This program has a strong practical and industry focus and is especially suited to

mature-aged and equity students who may not necessarily qualify for entry into a three or four year degree program. Our common first year, with most other programs in the School, will provide you with the flexibility to transfer into another IT program without any loss of courses completed.

What will I study?

In first year, you are introduced to the essentials of IT and software systems where you acquire

practical programming skills, learn how to problem solve, and create and use databases. In the second year, you may select a specialisation in either networking, programming or network security and also complete an industry-based project. If you are a high-achieving final year student, or upon graduation, you may apply for entry into another IT degree program and receive credit for all equivalent courses in the program.

What does it take?

The main role of an IT professional is to solve problems using computing technology. IT professionals are often required to document solutions and communicate with others, particularly those who may not be trained in computer and information science. This requires good written and verbal communication skills and the ability to work well with others. You should have 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. Entry is available on the basis of successful completion of the ATN Test, a multiple choice test assessing aptitude to think scientifically, solve quantitative problems, critically analyse information and display interpersonal understanding.

Who will employ me?

The demand for IT graduates is very high and there is currently a shortage of skills in this industry. This program prepares you for a career specialising in either networking, network

security, or programming, particularly in small to medium business enterprises.

Professional recognition

This program has been accredited by the Australian Computer Society (ACS) for Associate Membership.

Additional notes

Minors are undertaken in networking, network security, or programming. This program can also be taken online.

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

Programming Fundamentals

Network Fundamentals

SECOND YEAR

First Half

(Study Period 2)

Systems Analysis, Design
and Project Management

Minor 1

Networking Minor -

Network Architecture

Internetworks

Minor 2

Network Security Minor -

Network Architecture

Information Technology Security

Programming Minor -

Data Structures

Agile Development with .net

Second Half

(Study Period 5)

ICT Project

Minor 3

Networking Minor -

Network Management

CCNP 3 & 4

Switching and Converged

Networks

Minor 4

Network Security Minor -

Network Management

Information Security

Management

Programming Minor -

Web Engineering

Mobile Commerce



Chris Horsell

Graduated – Associate Degree in Information Technology
Employment – Team Manager Information Services,
City of Playford

‘As a mature age student, entering the world of university was a big step, especially balancing full-time work and a young family.

UniSA provided the flexibility to manage the competing demands of work, life and study and I have been rewarded by advancing my career as a direct result of the studies undertaken.’

Bachelor of Business

(Management of Information Technology)

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	424121
UniSA program code	DBMS
CRICOS code	
(international students only)	024194J
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	No
Program fees	Commonwealth supported
Program fees	
(international students only)	(A\$) 21,500 per annum
Scholarships available	unisa.edu.au/scholarship

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

Program overview

Information systems are critical to any modern organisation. This program will enable you to develop and implement strategic information systems and business processes that align with organisational needs and priorities. You'll learn how to plan and develop strategic IT solutions for business problems, and how to implement and manage information systems. You'll also develop skills in accounting, economics and

general business while gaining a comprehensive understanding of how to apply IT to address contemporary business needs.

What will I study?

Over the first two years, you'll complete core business courses in economics, management, marketing, accounting, statistics and law to develop an awareness of business processes and functions. In addition, you'll develop an understanding of the basics

of IT, analysis, design and project management and undertake practice-based learning to develop organisational and communication skills. The final year will enable you to explore the latest organisational IT issues and complete an industry-based project. The final year courses cover IT strategy and management, business transformation, business practice, business intelligence, and information security management.

Additional notes

The Bachelor of Business (Management of Information Technology) is also available as a Double Degree with Bachelor of Laws. Details are available in the Law Discipline Brochure.

What does it take?

You will need to think logically, analytically and have sound technical and problem solving skills which are needed to manage and implement IT solutions. Well-developed interpersonal skills and the ability to apply a professional and ethical approach to work are also important. If you have good academic results at the end of second year, you may apply to join the Business Information Systems Program, an elite industry-sponsored program which provides a student allowance of \$18,000 and progression into a Master of Business Information Systems.

Who will employ me?

Upon graduating, you'll have a solid grounding in IT management, vital to the successful implementation of information systems strategy in any organisation. You may find employment in business and government as analysts, business consultants, information systems officers/managers, project officers/managers, or web design consultants.

Professional recognition

This program has been accredited by the Australian Computer Society (ACS).

Program requirements

FIRST YEAR

First Half

(Study Period 2)

Information Systems

Professional Practice

Problem Solving and

Programming

Management Principles

Second Half

(Study Period 5)

Web and Database Development

Marketing Principles:

Trading and Exchange

Foundations of Business Law

SECOND YEAR

First Half

(Study Period 2)

Systems Analysis, Design
and Project Management

Information Technology

Fundamentals

Accounting for Business

Second Half

(Study Period 5)

Network Fundamentals

Quantitative Methods

for Business

Principles of Economics

Elective

THIRD YEAR

First Half

(Study Period 2)

ICT Project, or

ICT Specialist Industry Project

Information Technology

Strategy and Management

Enterprise Systems

Second Half

(Study Period 5)

Information Technology Driven
Business Transformation

Business Intelligence and

Enterprise Data Mining

Information Technology

Business Practice

OR Strategic Management

Information Security

Management



Amanda Busbridge

3rd year Bachelor of Business (Management
of Information Technology)

'I chose this UniSA program to enhance my career options and give me the flexibility to look at a range of career paths if I wish to.

The external study option is very important to me as I work part-time and have family commitments. I work at Primary Industries & Resources SA (PIRSA) as the ICT Configuration Manager, managing all ICT changes that are implemented and affect the organisation's network and also the PC Fleet of PIRSA. I attend lectures if needed, and find the revision lecture before exams is particularly useful.

Being able to download the tools needed for some subjects helps immensely and I get a lot of practical experience from my everyday employment. I find the facilities at UniSA are of a high standard and PC Barns are always tidy.'

(08) 8302 2376 or 1300 UNINOW
study@unisa.edu.au

Bachelor of Computing (Multimedia)

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/penday

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	444041
UniSA program code	MBIC
CRICOS code	
(international students only)	026348B
ATAR (February 2011 cut-off)	65.85
Program length	4 years
Prerequisites	None
Assumed knowledge	None
Home campus	Magill
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
Program fees	
(international students only)	(A\$) 22,500 per annum
Scholarships available	unisa.edu.au/scholarship

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

Program overview

With the explosion of multimedia and the internet, there is huge demand for computer professionals specialising in the dynamic field of multimedia. This is a rewarding program which will lead to a fulfilling career in one of the fastest growing sectors of the IT industry. This program will appeal to those with an artistic flair for creating original content for multimedia applications, as well as strong problem-solving skills. It

features a unique combination of computing (technical) and multimedia (practical and creative) streams in one program. This program has a common first-year with most other programs in the School. This provides the flexibility to transfer into another IT program without any loss of courses completed.

What will I study?

In the IT component of the program you are introduced to the essentials of IT and software

systems, gaining practical programming skills, learning how to determine requirements, and designing and developing software. There are courses on user interface design, Agile Development with NET, development of software for mobile phones and web engineering. The multimedia component of the program covers foundation multimedia courses and you may then elect to specialise in animation or interactive multimedia. In the fourth year, you'll complete a major project, which may be industry-based, a multimedia specialisation, and take two specialist IT courses.

What does it take?

As a content creator and IT professional, good written and verbal communication skills are essential, as is the ability to work well in a team. It's vital that you can think creatively and logically, as well as being adaptable and committed to keeping up with evolving developments in IT and computing.

Who will employ me?

With continuing rapid growth and global demand for high quality and innovative games, games development, multimedia and web-based companies are ready sources of employment in Australia and overseas. As a graduate of this program, you can expect to be paid well, even when starting as a tester or developer. These roles will eventually lead to positions such as team leader, creative director or creative technologist.

Professional recognition

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

Honours

Students achieving a credit level average at the end of third year may be allowed to enrol in Honours courses in fourth year. Successful completion of the program may lead to the award of a degree with Honours.

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

Programming Fundamentals

Introduction to Digital Media

SECOND YEAR

First Half

(Study Period 2)

Systems Analysis, Design

and Project Management

Data Structures

Introduction to Film and

Television Production

Second Half

(Study Period 5)

Network Fundamentals

User Interfaces

Multimedia Desktop Video

Music Sound Studio

THIRD YEAR

First Half

(Study Period 2)

Mobile Applications Development

Agile Development with NET

Multimedia Specialisation 1

Multimedia Specialisation 2

Second Half

(Study Period 5)

Web Engineering

Elective

Multimedia Specialisation 3

Multimedia Specialisation 4

FOURTH YEAR

First Half

(Study Period 2)

CIS Elective 1

Multimedia Specialisation 5

Multimedia Project 1, or

Multimedia Project 1 (Honours)

Second Half

(Study Period 5)

CIS Elective

Multimedia Specialisation 6

Multimedia Project 2, or

Multimedia Project 2 (Honours)

MULTIMEDIA SPECIALISATIONS

Animation Specialisation

2D Computer Animation

3D Computer Animation

Intermediate 3D

Computer Animation

From Mickey to Manga:

Understanding the

Animated Image

Advanced 3D Animation

Games: Industry, Culture

and Aesthetics

Interactive Multimedia

Specialisation

Web Technologies

Digital Design Publishing

Creating Interactive Multimedia

Electronic Publishing

on the Internet

Website Graphics Design

Documentary Production,

Forms and Techniques



Bachelor of Information Technology

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Festival of Innovation

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unisa.edu.au/innovation

unisa.edu.au/it

SATAC code	434041
UniSA program code	LBCP
CRICOS code	
(international students only)	024199D
ATAR (February 2011 cut-off)	61.60
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
Program fees	
(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

This program builds upon our flagship programs as an 'all round' degree that enables graduates to move into rewarding careers as IT professionals. The Bachelor of Information Technology provides you with the passport to a career in computing, software development and the information services industries. You'll be exposed to realworld applications and the latest research developments and technologies through industry placements, internships and

research projects with industry partners, providing you with greater employment prospects after graduation. In this program you get the choice to select either 2 minors within the IT school or only 1 and then another minor in a different discipline within the University. This allows you to diversify your skill set and enhance your employability in areas such as business, healthcare or education. The common first year provides the flexibility to transfer into another IT program without any loss of courses completed.

What will I study?

In first year, you'll study core concepts in information technology, establishing a solid foundation for more advanced coursework in subsequent years.

In the final two years, you'll study core topics in software development and web engineering, participate in an industry-based project, and may choose two of the following minors, or a minor from another discipline area:

- » **Software Development**
 - Software Development with C++
 - Agile Development with NET
 - Operating Systems
 - Systems Architecture
- » **Programming**
 - Software Development with C++
 - Mobile Applications Development
 - Agile Development with NET
 - Computer Graphics
- » **Entertainment Animation**
 - Introduction to Digital Media
 - Introduction to Film and Television Production
 - Computer Animation 3D
 - Computer Animation
- » **Mobile Development**
 - Mobile Application Development
 - Mobile Enterprise Workshop
 - IT Business Practice
 - Mobile Commerce
- » **Networking**
 - Network Architecture
 - Network Management
 - Information Technology Security
 - Information Security Management

- » **Business Systems**
 - Business Intelligence and Enterprise Data Mining
 - Enterprise Systems
 - IT Driven Business Transformation
 - Information Technology Strategy and Management
- » **Computer Science**
 - Artificial Intelligence
 - Database Technology
 - Operating Systems
 - Discrete Mathematics

What does it take?

The main role of an IT professional is to solve issues using computing technology. IT professionals are often required to document solutions and communicate with others, particularly with those who may not be trained in computer and information science. This means good written and verbal communication skills, and the ability to work well with others is important. 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?

The immediate prospects for employment are excellent for graduates of this program, particularly in the emerging defence, mining, and multimedia (entertainment) sectors.

There is a national shortage of skills in IT and well-trained people are in high demand.

Career opportunities also exist interstate and overseas as IT graduate qualifications are transferable unlike other specialised professions. IT

graduates can expect starting salaries in excess of other professions and may secure employment at respected, high-profile companies and public sector organisations.

In 2010, 79% of UniSA graduates found full time employment. After completing this program you are likely to be employed in positions such as but not limited to: Technical Development Manager, Data Modeller, Web Developer, Testing Manager, Database Administrator, Sales Consultant, Account Manager, PC Support and 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

Generic Program

SECOND YEAR

First Half

(Study Period 2)

Systems Analysis, Design

and Project Management

Data Structures

Minor Course

Second Half

(Study Period 5)

Web Engineering

User Interfaces

Minor Course

Minor Course

THIRD YEAR

First Half

(Study Period 2)

Elective

Minor Course

Minor Course

Minor Course

Second Half

(Study Period 5)

ICT Project

Minor Course

Minor Course



Dr Stewart Von Itzstein

Program Director

Bachelor of Information Technology

'You can work in just about any area that you're interested in if you develop skills in Information Technology. UniSA has very good connections to industry and our learning environment is heavily informed by industry employers and previous students.

I think the most important thing a teacher can offer their students is insight. The knowledge of a course can be found in books and the internet in dozens of places, but what isn't there is that insight that can only come from someone who knows the area. When they speak from their experiences it gives context to the facts so that students can really see why things work the way they do.'

Bachelor of Information Technology

(Business Systems)

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unisa.edu.au/it

SATAC code	434901
UniSA program code	LBCP
CRICOS code	
(international students only)	067900K
ATAR (February 2011 cut-off)	66.25
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
Program fees	
(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

UniSA is a leader in information systems education with more than 20 years of heritage in the discipline. The Business Systems specialisation continues this tradition in ensuring a continuing stream of graduates who provide the bridge between the technical IT and business aspects of all major organisations. This offering updates the necessary knowledge and skills that you'll need to be a successful business or systems analyst in

medium to large organisations, or in the information services industries. You'll be exposed to real-world applications and the latest research developments and technologies through industry placements, internships and research projects with industry partners, providing greater employment prospects after graduation.

What will I study?

In 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 in business systems and develop an understanding of the relationship between the development of software and its implementation within a business context. Typical courses include those that provide an understanding of the systems development process aligned to business integration and IT strategies within organisations.

What does it take?

A business systems professional needs to be capable of seeing the world from another person's perspective and to be open to learning new things. This means good written and verbal communication skills, and the ability to work with others is important. You'll also need high-level organisation skills, an eye for detail as well as the ability to see the bigger picture and the ability to solve and document solutions to problems.

Who will employ me?

Contemporary business is calling for more personnel with a sound education in business and IT. There are value propositions through well designed applications in Australia and overseas. All large public and private sector organisations require IT professionals who can communicate clearly with business management in non-technical terms, translate requirements into system designs as part of application developments or redevelopments. Graduates

initially employed in systems analysis roles can progress to a range of senior positions in project management, program and portfolio management, and other similar roles as you gain more experience. In 2010, 79% of UniSA graduates found full time employment. After completing this program you are likely to be employed in positions such as but not limited to: Systems Analyst, Project Manager, Capability Manager, Change Manager, Business Analyst, Quality Manager, Business Process Modeller, Vendor Relationship Manager, IT Strategist, IT Manager and Chief Information Officer.

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

Information Technology

Business Practice

Second Half

(Study Period 5)

Web Engineering

User Interfaces

Mobile Commerce

Business Intelligence and

Enterprise Data Mining

THIRD YEAR

First Half

(Study Period 2)

Elective

Information Technology

Strategy and Management

Enterprise Systems

Information Technology Driven

Business Transformation

Second Half

(Study Period 5)

ICT Project

Information Security

Management

Contemporary Issues in

Information Systems



Bachelor of Information Technology

(Cloud Computing)

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/penday

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	434991
UniSA program code	LBCP
CRICOS code	
(international students only)	n/a
ATAR (February 2011 cut-off)	66.90
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
Program fees	
(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

Cloud computing and virtualisation represent the latest paradigms for modelling IT services. The various cloud computing models and underlying architectures will allow you to experience a range of opportunities, both for organisations offering cloud services and for organisations interested in the uptake of those services. The potential benefits of cloud computing, including scalability and reduced cost are

driving the rapid development and uptake of the various cloud services. Analysts predict that this trend will continue to accelerate in the coming years.

What will I study?

In the first year, students will study common first year courses in information systems, covering both information technology and key areas of business. 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. The final two years will build on this solid foundation with further courses in information systems and participation in an industry based project or placement.

The cloud computing specialisation covers a range of topics including business intelligence, core business concepts, network management, information security management, and IT strategy and management, with a focus on the ability to define, implement and negotiate systems and services based on cloud computing and virtualisation. Through case studies and using a problem solving approach, students will learn to effectively bridge the gap between IT professionals, vendors, clients and end users of information systems.

What does it take?

Cloud computing is an emerging service within the IT industry that is continuing to gain speed. This program will be suited to those who thrive in a rapidly changing environment as the technology and services change. You should have an interest in the management of IT related projects and good communication skills for use in translating data into business language. Companies will seek out individuals who can analyse data and develop methods to spot patterns, track user interactions and understand customer trends to increase productivity.

Who will employ me?

There will be a growing job market for IT professionals who have the ability to assess the potential benefits of moving to a cloud computing environment

and lead the implementation of the transition. The Cloud Dividend Report (December, 2010) states that the roll out of Cloud will produce 446,000 jobs every year in the retail, hotel, financial and public sectors within Europe, the Middle East and Africa. Cloud is expected to have a significant impact within Australia as corporate and Government organisations move to capitalise on the new opportunities offered through Cloud Computing.

Graduates may find positions within the area of Cloud Computing as Engineers, Strategists, Technical Support Officers, Software Developers, High Performance Computing Administrators, Data Centre and Virtualisation Officers, Consultants and Security Consultants.

Professional recognition

Professional accreditation for this new program is being sought from the Australian Computer Society (ACS).

Honours

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

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

Accounting for Business

Management Principles

Second Half

(Study Period 5)

Web Engineering

User Interfaces

Network Management

Business Intelligence and

Enterprise Data Mining

THIRD YEAR

First Half

(Study Period 2)

Elective

Information Technology

Strategy and Management

Enterprise Systems

Cloud Computing and

Virtualisation

Second Half

(Study Period 5)

Project Course

Information Security

Management

Systems Architecture

Project Course alternatives

ICT Project

ICT Specialist Industry Project



Bachelor of Information Technology

(Games and Entertainment Design)

Open Day 2011

City West campus: Sunday 21 August

For more information visit

unisa.edu.au/penday

May Information Sessions

Mawson Lakes campus: Wednesday 25 May

For more information and to register visit

unisa.edu.au/mayinfosessions

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	434881
UniSA program code	LBCP
CRICOS code	
(international students only)	067898K
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
Program fees	
(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

With the emergence of computers and software applications in games and entertainment design, a new discipline is emerging demanding specially trained IT professionals to develop new and exciting applications for recreational and educational purposes. This new program will appeal to those with an interest in computer graphics programming and the design aspects of multimedia, as well as the wider area of

information 'visualisation'. It aims to provide a degree with a good mix of technical and creative skills for those who want to learn techniques to build systems that are highly visual. It also builds upon UniSA's extensive experience in offering courses that apply technical computing skills within creative industries, such as entertainment and design. You can expect a first class education that provides you with a 'foot in the door' to developing games

and entertainment applications, or more broadly, positions that support the growing demand for visually impacting presentations and software interfaces in public and private enterprise.

What will I study?

In first year you will study common first year courses in information technology, establishing a solid foundation for more advanced coursework in subsequent years. In the final two years you will focus on graphics programming courses, including application development principles, 2D and 3D animation, computer graphics and mobile development. You will also undertake a course from UniSA's well-established School of Communication in film and television production. The final year features a major project that consolidates the skills acquired throughout your studies.

What does it take?

As a games and entertainment programmer and designer you'll need to use your creative expression and technology to entertain and educate end users. Your problem solving skills and desire to build engaging applications will prove paramount in preparing a successful career consulting with multimedia professionals. You'll also need an inquiring mind and a flexible, creative approach. This degree also requires the ability to form the bridge between technical applications and creative communication. You'll need to communicate with creative and technical people and senior leaders, as well as take on creative and technical positions.

Who will employ me?

In 2010, 79% of UniSA graduates found full-time

employment upon completion of their degree. Employment prospects continue to grow for those with a flexible approach to working in the evolving entertainment and games design sector where your skills will prove 'transportable' across a variety of multimedia platforms. You may start in a small organisation that has only one or two core applications and is seeking to expand its portfolio, or you may find an opportunity in a major Hollywood studio to develop the tools that support computer graphics in movies, games and other multimedia.

A number of forward-thinking organisations are using games as a means of providing instruction or training to employees in new or significantly redeveloped applications. New uses of games and entertainment applications, beyond the more obvious recreation uses, are emerging and it is expected that the growth of opportunities will steadily grow over time for creative and expansive thinking graduates who are prepared to push the boundaries. After completing this program you are likely to be employed in positions such as but not limited to: Multimedia Specialist, Web Developer, Graphics Designer, Animator or Game Designer.

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

Introduction to Digital Media

Second Half

(Study Period 5)

Web Engineering

User Interfaces

Introduction to Film and

Television Production

Software Development with C++

THIRD YEAR

First Half

(Study Period 2)

Elective

2D Computer Animation

Agile Development with NET

Mobile Applications Development

Second Half

(Study Period 5)

ICT Project

3D Computer Animation

Computer Graphics



Bachelor of Information Technology

(Networking and Security)

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/penday

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	434891
UniSA program code	LBCP
CRICOS code	
(international students only)	067899J
ATAR (February 2011 cut-off)	60.50
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 have a strong interest in networking and security, then this program is for you. It capitalises on UniSA's leadership in delivering a consistently high level of education in this domain for many years. The security of information systems has become a very important aspect of contemporary information technology. In this specialisation, you'll be exposed to the techniques and theory that support network

infrastructures in small to large businesses, thus improving your career prospects. As part of the Bachelor of Information Technology (Networking and Security) program, you can continue to leverage from the experience of our highly qualified and experienced academic staff to graduate in this specialisation.

What will I study?

In 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 begin your focus on networking and security in such areas as network design, network implementation, intrusion detection, and security auditing, for example. You'll also acquire the skills to support a network roll-out and the maintenance of infrastructure, whilst gaining an understanding of networking topologies and networking devices, such as routers and firewalls. In particular, the networking courses prepare you for industry certification examinations in CISCO where you'll be in a position to not only graduate with a degree, but with this highly regarded industry certification, increasing your employment prospects. This program has a hands-on approach where you'll gain experience in our dedicated security and networking labs and also be involved in an industry based project in your final year.

What does it take?

This program will interest those who enjoy the practical side of information technology and have a flair for building business infrastructure in line with the latest technological advances. You'll also need to be well organised and act with precision in being the interface between management and technology in most circumstances. 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?

Graduates with strong networking skills, especially those with solid technical and business backgrounds, are finding abundant employment opportunities. This is a result of increasing interest in network intensive applications, like e-commerce, accelerating the development of computer networks and distributed systems. In our connected world, there will always be demand for graduates with networking and security skills as organisations continue to exploit the Internet to develop opportunities that connect globally in the safest and most secure ways possible.

In 2010, 79% of UniSA graduates found full-time employment upon completion of their degree. Graduates of this program may find employment in both small or large specialist IT services and solution providers in South Australia, interstate or overseas. After completing this program you are likely to be employed in positions such as but not limited to: Network Analyst, Customer Service Manager, Customer Relationship Manager, Telecoms Engineer, Capacity Planner, Security Specialist, Systems Administrator, Network Manager, PC Support, Sourcing Specialist or Network Designer.

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

Network Architecture

Second Half

(Study Period 5)

Web Engineering

User Interfaces

Mobile Commerce

Network Management

THIRD YEAR

First Half

(Study Period 2)

Elective

CCNP1+2: Internetworks

Operating Systems

Information Technology Security

Second Half

(Study Period 5)

ICT Project

CCNP3+4: Switching and

Converged Networks

Information Security

Management



Mrinalini Rae

3rd year Bachelor of Information Technology
(Networking and Security)

'I am interested in studying computers and had heard positive feedback about the program at UniSA. I like that there is a lot of research which improves our knowledge, along with practical sessions and the opportunity for hands-on learning.

You can expect to get lot of experience and knowledge from guest speakers who come from various fields of business organisations and share their views, which helps to equip students with knowledge about what is going on in the industry.

This program provides a very good way to work out your skills in different sections of the IT field, such as IT security and networking. Once I graduate, I would like to get a job as a business analyst.'

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/penday

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
Program fees	
(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 Architecture, 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.'

Bachelor of Information Technology

(Systems Administration)

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/penday

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	434001
UniSA program code	LBCP
CRICOS code	
(international students only)	n/a
ATAR (February 2011 cut-off)	n/a
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
Program fees	
(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

There are few university programs that specifically lead to a role as a Systems Administrator. The systems administration specialisation of the Bachelor of Information Technology will offer you a pathway into this and similar roles within the IT industry. Whether you are already working in IT or are looking for a new career, this program is tailor made to deliver the necessary skills required to maintain and operate computer systems and networks.

This new program is a balanced mix of computing fundamentals, networking skills, management principles, and specific system administration courses. All these skills are put to the test in either a major project or industry placement in your final year. Combine this with the opportunity to undertake industry certifications such as Cisco whilst in the program and you will graduate from this program with all the skills and knowledge needed to

be successful in a modern System Administrator role.

What will I study?

This program has a common first year with most other programs in the School where you will study the core concepts of information technology, establishing a solid foundation for more advanced coursework. 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, the systems administration specialisation will cover a range of topics including core business concepts, networking, information security management, operating systems, and the systems administration.

Many of the courses in this program focus on the practical skills which system administrators use every day. These include technologies such as Microsoft, Apple, Linux, Cisco and others, but also many of the softer skills such as good communication, professionalism in the workplace, leadership and the ability to make important decisions. This program will then culminate in a semester-long major project or industry placement in the final year.

What does it take?

To be a successful Systems Administrator you will need to be a self-directed individual with strong communication skills and the ability to work under pressure to solve complex and often confusing problems. You will also need an inquiring mind and a flexible, creative approach. Often the most obvious solution to a problem is not the best one. System Administrators are required to use their initiative to

collect and analyse all the facts. They are then required to develop a solution and put it into practice with little or no disruption to the users of the systems.

Who will employ me?

Today, almost every company in every industry uses computers and networks to conduct their business. Computing systems are a vital resource to modern businesses. The industry demands highly trained, professional staff to maintain and manage these systems. Small, medium and large enterprise organisations have a team of System Administrators which not only works to effectively manage the computer systems but also advises senior management on future technology procurements and IT related strategies. In today's connected world, many System Administrators also have the luxury of working off site in any location with an Internet connection.

Graduates of this specialisation will be work ready with current industry knowledge and skills in Systems Administration. The Systems Administrator plays a key role in the provision of IT support and maintenance. Depending on your area of interest, graduates may undertake positions in the areas of IT support, information security, network sustainability, hardware and software infrastructure procurement, systems management, and any other of the many jobs associated with systems administration. Graduates should develop the lifelong learning practices of IT professionals which will enable them to apply not only for System Administration positions but also many other positions in the IT industry.

Professional recognition

Professional accreditation is being sought from the Australian Computer Society (ACS).

Honours

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

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

Network Architecture

Management Principles

Second Half**(Study Period 5)**

Web Engineering

User Interfaces

Accounting for Business

IT Driven Business Transformation

THIRD YEAR**First Half****(Study Period 2)**

Elective

Enterprise Systems

Information Technology Security

Operating Systems

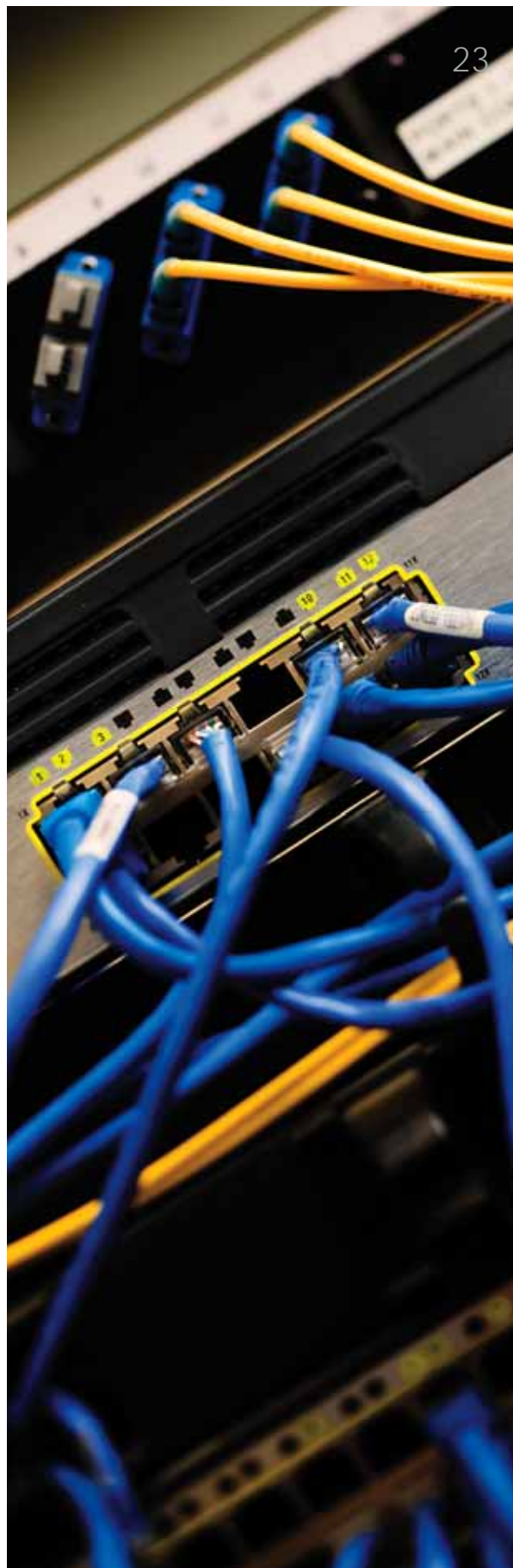
Second Half**(Study Period 5)**

Project course

Information Security

Management

Systems Administration



Bachelor of Software Engineering

May Information Sessions

Mawson Lakes campus: Wednesday 25 May

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unisa.edu.au/mayinfosessions

Open Day 2011

City West campus: Sunday 21 August

For more information visit

unisa.edu.au/penday

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	434211
UniSA program code	LBSG
CRICOS code	
(international students only)	024210C
ATAR (February 2011 cut-off)	62.55
Program length	4 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
Program fees	
(international students only)	(A\$) 22,500 per annum
Scholarships available	unisa.edu.au/scholarship

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

Program overview

Software engineering is more than just programming. Developing large, complex systems, on time and within budget, requires up to date software engineering knowledge and familiarity with current software engineering practices used throughout the world. This program provides a broad understanding of computing and IT theory and practice, along with the specialist knowledge and skills required of a software

engineer. This program shares a common first-year with most other programs in the School and provides the flexibility to transfer into another IT program without any loss of credit.

What will I study?

This program covers core courses in computer science, software engineering and web technologies, as well as specialist courses in areas such as computer science, systems development, database and

knowledge management, health informatics, networking and security. During your final year, you'll complete a year-long, industry-based project that presents a solution to a real-world IT problem. This will enable you to gain direct experience in solving an IT problem using software engineering principles and project management skills.

What does it take?

Software engineers need to understand and apply software design skills, internationally recognised standards and the methods, techniques and tools that support them, while using good management practice. It is the task of the software engineer to draw together these separate areas of expertise and use them in developing quality software.

Who will employ me?

The growth of large systems and their complexity means that the demand for software engineers is currently very high. Locally, the number of projects demanding competent software engineers is expected to increase in the defence sector. Internationally, qualified software engineers are sought in the financial services, health and manufacturing industries. The types of jobs graduates can expect upon completion of their degree include: Software Architect, Software Developer, Testing Manager, Release Manager, Sales Consultant, Quality Manager, Trainer, Application Architect, Strategic Planner, Software Engineer, Programmer and Team Leader.

Honours

Students achieving a credit level average at the end of third year may be allowed to enrol in Honours courses in fourth year.

Successful completion of the program may lead to the award of a degree with Honours.

Professional recognition

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

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

Programming Fundamentals

Network 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)**

Agile Development with NET

Operating Systems

Computer Science Topics

for Software Engineers

Mobile Applications Development

Second Half**(Study Period 5)**

Workflow, Maintenance

and Re-engineering

Systems Architecture

Artificial Intelligence

Elective

FOURTH YEAR**First Half****(Study Period 2)**

ICT Specialist Major Project 1

OR ICT Specialist Major

Project 1 (Honours)

Software Engineering Minor 1

Software Engineering Minor 2

Second Half**(Study Period 5)**

ICT Specialist Major Project 2

OR ITC Specialist Major

Project 2 (Honours)

Software Engineering Minor 3

Software Engineering Minor 4

SOFTWARE ENGINEERING MINORS**Honours Minor**

CIS Research Methods

Plus three courses from:

Advanced Knowledge

Representation

Advanced Human

Computer Interaction

Parallel Reconfigurable

and Cluster Computing

Software Architecture and

Software Engineering for

Web-based Applications

Health Information Systems

Advanced Computing Seminar

Non-Honours Minor**Four courses from:**

Computer Graphics

Business Intelligence and

Enterprise Data Mining

Information Technology

Business Practice

Forensic Computing: Tools,

Techniques and Investigations

Network Architecture

Information Technology Driven

Business Transformation

Mobile Enterprise Workshop

Data and Web Mining



Donald Urquhart

Former 4th year Bachelor of Software Engineering now undertaking the Bachelor of Information Technology (Honours)

'I have always been good at programming as a hobby and started off at a young age, so Software Engineering seemed like a perfect fit for me.

I enjoy the opportunities to learn new programming languages and challenge my current knowledge and programming skills.

A highlight for me has been a trip to the World Wide Developers Conference in San Francisco through a scholarship with the Apple University Consortium. The experience was quite spectacular and probably a once-in-a-lifetime experience. I learnt a lot about the development possibilities within OSX and the iPhone. I was able to chat with actual Apple developers about how things work when developing for OSX and took part in practical sessions where you could try out new and upcoming tools with live support from Apple engineers.'

Bachelor of Information Technology

(with TAFE SA)

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	434621
UniSA program code	LBCF
ATAR (February 2011 cut-off)	63.10
Program length	3 years
Prerequisites	None
Assumed knowledge	None
Home campus	Mawson Lakes
Accepts Special Entry (STAT)	Yes
External study available	No
Part-time study available	Yes
TAFE credit available	Yes
Honours study available	Yes
Program fees	Commonwealth supported
Scholarships available	unisa.edu.au/scholarship

Program overview

The program combines UniSA's Bachelor of Information Technology program with study at TAFE SA. This degree offers sound, practical education in information technology, preparing graduates for a variety of roles in business, industry and government. This three-year program requires 1.5 years of study at TAFE SA, moving to UniSA in the final 1.5 years. After the first 1.5 years of study, you'll also have the option to complete the TAFE SA Diploma in Information Technology (Software Development) with

an additional half-year of full-time study. The program is a great blend of vocational training offered by TAFE SA and the academic-based education provided by UniSA, producing skilled and knowledgeable graduates who are highly appealing to IT employers.

What will I study?

In the first half of the program, you'll focus on specific software packages, programming courses, web page construction and network configuration at TAFE SA, as well as some theory based courses through UniSA. In the

second half of the program, the focus changes from TAFE SA to UniSA and you'll complete courses in computing and IT, systems, databases and some management courses. The remainder of the syllabus is composed of UniSA electives. You'll choose six electives in the final two years of the program. These electives allow you to specialise while gaining the knowledge and skills to be agile in this demanding professional field. You may specialise in such areas as computer science, system development, database and knowledge management, e-commerce and multimedia. Those who achieve a credit grade point average or better in the final year of this program can enrol in the UniSA Honours program to graduate with Honours, and possibly go on to study for a higher degree.

What does it take?

The main role of an IT professional is to solve problems using computer technology. IT professionals are often required to document solutions and communicate with others, particularly those who may not be trained in computer and information science. This means good written and verbal communication skills, and the ability to work well with others is important.

You should also have 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 the facts, often through their own initiative, and analyse them accordingly.

Who will employ me?

Many roles are open to graduates both in Australia and overseas, including computer scientist, computer or network manager, programmer, systems analyst, system designer or software engineer.

Graduates can expect starting salaries of up to \$45,000, pursuing careers with computer equipment manufacturers, software companies, scientific or defence organisations, financial or educational institutions and government departments. The types of jobs graduates can expect to gain in completing their degree include: Technical Development Manager, Data Modeller, Web Developer, Testing Manager, Database Administrator, Sales Consultant, Account Manager, PC Support 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.

Program requirements**FIRST YEAR****First Half****(Study Period 2)**

TAFE Course 1

TAFE Course 2

Information Systems

Professional Practice

Second Half**(Study Period 5)**

TAFE Course 3

TAFE Course 4

TAFE Course 5

UniSA course - Network

Fundamentals

SECOND YEAR**First Half****(Study Period 2)**

TAFE Course 6

TAFE Course 7

TAFE Course 8

Second Half**(Study Period 5)**

TAFE Course 9

TAFE Course 10

UniSA course - User Interfaces

UniSA course - Sub-Major

THIRD YEAR**First Half****(Study Period 2)**

TAFE Course 11

TAFE Course 12

UniSA Course - Sub-Major

UniSA Course - Sub-Major

Second Half**(Study Period 5)**

UniSA Course - ICT Project

UniSA Course - Sub-Major

UniSA Course - Sub-Major

IT SUB-MAJORS**Application Development****sub-major**

Data Structures

User Interfaces

Software Development with C++

Agile Development with NET

Operating Systems

Systems Architecture

Networking sub-major

Data Structures

Network Management

Network Architecture

CCNP1+2*: Internetworks

CCNP3+4*: Switching and

Converged Networks

Mobile Commerce

Business Systems sub-major

Data Structures

Mobile Commerce

Business Intelligence and

Enterprise Data Mining

Information Technology

Strategy and Management

Enterprise Systems

Information Security

Management

* CCNP: CISCO Certified

Network Professional



Peter Kennedy

Graduated – Bachelor of Information Technology (with TAFE SA)

'This program was perfectly suited to me with the mixture of courses at UniSA and TAFE SA. This balance provided a lot of practical work and the subjects were well fitted to my chosen career.

I loved the practicals and found the assignments challenging and rewarding. Programming is never boring and the problem solving process is very satisfying. We did a lot of group work and had many guest speakers who taught us a range of skills. Mobile Enterprises was a fun course where we learnt a lot about the limitations and the vast opportunities offered by mobile communications.

I have done some contract work since I completed my degree, including a position as a research student assistant for UniSA. I am considering my future work options, and the prospect of further study.'

Bachelor of Computer Science (Honours)

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	434421
UniSA program code	LHIS
CRICOS code	
(international students only)	039463C
ATAR (February 2011 cut-off)	93.00
Program length	4 years
Prerequisites	SACE Stage 2 Mathematical Methods or Mathematical Studies
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
Program fees	Commonwealth supported
(international students only)	(A\$) 22,500 per annum
Scholarships available	unisa.edu.au/scholarship

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

Program overview

This program is designed specifically for high-achieving students who wish to study computer science at an advanced level and with an eye on a future at the cutting-edge of research and development in academia, research institutions or the IT industry. In particular, this program suits those who are passionate about computing and applying technology to solve

problems. You'll be personally mentored by expert researchers through a combination of advanced tutorials and practicals, laboratory placements, and a year-long research thesis. There is also the opportunity to meet and interact with the School's staff through research presentations, open days, information nights and numerous exclusive social activities.

What will I study?

This four-year honours program consists of several core courses in IT, as well as advanced computer and information science topics run by leading researchers. During the program you'll complete a placement within one of the School's Advanced Computing Research laboratories. In your final year, you'll also complete a thesis that contributes to your existing computer science knowledge, enabling you to apply your skills in a professional setting and gain additional insight into doctoral research. At the end of final year, you'll be in a position to either go into industry as a highly sought after software engineer with research experience, or continue further study at a PhD level.

What does it take?

Careers in research and academia require significant critical thinking capabilities and the ability to work with other academic and research professionals collaboratively, especially with colleagues from non-IT backgrounds. Often, those involved in research need to relate to business and marketing people to understand the nature of their problems and propose well-structured research programs to investigate solutions. As a prospective employee, you'll benefit from the unique mix of research and software engineering skills provided in this degree. Software engineering is more than just programming. Developing large, complex systems, on time and within budget, requires up to date software engineering knowledge and familiarity with current global practices. Software engineers need to understand and apply software

design skills, internationally recognised standards and the methods, techniques and tools that support them with good management practice. It is the task of the software engineer to draw these separate areas of expertise together in developing quality software by creating new methodologies or evaluating the adoption of new technologies.

Who will employ me?

Employment opportunities from this program are twofold; you may take the industry pathway upon graduation or lay the foundation for lucrative academic or research positions often through further study at PhD level. The industry pathway will enable you to work in software engineering positions where you'll prove extremely attractive given the research expertise and software engineering skills gained through this program. Notably, South Australia's defence sector is currently demanding capable graduates with research experience. Some graduates attain senior management positions in innovative industry organisations with research laboratories focused on developing new technologies. These companies demand employees to be creative thinkers and to solve complex problems, skills that are developed by all graduates of this program. The academic pathway enhances your creative thinking and problem solving and is almost essential for anyone wishing to teach at a university. PhD graduates are also highly desired by world-leading research laboratories and high-powered software engineering companies including a significant number of leading defence companies in Adelaide.

Professional recognition

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

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

Advanced Problem Solving

and Programming

Information Technology

Fundamentals

Second Half**(Study Period 5)**

Web and Database Development

Advanced Programming

Fundamentals

Network Fundamentals

SECOND YEAR**First Half****(Study Period 2)**

Systems Analysis, Design

and Project Management

Advanced Data Structures

Discrete Mathematics

Second Half**(Study Period 5)**

Advanced Web Engineering

Advanced User Interfaces

Software Development with C++

Database Technology

THIRD YEAR**First Half****(Study Period 2)**

CIS Research Placement 1

Operating Systems

Computer Science Topics

for Software Engineers

Elective

Second Half**(Study Period 5)**

CIS Research Placement 2

Systems Architecture

Artificial Intelligence

Workflow, Maintenance

and Re-engineering

FOURTH YEAR**First Half****(Study Period 2)**

CIS Honours Minor Thesis 1

CIS Research Methods

Elective

Second Half**(Study Period 5)**

CIS Honours Minor Thesis 2

Elective

Elective

ELECTIVES**Group A**

Computer Graphics

Data and Web Mining

Information Technology Security

Mobile Enterprise Workshop

Information Technology

Business Practice

Forensic Computing: Tools,

Techniques and Investigations

Business Intelligence and

Enterprise Data Mining

Information Technology Driven

Business Transformation

Network Architecture

Group B

Software Architecture and

Software Engineering for

Web-based Applications

Parallel Reconfigurable

and Cluster Computing

Advanced Human

Computer Interaction

Advanced Knowledge

Representation

Health Information Systems

Advanced Computing Seminar



Jessica Tsimmeris

Graduated – Bachelor of Computer Science (Honours)

'I think one of the advantages of doing a degree within a University that has a large computer science school is the variety to choose from. It's allowed me to pinpoint areas that I'm interested in and would like to pursue in the future.

This degree allows for quite a bit of customisation in the fourth year. If you want to do maths, you can, but you can also choose networking courses, computer graphics, programming, information security and databases.

I personally picked courses with a lot of programming in them, because that's what I enjoy.

Many people have misconceptions about Computer Science – they think it's incredibly difficult and you have to be fantastic at maths. It's not like that, I think you just have to be interested in the area, you'll always succeed so long as the interest is there.

I enjoyed being able to undertake research placements, including one within the Security Lab in UniSA and the other in the Wearable Computer lab at UniSA.'

Bachelor of Information Technology (Honours)

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	4BH006
UniSA program code	LHCP
CRICOS code	
(international students only)	024199D
ATAR (February 2011 cut-off)	n/a
Program length	1 year
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
Program fees	Commonwealth supported
Program fees	
(international students only)	(A\$) 22,500 per annum
Scholarships available	unisa.edu.au/scholarship

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

Program overview

This program is available for students with outstanding academic results from a relevant IT bachelor degree. The honours program prepares you for postgraduate and PhD studies or industrial employment in the field of computing, information technology or information systems. It provides advanced coursework and a major project for students in computer and information science, information systems and equivalent disciplines.

What does it take?

Careers in research and academia require significant critical thinking capabilities and the ability to work with other academic and research professionals collaboratively, especially with colleagues from non-IT backgrounds. Often, those involved in research need to relate to business and marketing people to understand the nature of their problems and propose well-structured research programs to investigate solutions. As a

prospective employee, you'll benefit from the unique mix of research and IT skills.

What will I study?

This honours program consists of several core courses in IT research, as well as advanced computer and information topics run by leading researchers. The program will provide you with the skills and knowledge to conduct effective research projects through a year long project which will utilise your multi-disciplinary undergraduate skills in computer graphics, business intelligence, software, networking, information and security. At the end of the program you'll be in a position to either go into industry as a highly sought-after IT specialist with research experience or continue further study at the PhD level.

Who will employ me?

Graduates of this program will be suited to a range of leadership and research roles within the IT sector. Depending on your selected area of specialisation, you may find positions as Project Managers, Research Assistants, Programmers, Software Designers, Network Architects or you may decide to continue your studies at the postgraduate and PhD level.

Professional recognition

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

Program requirements

FIRST YEAR

First Half

(Study Period 2)

CIS Research Methods

Elective course

CIS Honours Minor Thesis 1

Second Half

(Study Period 5)

Elective courses

CIS Honours Minor Thesis 2

Elective course

ELECTIVES

Group A

Computer Graphics

Data and Web Mining

Information Technology Security

Mobile Enterprise Workshop

Information Technology

Business Practice

Forensic Computing: Tools,

Techniques and Investigations

Business Intelligence and

Enterprise Data Mining

Information Technology Driven

Business Transformation

Network Architecture

Group B

Software Architecture and

Software Engineering for

Web-based Applications

Parallel Reconfigurable

and Cluster Computing

Advanced Human

Computer Interaction

Advanced Knowledge

Representation

Health Information Systems

Advanced Computing Seminar



Bachelor of Information Technology, Bachelor of Management

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/penday

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	424061
UniSA program code	DBIM
CRICOS code	
(international students only)	024198E
ATAR (February 2011 cut-off)	78.70
Program length	4 years
Prerequisites	None
Assumed knowledge	None
Home campus	City West
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
Program fees	
(international students only)	(A\$) 22,500 per annum
Scholarships available	unisa.edu.au/scholarship

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

Program overview

It is vital for organisations to align and integrate IT initiatives with business strategies. This exceptional double-degree program provides a unique combination of business and IT skills and perspectives that are increasingly sought by industry. You'll gain a comprehensive understanding of both IT and business issues, enabling you to bridge the gap between technical personnel and

management and, ultimately, succeed as senior managers. This program has a common first year with most other programs in the School. This provides the flexibility to transfer into another IT program without any loss of courses completed.

What will I study?

In the IT component of the program, you are introduced to the essentials of IT and information systems, gaining

practical programming skills, learning how to determine requirements and design and develop information and communications technology (ICT) systems. In the management component of the program, you will gain an understanding of the theories and principles of management. Factors affecting business performance, including ethical issues, are examined through courses in economics, law, accounting and marketing. There is also an emphasis on working in teams and developing strong communication skills throughout the program. In the fourth year, you'll develop higher level business management skills and complete an industry-based ICT project.

What does it take?

The main role of an IT professional is to solve problems using technology. IT professionals are often required to develop and document solutions and communicate with others, particularly with those who may not be trained in computer and information science. You'll need good written and verbal communication skills and the ability to work well with others. An inquiring mind and flexible, creative approach are also required. Each situation is unique, and solutions need to be developed and tailored appropriately. IT professionals are required to collect and analyse all of the facts while consolidating various perspectives that have an influence on the final solution.

Who will employ me?

Increasingly, large organisations are looking for professionals who have the ability to align strategic plans with ICT strategies and systems. Graduates from this program will have the

education and skills to make a contribution to the application of IT to achieve significant business outcomes. Typically, graduates will be employed as business analysts, systems analysts, programmers, network administrators, and in the longer term, can aspire to positions such as Information Systems Architect or Chief Information Officer.

Professional Recognition

This program has been accredited by the Australian Computer Society (ACS) and European Quality Improvement Systems (EQUIS).

Honours

An Honours degree (LHCP) is available in the final year for those with outstanding academic results.

There is also an Honours program in Management (DHBB) available to eligible students offered in an additional year of study.

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

Programming Fundamentals

Management Principles

SECOND YEAR**First Half****(Study Period 2)**

Systems Analysis, Design

and Project Management

Data Structures

Principles of Economics

Second Half**(Study Period 5)**

User Interfaces

Network Fundamentals

Foundations of Business Law

Accounting for Business

THIRD YEAR**First Half****(Study Period 2)**

Quantitative Methods

for Business

Marketing Principles:

Trading and Exchange

Organisational Behaviour

Communication and

Organisational Practices

Second Half**(Study Period 5)**

Web Engineering

Managing Decision Making

International Management

Ethics and Values

Foundations of Human

Resource Management

FOURTH YEAR**First Half****(Study Period 2)**

ICT Project

Procurement and

Purchasing Strategies

Management Accounting

Second Half**(Study Period 5)**

Entrepreneurial Enterprises

Organisational Administration

Elective

Strategic Management



Courtenay Hanson-Molam

4th year Bachelor of Computer and Information
Science, Bachelor of Management

'I chose this double degree because it covers two areas related to my future career aspirations.

Practical aspects of the course enable you to carry out projects that you can expect to encounter in the workplace such as developing databases and programming.

I also completed a five week internship in Singapore in the Asia IT department of law firm, Allen & Overy. It was great to get experience in my field of work and gain exposure to the operations of a global business. It was good to see aspects of my learning through my degree that could be applied to the workplace environment.

Once I graduate, I would like to go travelling and then get a job hopefully in the area of Systems/Business Analyst and database design.'





Entry requirements

For Undergraduate Bachelor Degrees and Associate Degrees

Applicants are required to have:

- » Completed SACE;
- » Completed at least 80 credits of SACE at Stage 2 of which 60 must be Tertiary Admission subjects (TAS) and the other 20 either TAS, Recognised Studies or a mix of the two;
- » Completed any prerequisites for your chosen program;
- » Obtained a competitive ATAR;
- » Completed interstate or overseas qualifications that the University considers equivalent to the SACE;
- » Completed the International Baccalaureate Diploma;
- » Completed or partly completed a recognised higher education program at a recognised higher education institution;
- » Completed at least four Open Universities Australia (OUA) courses at the appropriate level;
- » Completed an award from TAFE or from another registered training organisation at AQF Certificate IV or above;

- » Qualified for Special Entry and completed the Special Tertiary Admissions Test (STAT). A personal competencies statement and/or employment experience may also be considered;
- » Completed the University Foundation Studies program.

Please note that some programs have prerequisites. Applicants should check all entry requirements before applying. For some programs, applicants may also be required to attend an interview or present a folio.

For more information on entry requirements, visit unisa.edu.au/future

Participation and Access

UniSA offers various programs and services to assist rural and/or socio-economically disadvantaged students, Indigenous Australians and people with a disability. For more information, contact (08) 8302 2376 or 1300 UNINOW or email study@unisa.edu.au

UniSA Advantage

UniSA Advantage is a bonus points scheme that encourages participation in education as well as rewards achievement in selected Year 12 subjects that better prepare students for university study. The scheme includes two strands – **Achievement** and **Aspire**.

Achievement bonus points will automatically be awarded if students score a C or better in Year 12 Tertiary Admission Subjects (TAS) relevant to their intended UniSA program. Find out more here www.unisa.edu.au/future/year12/bonuspoints

Aspire bonus points are awarded automatically to students who attend a school recognised by UniSA as 'under represented' with respect to students going on to higher education. Students from rural and remote areas are also eligible for automatic bonus points while those students on School Card (or state equivalent) and/or Youth Allowance, and do not attend a recognised school, can apply for bonus points by downloading an application form at unisa.edu.au/future/year12/bonuspoints

For more information, visit unisa.edu.au/future/year12/bonuspoints. You can also contact Future Student Enquiries by phone (08) 8302 2376 or 1300 UNINOW (local call cost) or email study@unisa.edu.au

Student contributions

Student contributions are the amount you pay towards the cost of your program. The University determines the amount that you contribute within a range set by the Australian Government. The contribution that applies depends on which courses you choose to study and the contribution band in which those courses are classified. The amount of your student contribution also depends on the unit value of your courses of study (the equivalent full-time student load (EFTSL) value of the course).

As per the Australian Government guidelines, the student contribution amounts for 2011 are:

Band	Fields of study	Student contribution
National priorities	Mathematics, statistics, science	\$0 – \$4,355
Band 1	Humanities, behavioural science (including clinical psychology), social studies, foreign languages, visual and performing arts, education, nursing	\$0 – \$5,442
Band 2	Computing, built environment, health (allied health and other health), engineering, surveying, agriculture	\$0 – \$7,756
Band 3	Law, dentistry, medicine, veterinary science, accounting, administration, economics, commerce	\$0 – \$9,080

Note: These amounts are for 1 EFTSL in 2011. The student contribution amounts for 2012 will be advised by the Federal Government in October 2011, and these will be available to view via unisa.edu.au/future/fees at that time.

Glossary

WHAT WILL YOU STUDY?

Associate degree

An award for completing a two-year (or part-time equivalent) tertiary program.

Direct Entry

Programs for which applications are not processed through SATAC but are made direct to UniSA.

Bachelor degree

A program of three or more years duration (or part-time equivalent). Bachelor degree programs provide the relevant qualifications for many professions.

Honours

An additional year of study in a Bachelor degree during which students specialise in a chosen area of study. In some cases, Honours study can actually be done as part of the degree.

Graduate Certificate

An award for completing a postgraduate program of at least six months in duration (or part-time equivalent).

Graduate Diploma

An award for completing a postgraduate program of at least one year in duration (or part-time equivalent).

Master degree

A postgraduate degree undertaken after completion of a Bachelor degree (normally with Honours) which focuses on one area of specialisation.

PhD

Doctor of Philosophy (PhD) programs normally extend over three years (or part-time equivalent) and involve significant research work.

HOW DOES YOUR PROGRAM WORK?

Major

A set of related courses which comprises 36 units of study within a Bachelor degree.

Sub-major

A set of related courses which comprises between 19 and 35 units of study within a Bachelor degree. In some programs these may be called 'general studies sub-majors'.

Minor

A set of related courses which comprises up to 18 units of study within a Bachelor degree. In some programs these may be called 'cognates'.

Program

Award in which you are enrolled, eg Bachelor of Arts.

Course

A component of study within a program (previously known as a 'subject').

Unit

A value assigned to a course which measures the amount of work involved in that course. Full-time students normally undertake 36 units of study per year (18 units per study period).

UNISA GLOSSARY

Assumed knowledge

Some first-year courses require knowledge of certain SACE Stage 2 subjects.

Free Electives

A course chosen from any on offer outside your Division, provided that individual course prerequisites are met. Free elective courses are designed to broaden your knowledge and skills beyond your professional field of study.

CRICOS code

Code identifying that a UniSA program has been registered on the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS).

Division

UniSA is split into four academic Divisions – Business; Education, Arts and Social Sciences; Health Sciences; and Information Technology, Engineering and the Environment – each offering a range of specialised programs and courses.

Prerequisites

Are SACE Stage 2 (Year 12) subjects, or equivalent qualifications which are required for admission into the program.

SACE

Is the South Australian Certificate of Education or a recognised equivalent qualification.

SATAC Guide

A publication that lists every program offered by South Australian higher education institutions. The SATAC Guide provides information about the selection process, includes instructions on how to apply and is available every year from newsagents Australia-wide.

Special Entry (STAT)

Special Tertiary Admissions Test (STAT) is an alternative tertiary admissions test for people who do not have a recent Year 12 certificate.

ATAR (Australian Tertiary Admission Rank)

A ranking of all students who have completed SACE in a particular year. The minimum ATAR required for the previous year is often a guide to how well you will need to perform to gain entry into a particular program. ATARs can vary from year to year and should be used as a guide only.



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The University of South Australia reserves the right to alter, amend or delete any program, fee, course, admission requirement, mode of delivery or other arrangement, without prior notice.

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