

WESTERN SYDNEY
UNIVERSITY



BACHELOR OF INFORMATION
SYSTEMS

BACHELOR OF INFORMATION
SYSTEMS ADVANCED



WHY STUDY BACHELOR OF INFORMATION SYSTEMS AT WESTERN SYDNEY UNIVERSITY?

Western Sydney University is ranked among the world's best top 100 young universities. The Times Higher Education Top 100 Under 50 years list ranks modern universities from around the globe based on their research and teaching quality, international outlook, connections with industry, and innovation.

The University has vibrant campuses that facilitate interactions between students, staff and the wider community. The School of Computing, Engineering and Mathematics (SCEM) delivers courses at five campuses.

Our new Bachelor of Information Systems and Bachelor of Information Systems (Advanced) degrees are based at our Parramatta campus. Both degrees are accredited by the Australian Computer Society at the professional level. Students within these degrees get unique opportunities to engage with some of the top industry leaders through guest lectures, work integrated learning placements, research projects and field trips.

From 2015, students from these degrees are now given opportunities to complete free of charge DB2 certifications run by IBM and Data Analytics workshops run by SAS. Furthermore, all students undertaking Networking units also get exposed to CISCO Networking material.

Students who demonstrate academic strength and research interests and who have a GPA (Grade Point Average) above five are invited to become members of The Academy at Western Sydney University.

The SCEM nurtures innovation, new thinking approaches and strives to be at the forefront of the new cutting edge technologies of tomorrow.

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REAL LIFE PROJECT EXPERIENCE

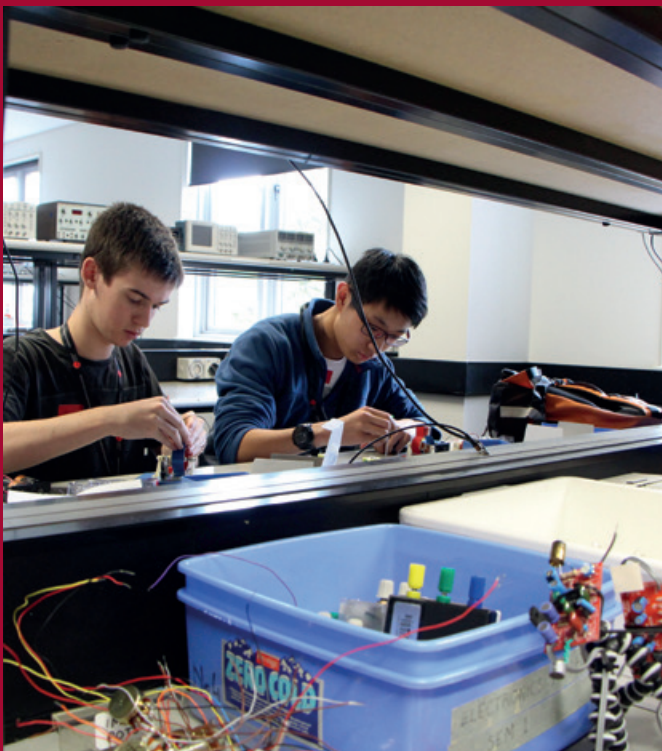
BACHELOR OF INFORMATION SYSTEMS STUDENTS AT WESTERN SYDNEY UNIVERSITY EXPERIENCE WHAT IT IS LIKE TO WORK IN A REAL LIFE PROJECT SITUATION THROUGH OUR COMPULSORY CORE UNIT, PROFESSIONAL EXPERIENCE, IN WHICH STUDENTS HAVE THE OPPORTUNITY TO WORK WITH REAL LIFE CLIENTS.

Our students have completed over a 200 projects throughout the years, the majority of which were for external clients, including a number of SMEs and larger organisations within Western Sydney.

CHALLENGES AND COMPETITIONS

STUDENTS ALSO HAVE THE OPPORTUNITY TO JOIN RESEARCH TEAMS AND COLLABORATE WITH STUDENTS, STAFF AND INDUSTRY EXPERTS FROM THE OTHER DISCIPLINES TO DESIGN, CONSTRUCT AND BUILD STATE OF THE ART TOOLS, MACHINES AND PRODUCTS.

In 2013, a team of talented students from the School of Computing, Engineering and Mathematics for the first time competed in the World Solar Car Challenge. They arrived 11th out of 23 competing teams. The work continues this year, with a team of 20 students working on a new car named 'Inertia' to compete in the 2015 World Solar car race. In the event, challengers from universities across the globe race from Darwin to Adelaide – covering 3,000km!





Bachelor of Information Systems

COURSE	UAC CODE	LOCATION	DURATION	ATAR
B Information Systems	724009	Parramatta		67.7

Key: B = Bachelor of; F = Full-time; P = Part-time, nc = New course.

Note: Part-time refers to study load, not to timetabling of evening classes.

COURSE OVERVIEW

Information Systems are becoming integral to modern culture and are a primary engine behind much of the world's economic and social change. In essence, they represent the knowledge and skills that are required to be a part of the competitive business environment.

Today, to implement technology, practising professionals need to not only have knowledge and skills in information and communications technology, but they also need to understand the context in which computer technology can best be selected, applied and implemented.

Within the Bachelor of Information Systems (B Info Sys) at Western Sydney University, you will learn how to plan, develop and integrate applications and information systems into a global business environment.

You will also carry out a project with the professional experience unit where you will need to demonstrate that you can design and develop an information system solution that can solve a real community/business based problem.

To graduate from this course, you will be required to complete 24 units, 16 of which are the core units outlined on the following page. The remaining 8 units are electives, which you can use to complete a major or sub major.

ENTRY REQUIREMENTS FOR NON HSC STUDENTS

If you are not a HSC Student or did not receive the right ATAR, there are a number of pathways you can take to get in to the Bachelor of Information Systems, including the College, Uni Track and TAFE.

You can find out more about alternative pathways to the University by visiting westernsydney.edu.au/pathways

If you have completed a Diploma at TAFE or The College at Western Sydney University, you may be eligible for advanced standing.

Your previous study may make you eligible for credit on a number of units, which can help you complete your Bachelor of Information Systems sooner. On the following pages, we have included pathway information for some of the more popular diploma's that current Bachelor of Information System students have completed and what their study plans might look like.

For full information on Western Sydney University, The College and Advanced Standing please visit the following link westernsydney.edu.au/tertiaryeducationpathwaysandpartnerships/home/westernsydney_areas_of_study_for_vet/engineering,_information_and_communications_technology/bachelor_of_computing



Course Structure – Autumn Start

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300580 Programming Fundamentals	300585 Systems Analysis and Design
		100483 Principles of Professional Communications 1	300573 Information Systems in Context
2	Spring	300565 Computer Networking (or Adv. 300946)	200032 Statistics for Business
		300104 Database Design and Development (or Adv. 300941)	Elective 1
	Autumn	300582 Technologies for Web Applications	Elective 2
		300570 Human-Computer Interaction (or Adv. 300901)	Elective 3
	Spring	300569 Computer Security	300960 Mobile Applications Development
		300572 Information Systems Deployment and Management	Elective 4

Course Structure – Spring Start

YEAR	SESSION	COURSE STRUCTURE	
1	Spring	300565 Computer Networking	300573 Information Systems in Context
		300104 Database Design and Development	200032 Statistics for Business
	Autumn	300580 Programming Fundamentals 1	300585 Systems Analysis and Design
		Elective 1	Principles of Professional Communications 1
2	Spring	300569 Computer Security	300572 Information Systems Deployment and Management
		Elective 2	Elective 3
	Autumn	300582 Technologies for Web Applications	300570 Human-Computer Interaction
		Elective 4	Elective 5
3	Spring	300961 Social Computing	300960 Mobile Applications Development
		Elective 6	Elective 7
	Autumn	300579 Professional Experience	300578 Professional Development
		300584 Emerging Trends in Information Systems	Elective 8

Course Structure – Fast Track Autumn Start (2.5Y)

	SESSION	COURSE STRUCTURE	
1	Autumn	300580.2 Programming Fundamentals	300585.2 Systems Analysis and Design
		100483.2 Principles of Professional Communication 1	And one elective
	Spring	300565.2 Computer Networking	300573.2 Information Systems in Context
		And two electives	
2	Summer A	300570.3 Human-Computer Interaction	
		300104.4 Database Design and Development	
	Autumn	300582.2 Technologies for Web Applications	200032.5 Statistics for Business
		And two electives	
	Spring	300569.2 Computer Security	300960.3 Mobile Applications Development
		300572.2 Information Systems Deployment and Management	300961.1 Social Computing
	Summer A	300578.3 Professional Development	
		And one elective	
	Autumn	300584.4 Emerging Trends in Information Systems	And two electives
		300579.5 Professional Experience	

Course Structure – Fast Track Summer Start (2.5Y)

YEAR	SESSION	COURSE STRUCTURE	
1	Summer A	200032.5 Statistics for Business	300104.4 Database Design and Development
	Autumn	300580.2 Programming Fundamentals	300585.2 Systems Analysis and Design
		100483.2 Principles of Professional Communication 1	300573.2 Information Systems in Context
	Spring	300565.2 Computer Networking	300572.2 Information Systems Deployment and Management
		And two electives	
2	Summer A	300570.3 Human-Computer Interaction And one elective	
	Autumn	300582.2 Technologies for Web Applications And three electives	
		300569.2 Computer Security	300960.3 Mobile Applications Development
	Spring	300961.2 Social Computing	And one elective
3	Summer A	300578.3 Professional Development	And one elective
	Autumn	300579.5 Professional Experience	300584.4 Emerging Trends in Information Systems

Course Structure – Fast Track Autumn Start (2.5Y)

YEAR	SESSION	COURSE STRUCTURE	
3	Autumn	300578 Professional Development	Elective 5
		300584 Emerging Trends in Information Systems (or Adv. Compulsory 300942)	Elective 6
	Spring	300579 Professional Experience (or Adv. Compulsory 300900)	Elective 7
		300961 Social Computing	Elective 8



3688. Bachelor of Information Systems (Advanced)

COURSE OVERVIEW

In addition to the content described for the Bachelor of Information Systems, this course utilises advanced activities, extension projects, research training and hands on work on real business projects. This program is aimed at high achievers. Students, who complete first year of B Info Sys with a GPA above 5 will be able to transfer to the Advanced Degree. To graduate with the Advanced Degree, students are required to keep their GPA at 5 or above for the duration of the course.



Advanced Degree Course Structure – Autumn Start

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300580.2 Programming Fundamentals	300585.2 Systems Analysis and Design
		100483.2 Principles of Professional Communication 1	300573.2 Information Systems in Context
	Spring	200032.5 Statistics for Business	
		Choose one of	
		300565.2 Computer Networking	300946.1 Computer Networking (Advanced)
		Choose one of	
2	Autumn	300104.4 Database Design and Development	300941.1 Database Design and Development (Advanced)
		And one elective	
		300582.2 Technologies for Web Applications	
		Choose one of	
	Spring	300570.3 Human-Computer Interaction	300901.1 Human-Computer Interaction (Advanced)
		And two electives	
3	Autumn	300569.2 Computer Security	300960.3 Mobile Applications Development
		300572.2 Information Systems Deployment and Management	
	Spring	And one elective	
		300578.3 Professional Development	300942.2 Emerging Trends in Information Systems (Advanced)
		And two electives	
		300900.1 Professional Experience (Advanced)	300961.2 Social Computing
		And two electives	

Please see handbook westernsydney.edu.au/hbook/course.aspx?course=3688.1 for details

Advanced Degree Course Structure – Spring Start

YEAR	SESSION	COURSE STRUCTURE	
1	Spring	300573.2 Information Systems in Context	200032.5 Statistics for Business
		300580.2 Programming Fundamentals	
		And one elective	
	Autumn	100483.2 Principles of Professional Communication 1	300585.2 Systems Analysis and Design
		And two electives	
2	Spring	300569.2 Computer Security	300572.2 Information Systems Deployment and Management
		Choose one of	
		300104.4 Database Design and Development	300941.1 Database Design and Development (Advanced)
		Choose one of	
	Autumn	300565.2 Computer Networking	300946.1 Computer Networking (Advanced)
		300582.2 Technologies for Web Applications	
		Choose one of	
		300570.3 Human-Computer Interaction	300901.1 Human-Computer Interaction (Advanced)
		And two electives	
3	Spring	300961.2 Social Computing	300960.3 Mobile Applications Development
		And two electives	
	Autumn	300900.1 Professional Experience (Advanced)	300578.3 Professional Development
		300942.2 Emerging Trends in Information Systems (Advanced)	
		And one elective	

Advanced Units

COMPULSORY ADVANCED UNITS

300942.1	Emerging Trends in Information Systems (Advanced)
300900.1	Professional Experience (Advanced)

A FURTHER THREE (3) UNITS TO BE CHOSEN FROM

300946.1	Computer Networking (Advanced)
300941.1	Database Design and Development (Advanced)
300901.1	Human-Computer Interaction (Advanced)
300903.1	Programming Techniques (Advanced)
300902.1	Web Systems Development (Advanced)

Students undertaking the Advanced Degree are required to complete 5 Advanced units. For detailed information about the units please see the Western Sydney University Handbook.

Advanced students also have the opportunity to complete combine their degree with our new Bachelor of Applied Leadership and Critical Thinking degree.

For more details, please see handbook.uws.edu.au/hbook/course.aspx?course=3725.1

The Bachelor of Applied Leadership and Critical Thinking (BALCT) is not a stand-alone degree, but is designed to be undertaken in combination with any of our advanced bachelor degrees. It focuses on ethical leadership, creativity, entrepreneurship and innovation, capacity to deal with complexities, relationship and critical thinking skills.

Students enrolled in this degree will think from multiple perspectives, see and create opportunities, and bring creative, cooperative, empathetic and ethical leadership to their future roles in the workplace – even if those roles are, as yet, unimagined.

STUDENT PROFILES AND CAREER PROSPECTS

Joshua La Macchia

WHY DID YOU DECIDE TO STUDY AT WESTERN SYDNEY UNIVERSITY?

I thought I would be going to TAFE, but instead got a place here during the main round offers. I have really enjoyed my time here.

WHY DID YOU SELECT INFORMATION SYSTEMS?

When I got out of high school, I knew that I wanted to go into IT, but I didn't know where. I knew that Information Systems are the heart of many businesses today, so learning how they worked, and finding what trends were happening at the moment from a technical level (like Cloud computing and Big Data Analytics) were going to be interesting.

WHAT WAS YOUR FIRST DAY AT WESTERN SYDNEY UNIVERSITY LIKE?

Different. It was different from high school, since you now have so much freedom, and I found it very interesting.

I did a UniStep Course at Parramatta before I started in 2010, so that helped a lot with adjusting to uni life. I had worked my way around Parramatta campus, but I still had a lot to learn.

WHAT ARE SOME OF YOUR UNIVERSITY HIGHLIGHTS?

Completing the Professional Experience Project, where a team and I had to complete a project for an Academic Team at the New Bulgaria University. That was exciting going from a few pointers to a completed project in a matter of months.

INFORMATION SYSTEMS CAREER PROSPECTS

As a graduate of an information systems degree, you may find yourself working as:

→ Systems Architect

Defining system structures, Identifying System requirements and selecting the most suitable technologies to aid individuals, groups, industries and business.

→ Business Analyst

Analysing key business/organisational domains. Identifying actors, tasks, business processes, data storages and potential technologies.

→ Systems Developer

Developing, coding and integrating new and existing systems.

→ Systems Manager

Managing the performance of the current systems. Identifying potential areas of improvements, ensuring there is adequate backup, system monitoring and system resources.

→ Healthcare Information Manager

Developing new systems that will allow medical staff to communicate, share information and make decisions.

→ Database Administrator

Developing and implementing safe and secure databases that will be able to cope with large amounts of data.

→ Software Quality Analyst

Testing software and assuring it performs as intended. Also, conducting regular audits to assure quality is maintained.

→ Project Manager

Breaking down projects into tasks, identifying milestones, key stakeholders and assuring all required project components are being delivered the in required time.

→ Games Developer

Planning, designing and integrating web based, mobile based and/or stand space alone interactive games and simulations.

→ Network Developer

Implementing well-suited networks for a variety of purposes.

→ Web Systems Designer/Developer

Creating, designing, developing and maintaining webpages.

→ Mobile Applications Developer

Developing a wide range of mobile applications that will, in the future, allow us to monitor our homes, business, cars and even our own body vitals.

→ Knowledge Manager

Capturing, analyzing, mining, visualizing data and producing organisational knowledge that can then be used for successful decision making.



STUDENT PROFILES

Kurt Baldwin – Advanced Degree

HOW DOES THE ADVANCED BACHELOR OF INFORMATION SYSTEMS DEGREE DIFFER FROM THE BACHELOR OF INFORMATION SYSTEMS AND WHY DID YOU CHOOSE/TRANSFER TO IT?

The advanced degree offers much more challenging and rewarding work as well as an industry mentor to help you through your degree. I chose to transfer into the advanced degree to further my education with much more engaging work.

WHAT IS THE BEST THING ABOUT DOING AN ADVANCED DEGREE?

The opportunities this degree has given me, such as an industry placement for professional experience and an industry mentor to guide me through my work, have been the best parts of the advanced degree.

HOW HAS THE INDUSTRY MENTOR BENEFIT YOUR LEARNING AND CAREER GOALS?

I've been able to contact my mentor to pose him questions about my work or ask for guidance in whatever I am doing, from home projects to presentations for class, even just sharing emails about interesting developments in computing. Having a mentor has been a very rewarding experience, allowing me to see further into both my degree and the field of computing.



THERE ARE A NUMBER OF UNITS THAT RUN AT AN ADVANCED LEVEL WHEN STUDYING AN ADVANCED DEGREE, HOW DO THEY DIFFER FROM REGULAR UNITS AND WHAT HAS BEEN YOUR FAVOURITE?

Advanced units have small amounts of additional work that challenge you to learn beyond what is shown during class and challenge you to experiment with new ideas. My personal favourite has been Professional Experience, which for the advanced students includes industry placement and real work experience and training.

YOU'RE HALF WAY THROUGH YOUR FINAL SEMESTER, HOW WOULD YOU SUM UP YOUR EXPERIENCE COMPLETING AN ADVANCED DEGREE?

Doing an advanced degree at Western Sydney University has been a lot of fun, giving me the opportunity to further my knowledge and experience through new opportunities and challenging work.

WOULD YOU RECOMMEND THE ADVANCED DEGREE TO PROSPECTIVE STUDENTS AND WHY?

I would highly recommend doing an advanced degree for the opportunity to try new things and learn further than the normal degree.

WHAT ARE YOUR PLANS AFTER GRADUATION?

I plan on going into industry work and have even had offers from my industry placement work to hire me on for part time work already.

THE ACADEMY. HOW WOULD YOU EXPLAIN THE ACADEMY TO POTENTIAL STUDENTS?

The academy is offered to the highest achieving students to give them a chance to participate in leadership opportunities and network with other students and even members of different industries. It also hosts events for students to travel overseas to conferences and learning opportunities.

WHAT HAVE BEEN SOME OF THE MOST MEMORABLE EXPERIENCES OR HIGHLIGHTS TAKING PART IN THE ACADEMY?

I've only just joined The Academy but have already been offered many opportunities to learn and study across Australia and abroad.

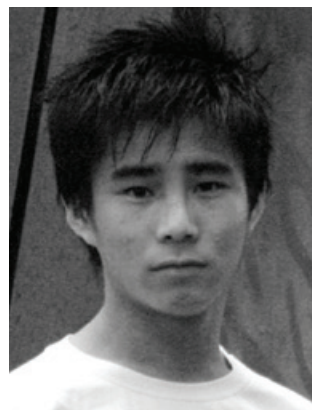
Jesse Tran

The most valuable experiences I gained from the Bachelor of Computing were the close relationships fostered between students and lecturers, which boosted my learning and gave me confidence to succeed, not only at university, but also in the work place. Both staff members and students were very supportive of me, which truly gave me a sense of belonging and discovery.

I found it very beneficial that there were a variety of units in the course that were not only limited to IT skills such as programming and networking, but also included subjects that sharpened my communication, writing and professional development skills. I feel that in order to succeed as an IT professional, all these skills are essential.

I also found the course structure to be very balanced and flexible. During my first year, the theory that I learnt from subjects like Object Oriented Analysis to Database Design and Development was able to help me complete the more practical units in my second year, such as Technologies for Web Applications and Programming Techniques. My final year gave me a real insight into the IT industry with units such as Emerging Trends in Information Systems and Professional Experience.

It is because of all these benefits that I am planning to continue my studies at Western Sydney University to complete my Research Honours.







The Academy

Future thinking. Unlimited possibilities. The Academy at Western Sydney University.

COURSE	UAC CODE	LOCATION	CRICOS CODE	ATAR
B Information Systems (Advanced)	724013	Parramatta	079493K	90.00*
B Information Systems (Advanced) Combined with B Applied Leadership and Critical Thinking	724010	Parramatta		NC

Key: B = Bachelor of; F = Full-time; P = Part-time.

Note: Part-time refers to study load, not to timetabling of evening classes.

*Indicative 2015 ATAR shown. This degree will be new in 2016.

THE FUTURE WON'T BE ABOUT WHAT YOU KNOW, IT WILL BE ABOUT HOW YOU THINK.

Change is the only constant, and it's getting faster. New jobs will be created, others will disappear, and new technology will change the career landscape beyond recognition.

The Academy at The Western Sydney University offers advanced degrees that prepare you to thrive in the face of change. You will learn to anticipate, navigate and adapt, to think differently and be creative as an employee, an entrepreneur or an academic. Where once a career followed a linear path, your future will follow several different directions and may take you places you hadn't dreamed of because, right now, they don't exist. The future is uncharted territory. Learn how to navigate it at The Academy.

The Academy's specialised learning experience focuses on developing tomorrow's leaders through carefully tailored academic units, workshops, projects and events.

You will engage with leading academics such as Professor James Arvanitakis and Associate Professor Joanne Lind. Professor Arvanitakis is the Head of The Academy and Australian Prime Minister's University Teacher of the Year 2012. In 2013, Professor Lind received the prestigious Australian Award for University Teaching Excellence in recognition of her innovative teaching techniques.

Advanced Degrees with The Academy

BACHELOR OF INFORMATION SYSTEMS (ADVANCED)

The School of Computing, Engineering and Maths offers an advanced degree called the Bachelor of Information Systems (Advanced). Accredited by the Australian Computer Society, this three-year course focuses on computing and information technology in the context of business and commerce. In addition to the generic content of the program, this course focuses on advanced activities, extension projects, research training and hands-on experience with real-life business and commercial projects. In addition to what is covered in the non-advanced Bachelor of Information Systems, the Advanced course provides you with a mentor to support and guide you throughout your studies, and links you with experienced academic staff and industry professionals to provide you with training. You will also have the opportunity to take part in the school's research groups and projects. Within this program, you will be required to complete two compulsory core Advanced units and an additional three Advanced units of your choice.

COMBINED DEGREES WITH THE ACADEMY

Bachelor of Information Systems (Advanced) / Bachelor of Applied Leadership and Critical Thinking

The Bachelor of Applied Leadership and Critical Thinking combines a cross-section of courses with a focus on high-level critical thinking and innovative problem-solving practices. The degree prepares students for challenges and opportunities yet to be imagined, and provides cross-disciplinary practical experience and ethical leadership skills based on building relationships.

The course is designed for today's leaders who are looking to build a better tomorrow.

Please Note: If you enrol in an advanced course, you will automatically be accepted into The Academy.

For more information on The Academy please visit theacademy.edu.au

FURTHER STUDY OPPORTUNITIES

3696 Bachelor of Information Systems (Honours)

On completion of your Bachelor of Information Systems, you may be eligible to apply for your Honours year.

The Honours program encourages independence in learning and research; further develops academic ability; provides the opportunity to pursue undergraduate studies to a more advanced level, deepening students' intellectual understanding in their major field of study and helping to further develop their research skills. Honours is a recognised point of entry into postgraduate research studies at PhD and Masters levels. If a career in industry is sought.

Honours enables study to a more advanced level with a higher qualification. The course has the opportunity for direct commercial and industrial involvement with a diverse range of organisations, through the provision and joint supervision of research projects.

Together with the completed application, the applicant must submit a 500 to 1000 word research proposal that outlines the research questions, background, research methodology and expected outcomes of the Honours research project.

Talk to your Course Advisors:
westernsydney.edu.au/research



**THINK
BIG**

Bachelor of Information Systems – Majors and Sub-Majors

Bachelor of Information Systems and Bachelor of Information Systems (Advanced) Majors and Sub-Majors

MAJOR CODE	MAJOR NAME
M3070.1	Networking
M3004.1	Health Informatics
M3068.1	Entertainment Computing
M3074.1	Mobile Computing
M3054.1	Mathematics
SUB CODE	SUB-MAJOR NAME
SM3001.1	Systems Administration
SM3002.1	Systems Security
SM3006.1	Web Application Development
SM3055.1	Networking
SM3010.1	Health Information Applications
SM3009.1	Health Information Management
SM3052.1	Entertainment Computing
SM3025.1	Mathematics
SM3026.1	Statistics
SM3053.1	Social Media Analytics
SM3057.1	Mobile Computing

Correct as of March 2015, for any updates/changes, please check <http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3687.1>



Alternative Pathways to the Bachelor of Information Systems

Western Sydney University, The College Diploma of Information and Communications Technology (Western Sydney University Pathway Code 13L0140)

There are a number of alternative pathways to Bachelor of Information Systems degree.

Information for the alternative pathways via the Western Sydney University, The College and TAFE diplomas is presented here.
For more detailed information, please contact the Course Advisor by email: binfosys@westernsydney.edu.au

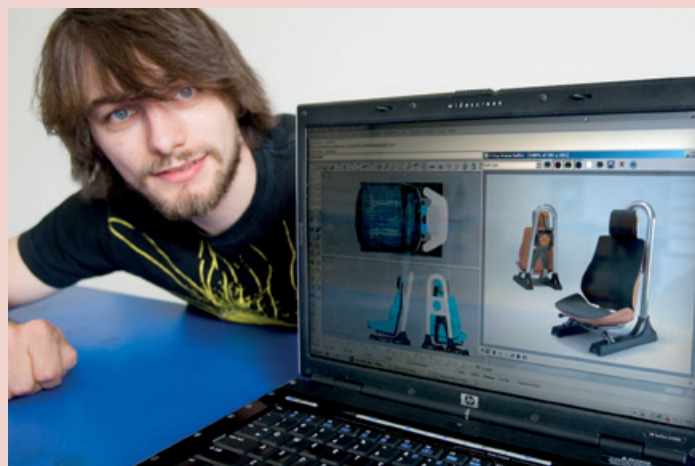
YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300582 Technologies for Web Apps	Elective 1
		300570 Human Computer Interaction	Elective 2
	Spring	300569 Computer Security	300960 Mobile App Development
		300572 IS Deployment & Management	Elective 3
2	Spring	300578 Professional Development	Elective 4
		300584 Emerging Trends in IS	Elective 5
	Autumn	300579 Professional Experience	Elective 6
		300961 Social Computing	Elective 7

Students who have completed the University College Diploma are eligible to receive 80 credit points of advanced standing in the following subjects:

- 10cp – 300580 Computer Networking
- 10cp – 300104 Database Design and Development
- 10cp – 300573 Information Systems in Context
- 10cp – 100483 Principles of Professional Communication
- 10cp – 300580 Programming Fundamentals
- 10cp – 300585 System Analysis and Design
- 10cp – 200032 Statistics For Business
- 10cp – Unspecified Elective Units

☐ identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

The above table maps the study schedule for Bachelor of Information Systems students who have completed a Diploma of Information and Communications Technology with Western Sydney University, The College.



Diploma of Database Design & Development (Western Sydney University Pathway Code 13L0135)

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300580 Programming Fundamentals	300573 Information Systems in Context
		300585 Systems Analysis & Design	20032 Statistics for Business
	Spring	300565 Computer Networking	300569 Computer Security
		300572 IS Deployment & Management	Elective 1
2	Autumn	300582 Technologies for Web Apps*	300570 Human Computer Interaction
		Elective 2	
	Spring	300579 Professional Experience	300961 Social Computing
		3005878 Professional Development	300960 Mobile Applications Development
3	Autumn	300584 Emerging Trends in IS*	

TAFE students that have completed a Diploma of Database Design and Development are eligible to receive 80 credit points of advanced standing in the following:

- 10cp – 100483 Principles of Professional Communication 1
- 10cp – 300104 Database Design & Development
- 60cp – Unspecified Elective Units

identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

* indicates students are eligible to submit an e-form to study 300582 and 300584 in the same semester. Outcome will be dependent on student's academic record.



Diploma of Digital and Interactive Games (Digital Media) (Western Sydney University Pathway Code 13L0137) or (Art) (Western Sydney University Pathway Code 13L0136)

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300580 Programming Fundamentals	300585 Systems Analysis & Design
		300573 Information Systems in Context	20032 Statistics for Business
	Spring	300565 Computer Networking	300569 Computer Security
		IS Deployment & Management	300104 Database Design & Development
2	Autumn	300582 Technologies for Web Apps*	
		Elective 1	Elective 2
	Spring	300579 Professional Experience	300961 Social Computing
		3005878 Professional Development	300960 Mobile App Development
3	Autumn	300584 Emerging Trends in IS*	

TAFE students that have completed a Diploma of Digital and Interactive Games (Digital Media) or (Art) are eligible to receive 80 credit points of advanced standing in the following:

- 10cp – 100483 Principles of Professional Communication
- 10cp – 300570 Human Computer Interaction
- 60cp – Unspecified Elective Units

identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

* indicates students are eligible to submit an e-form to study 300582 and 300584 in the same semester. Outcome will be dependent on student's academic record.

Diploma of Digital & Interactive Games (Programming) (Western Sydney University Pathway Code 13L0138)

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300582 Technologies for Web Apps	200032 Statistics for Business
		300573 Information Systems in Context	300585 Systems Analysis & Design
	Spring	300572 IS Deployment & Management	300104 Database Design & Development
		300569 Computer Security	300565 Computer Networking
2	Autumn	300584 Emerging Trends in IS	300570 Human Computer Interaction
		3005878 Professional Development	Elective 1
	Spring	300579 Professional Experience	300961 Social Computing
		300960 Mobile App Development	Elective 2

TAFE students that have completed a Diploma of Digital & Interactive Games (Programming) are eligible to receive 80 credit points of advanced standing in the following:

3005878 Professional Development identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

- 10cp – 100483 Principles of Professional Communication 1
- 10cp – 300580 Programming Fundamentals
- 60cp – Unspecified Elective Units

Diploma of Digital Media Technologies (Western Sydney University Pathway Code 13L0139)

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300580 Programming Fundamentals	300585 Systems Analysis & Design
		300573 Information Systems in Context	20032 Statistics for Business
	Spring	300565 Computer Networking	300569 Computer Security
		300572 IS Deployment & Management	300104 Database Design & Development
2	Autumn	300582 Technologies for Web Apps*	
		Elective 1	Elective 2
	Spring	300579 Professional Experience	300961 Social Computing
		3005878 Professional Development	300960 Mobile App Development
3	Autumn	300584 Emerging Trends in IS*	

TAFE students that have completed a Diploma of Digital Media Technologies are eligible to receive 80 credit points of advanced standing in the following:

300582 Technologies for Web Apps* identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

- 10cp – 100483 Principles of Professional Communication
- 10cp – 300570 Human Computer Interaction
- 60cp – Unspecified Elective Units

* indicates students are eligible to submit an e-form to study 300582 and 300584 in the same semester. Outcome will be dependent on student's academic record.



Diploma of Digital & Interactive Games (Programming) (Western Sydney University Pathway Code 13L0138)

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300582 Technologies for Web Apps	200032 Statistics for Business
		300573 Information Systems in Context	300585 Systems Analysis & Design
	Spring	300572 IS Deployment & Management	300104 Database Design & Development
		300569 Computer Security	300565 Computer Networking
2	Autumn	300584 Emerging Trends in IS	300570 Human Computer Interaction
		3005878 Professional Development	Elective 1
	Spring	300579 Professional Experience	300961 Social Computing
		300960 Mobile App Development	Elective 2

TAFE students that have completed a Diploma of Digital & Interactive Games (Programming) are eligible to receive 80 credit points of advanced standing in the following:

■ identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

- 10cp – 100483 Principles of Professional Communication 1
- 10cp – 300580 Programming Fundamentals
- 60cp – Unspecified Elective Units



Diploma of Digital Media Technologies (Western Sydney University Pathway Code 13L0139)

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300580 Programming Fundamentals	300585 Systems Analysis & Design
		300573 Information Systems in Context	20032 Statistics for Business
	Spring	300565 Computer Networking	300569 Computer Security
		300572 IS Deployment & Management	300104 Database Design & Development
2	Autumn	300582 Technologies for Web Apps*	
		Elective 1	Elective 2
	Spring	300579 Professional Experience	300961 Social Computing
		3005878 Professional Development	300960 Mobile App Development
3	Autumn	300584 Emerging Trends in IS*	

TAFE students that have completed a Diploma of Digital Media Technologies are eligible to receive 80 credit points of advanced standing in the following:

■ identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

- 10cp – 100483 Principles of Professional Communication
- 10cp – 300570 Human Computer Interaction
- 60cp – Unspecified Elective Units

* indicates students are eligible to submit an e-form to study 300582 and 300584 in the same semester. Outcome will be dependent on student's academic record.

Diploma of Information Technology Networking (Western Sydney University Pathway Code 13L0144)

YEAR	SESSION	COURSE STRUCTURE
1	Autumn	300580 Programming Fundamentals
		200032 Statistics for Business
	Spring	300585 Systems Analysis and Design
		300573 Information Systems in Context
2	Autumn	300572 IS Deployment & Management
		300104 Database Design & Development
	Spring	300569 Computer Security
		Elective 1
	Autumn	300582 Technologies for Web Apps*
		300570 Human Computer Interaction
	Spring	3005878 Professional Development
		Elective 2
3	Autumn	300961 Social Computing
		300960 Mobile App Development
	Spring	300579 Professional Experience
3	Autumn	300584 Emerging Trends in IS*

TAFE students that have completed a Diploma of Information Technology Networking are eligible to receive 80 credit points of advanced standing in the following:

- 10cp – 100483 Principles of Professional Communication 1
- 10cp – 300565 Computer Networking
- 60cp – Unspecified Elective Units

■ identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

* indicates students are eligible to submit an e-form to study 300582 and 300584 in the same semester. Outcome will be dependent on student's academic record.

Diploma of Information Technology Systems Administration (Western Sydney University Pathway Code 13L0145)

YEAR	SESSION	COURSE STRUCTURE
1	Autumn	300580 Programming Fundamentals
		20032 Statistics for Business
	Spring	300573 Information Systems in Context
		Elective 1
2	Autumn	300572 IS Deployment & Management
		300104 Database Design & Development
	Spring	300569 Computer Security
		300565 Computer Networking
	Autumn	300582 Technologies for Web Apps*
		300570 Human Computer Interaction
	Spring	3005878 Professional Development
		Elective 2
3	Autumn	300961 Social Computing
		300960 Mobile App Development
	Spring	300579 Professional Experience 300
3	Autumn	300584 Emerging Trends in IS*

TAFE students that have completed a Diploma of Information Technology Systems Administration are eligible to receive 80 credit points of advanced standing in the following:

- 10cp – 100483 Principles of Professional Communication 1
- 10cp – 300585 Systems Analysis & Design
- 60cp – Unspecified Elective Units

■ identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

* indicates students are eligible to submit an e-form to study 300582 and 300584 in the same semester. Outcome will be dependent on student's academic record.



Diploma of Software Development (Western Sydney University Pathway Code 13L0146)

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300582 Technologies for Web Apps	200032 Statistics for Business
		300573 Information Systems in Context	Elective 1
	Spring	300572 IS Deployment & Management	300104 Database Design & Development
		300569 Computer Security	300565 Computer Networking
2	Autumn	300584 Emerging Trends in IS	300570 Human Computer Interaction
		3005878 Professional Development	Elective 2
	Spring	300579 Professional Experience	300961 Social Computing
		300960 Mobile App Development	Elective 3

TAFE students that have completed a Diploma of Software Development are eligible to receive 80 credit points of advanced standing in the following:

- 10cp – 100483 Principles of Professional Communication 1
- 10cp – 300585 System Analysis and Design
- 10cp – 300580 Programming Fundamentals
- 50cp – Unspecified Elective Units

identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.



Diploma of Website Development (Western Sydney University Pathway Code 13L0148)

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300585 Systems Analysis & Design	200032 Statistics for Business
		300573 Information Systems in Context	Elective 1
	Spring	300572 IS Deployment & Management	300104 Database Design & Development
		300569 Computer Security	300565 Computer Networking
2	Autumn	300584 Emerging Trends in IS	300570 Human Computer Interaction
		3005878 Professional Development	Elective 2
	Spring	300579 Professional Experience	300961 Social Computing
		300960 Mobile App Development	Elective 3

TAFE students that have completed a Diploma of Website Development are eligible to receive 80 credit points of advanced standing in the following:

- 10cp – 100483 Principles of Professional Communication 1
- 10cp – 300582 Technologies for Web Applications
- 10cp – 300580 Programming Fundamentals
- 50cp – Unspecified Elective Units

identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

* identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

Advanced Diploma of Information Technology (Network Security) (Western Sydney University Pathway Code 13L0149) and Advanced Diploma of Network Security (Western Sydney University Pathway code 13L0149)

YEAR	SESSION	COURSE STRUCTURE	
1	Autumn	300580 Programming Fundamentals	300573 Information Systems in Context
	Spring	300572 IS Deployment & Management	300104 Database Design & Development
		300569 Computer Security	
2	Autumn	300582 Technologies for Web Apps*	300570 Human Computer Interaction
		3005878 Professional Development	
	Spring	300961 Social Computing	300960 Mobile App Development
		300579 Professional Experience	
3	Autumn	300584 Emerging Trends in IS*	

TAFE students that have completed an Advanced Diploma of Information Technology (Network Security) or an Advanced Diploma of Network Security are eligible to receive 80 credit points of advanced standing in the following:

- 10cp – 100483 Principles of Professional Communication 1
- 10cp – 300585 Systems Analysis and Design
- 10cp – 300565 Computer Networking
- 10cp – 300575 Networked System Design
- 10cp – 300138 LAN Workshop
- 10cp – 300143 Network Security
- 10cp – 300166 Systems and Network management
- 10cp – 200032 Statistics for Business
- 40cp – Unspecified Elective Units

■ identifies units available during Summer sessions, which allows students to accelerate the completion of their degree.

* indicates students are eligible to submit an e-form to study 300582 and 300584 in the same semester. Outcome will be dependent on student's academic record.

^ Credit for unit 200032 Statistics for Business is conditional and subject to individual competency and assessment. For more information, please contact the Director of Academic Program.



Need study help?

Western Sydney University offers a number of programs to help you get the most out of study, whether you like studying in a group or just want some advice.

PASS

Peer Assisted Study Sessions (PASS) is a free and voluntary student centred learning program. In PASS, you will meet and work with other students to understand the content of your unit/s and develop study strategies to help improve your academic performance. Through actively working together with other students, you will find that you are more engaged and develop a deeper understanding of the content. PASS sessions are facilitated by a senior student who has previously successfully completed the unit.

PASS is for everyone – from those wanting to gain a high distinction to those aiming to pass the unit.

For more information on PASS and available sessions, please visit the following link:
westernsydney.edu.au/pass

MESH

Do you need a second chance in understanding the mathematics and/or statistics needed for your studies? Help is at hand from the Mathematics Education Support Hub (MESH) team!

For more information, visit:
westernsydney.edu.au/mesh

MATES

MATES is a mentoring program for new students. MATES stands for Mentoring and Transition Equals Success at the University.

MATES provides first year students with an opportunity to connect with other new students and mentors in later years of study.

This helps new students make friends, network with other students and gain knowledge and skills to settle into life at university.

The program runs for the first six weeks of each teaching session.

For more information, visit:
westernsydney.edu.au/mates

SCHOLARSHIPS

There is a wide range of Scholarships available to prospective and current students. Find out about the available
westernsydney.edu.au/scholarships

FAST TRACK YOUR DEGREE WITH A SUMMER SESSION

Western Sydney University Summer is an intensive teaching session. Although the Summer sessions are much shorter than Autumn or Spring, the same amount of work, content and assessment is involved.

That is why it is recommended that you do not take more than two units in Summer.

Note however that if you do decide to study over the Summer sessions, you may also speed up the completion of your course.





Student Support Services

COUNSELLING

The Western Sydney University Counselling Service is a team of qualified social workers and psychologists, who are trained to work with diverse student populations on any issues of concern. For more information, visit the following link:

westernsydney.edu.au/counselling

DISABILITY

The Disability Service is a team of professional Disability Advisors and trained educational support staff. They can support and assist future and current students with disabilities and chronic health conditions to reach their full academic potential. Students with a temporary injury such as a broken limb may also be eligible for assistance. For more information, please see the following link.

westernsydney.edu.au/disability_service

WELFARE

The Student Welfare Service has professionally trained staff to help you work through the unexpected problems that sometimes catch you by surprise. For more information, please visit:

westernsydney.edu.au/welfare

CAREERS

Are you unsure about where your career future is heading? Do you know where you're going, but need some help in getting there?

Western Sydney University Careers is a service for students of all disciplines. We provide a range of information and resources designed to help you make good career choices and plan your career journey. We can help you choose the right career, identify your skills and learning needs, contact employers, write your resume and applications and perform well at your interviews.

We can also help you with part-time, casual or degree-related work while you study. We run a great internship program with opportunities locally and overseas. Many of our services are available online, so you can get help fast when you need it. Visit our website at westernsydney.edu.au/careers for more information.



Information for International Students

ENTRY REQUIREMENTS

- IELTS 6.5
- Relevant High School Completion
- Articulation via Western Sydney University, The College/TAFE
- Admission to Western Sydney University is on the basis of meeting minimum academic and English language requirements for your course.

ENGLISH LANGUAGE ENTRY REQUIREMENTS

All international students must have a good command of written and spoken English.

If your first language is English or if you can provide satisfactory evidence that English was the medium of instruction in your secondary or tertiary studies (secondary or tertiary studies completed within 2 years at the time of your commencement at Western Sydney University), you may be considered as meeting the requirement of proficiency in English.

If English is not your first language or was not the medium of instruction in your secondary or tertiary studies, you are required to demonstrate your proficiency in the English language by achieving a prescribed level in an approved English examination or test before you can receive a full offer of a place.

Your English language proficiency test must be no more than two years old at the time of your commencement at UWS.

For more information on the English language entry requirements visit westernsydney.edu.au/international/home/admissions/entry_requirements

ACCOMMODATION

Western Sydney University Village provides for students from various educational providers and short stay accommodation and is available for short-term visitors from tourists groups as well as independent travellers. Western Sydney University Village offers a wide range of quality, fully furnished accommodation options on each campus. Whether you're looking to live in style or work to a budget, chances are we will have something for you.

Each Western Sydney University Village site provides a self-catered independent living experience with support available 24 hours a day. Our Live, Learn, Grow residential life program ensures that there are plenty of opportunities to meet new people, support your studies and learn new skills. We're the ideal place to relax with friends after a hard day of studying!

Find out more about living on-campus visit westernsydney.edu.au/village

For further information on studying abroad at Western Sydney University and support services available to International students, please see the following link: westernsydney.edu.au/globalmobility

STUDENT SUPPORT

For further information on studying abroad and support services available to International students, please see the following link:

westernsydney.edu.au/globalmobility/studyabroad



Contact information

1300 897 669
study@westernsydney.edu.au

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Penrith NSW 2751 Australia



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