

# BACHELOR OF INFORMATION SYSTEMS

**Effective from:** 2016

**Approved Abbreviation:** BInfoSys

**Western Sydney University Program Code:** 3687

**AQF Level:** 7

**CRICOS Code:** 079492M

This program applies to students who commenced in 2016 or later.

Students should follow the program structure for the session start date relevant to the year they commenced.

For Commencement Year 2014, please refer to: 3687.1 Bachelor of Information Systems (<http://handbook.uws.edu.au/hbook/course.aspx?course=3687.1>)

Today, practising professionals need to not only have knowledge and skills in computing, they also need to understand the context in which computer technology is applied in society, and be able to work collaboratively with people in all sorts of professions and industries. The Bachelor of Information Systems degree integrates closely the applications of computing and information systems in a global business environment. You will work with organisations to design, develop, deploy and manage information systems through the application of computing technology. This program will help you carry out a real-life project where you will need to design and develop an information system that solves a community-based problem.

## Study Mode

Three years full-time.

## Program Advice

Program Advice ([CDMS@westernsydney.edu.au](mailto:CDMS@westernsydney.edu.au))

Prospective students should visit the following websites for general enquiries about this program.

Enquire about this program (<https://enquiry.westernsydney.edu.au/courseenquiry/>) | Local Admission (<https://www.westernsydney.edu.au/future/>) | International Admission (<https://www.westernsydney.edu.au/international/home/apply/admissions/>) |

## Location

Campus	Attendance	Mode	Advice
Parramatta Campus - Victoria Road	Full Time	Internal	Simi Kamini Bajaj ( <a href="https://directory.westernsydney.edu.au/search/email/k.bajaj@westernsydney.edu.au">https://directory.westernsydney.edu.au/search/email/k.bajaj@westernsydney.edu.au</a> )
Sydney City Campus	Full Time	Internal	Antoinette Cevenini ( <a href="https://directory.westernsydney.edu.au/search/email/a.cevenini@city.westernsydney.edu.au">https://directory.westernsydney.edu.au/search/email/a.cevenini@city.westernsydney.edu.au</a> )

## Accreditation

The Bachelor of Information Systems is accredited with the Australian Computer Society (ACS) at Professional Level.

## Work Integrated Learning

Western Sydney University seeks to enhance student learning experiences by enabling students to engage in the culture, expectations and practices of their profession or discipline. This program includes a placement or other community-based unpaid practical experience.

There is a mandatory work component required for completion of this program. Please contact the Program Advisor listed above for information.

International students should also refer to the link below for more information and a link to the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS).

Work Integrated Learning (WIL) for international students ([https://www.westernsydney.edu.au/currentstudents/current\\_students/services\\_and\\_facilities/international\\_student\\_support/working\\_in\\_australia/work\\_integrated\\_learning/](https://www.westernsydney.edu.au/currentstudents/current_students/services_and_facilities/international_student_support/working_in_australia/work_integrated_learning/))

## Admission

Assumed Knowledge: HSC Mathematics and any two units of HSC English.

Applications from Australian and New Zealand citizens and holders of permanent resident visas may be made via the Universities Admissions Centre (UAC) or directly through the Western Portal. Use the links below to apply via UAC or Western Sydney University. Applications made directly to Western Sydney do not have an application fee.

<http://www.uac.edu.au/>  
<https://westernsydney.uac.edu.au/ws/>

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to the University should also use the information provided on the UAC website.

International students currently completing an Australian Year 12 in or outside Australia, an International Baccalaureate in Australia or a New Zealand National Certificate of Educational Achievement (NCEA) level 3 must apply via UAC International.

<http://www.uac.edu.au/>

All other International applicants must apply directly to the University via the International Office.

International students applying to the University through the International Office can find details of minimum English proficiency requirements and acceptable proof on their website.

International Office (<http://www.westernsydney.edu.au/international/>)

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and Western Sydney University.

## Recommended Sequence

Qualification for the Bachelor of Information Systems requires the successful completion of 240 credit points which include the subjects listed in the recommended sequences below.

**Double Degrees are Available with Business and Law.**

Bachelor of Information Systems/Bachelor of Business (<https://hbook.westernsydney.edu.au/programs/bachelor-information-systems-bachelor-business/>)

Bachelor of Information Systems/Bachelor of Laws (<https://hbook.westernsydney.edu.au/programs/bachelor-information-systems-bachelor-laws/>)

## Sydney City Campus

Click here for the recommended sequence at Sydney City Campus ([https://www.westernsydney.edu.au/city/courses/undergraduate/information\\_systems/?utm\\_source=Handbook](https://www.westernsydney.edu.au/city/courses/undergraduate/information_systems/?utm_source=Handbook)).

### Full-time start-year intake - Parramatta Campus

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
COMP 1005	Programming Fundamentals	10
COMM 1026	Principles of Professional Communication 1	10
INFS 1006	Systems Analysis and Design	10
INFS 1002	Information Systems in Context	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
COMP 2004	Computer Networking	10
INFS 2001	Database Design and Development	10
MATH 1030	Statistics for Business	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Year 2</b>		
<b>Autumn session</b>		
COMP 2020	Technologies for Web Applications	10
INFO 3003	Human-Computer Interaction	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
INFO 3001	Computer Security	10
INFS 3012	Information Systems Deployment and Management	10
COMP 3013	Mobile Applications Development	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Year 3</b>		
<b>Autumn session</b>		
INFO 3008	Professional Development	10
INFS 3006	Emerging Trends in Information Systems	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
COMP 3018	Professional Experience	10
INFO 3011	Social Computing	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>240</b>

### Full-time mid-year intake - Parramatta Campus

Course	Title	Credit Points
<b>Year 1</b>		
<b>Spring session</b>		
COMP 2004	Computer Networking	10
INFS 2001	Database Design and Development	10
INFS 1002	Information Systems in Context	10
MATH 1030	Statistics for Business	10
<b>Credit Points</b>		<b>40</b>
<b>Autumn session</b>		
COMP 1005	Programming Fundamentals	10
COMM 1026	Principles of Professional Communication 1	10
INFS 1006	Systems Analysis and Design	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Year 2</b>		
<b>Spring session</b>		
INFO 3001	Computer Security	10
INFS 3012	Information Systems Deployment and Management	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Autumn session</b>		
COMP 2020	Technologies for Web Applications	10
INFO 3003	Human-Computer Interaction	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Year 3</b>		
<b>Spring session</b>		
INFO 3011	Social Computing	10
COMP 3013	Mobile Applications Development	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Autumn session</b>		
COMP 3018	Professional Experience	10
INFO 3008	Professional Development	10
INFS 3006	Emerging Trends in Information Systems	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>240</b>

### Full-time - Accelerated Pathway Start-year 2.5 year accelerated pathway with summer sessions

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
COMP 1005	Programming Fundamentals	10
COMM 1026	Principles of Professional Communication 1	10
INFS 1006	Systems Analysis and Design	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>

**Spring session**

COMP 2004	Computer Networking	10
INFS 1002	Information Systems in Context	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>

**Summer A session**

INFO 3003	Human-Computer Interaction	10
INFS 2001	Database Design and Development	10
Summer Subject information <sup>1</sup>		
<b>Credit Points</b>		<b>20</b>

**Year 2****Autumn session**

COMP 2020	Technologies for Web Applications	10
MATH 1030	Statistics for Business	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>

**Spring session**

INFO 3001	Computer Security	10
INFS 3012	Information Systems Deployment and Management	10
COMP 3013	Mobile Applications Development	10
INFO 3011	Social Computing	10
<b>Credit Points</b>		<b>40</b>

**Summer A session**

INFO 3008	Professional Development	10
Select one elective		10
Summer Subject information <sup>1</sup>		
<b>Credit Points</b>		<b>20</b>

**Year 3****Autumn session**

INFS 3006	Emerging Trends in Information Systems	10
COMP 3018	Professional Experience	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>

**Total Credit Points** 240

<sup>1</sup> Summer Subject information ([https://www.westernsydney.edu.au/currentstudents/current\\_students/enrolment/uws\\_summer/](https://www.westernsydney.edu.au/currentstudents/current_students/enrolment/uws_summer/))

## Full-time Accelerated Pathway Early start 2.5 year accelerated pathway with summer sessions

Course	Title	Credit Points
<b>Year 1</b>		
<b>Summer A session</b>		
MATH 1030	Statistics for Business	10
INFS 2001	Database Design and Development	10
Summer Subject information <sup>1</sup>		
<b>Credit Points</b>		<b>20</b>
<b>Autumn session</b>		
COMP 1005	Programming Fundamentals	10
COMM 1026	Principles of Professional Communication <sup>1</sup>	10
INFS 1006	Systems Analysis and Design	10
INFS 1002	Information Systems in Context	10
<b>Credit Points</b>		<b>40</b>

**Spring session**

COMP 2004	Computer Networking	10
INFS 1002	Information Systems in Context	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>

**Year 2****Summer A session**

INFO 3003	Human-Computer Interaction	10
Select one elective		10
Summer Subject information <sup>1</sup>		
<b>Credit Points</b>		<b>20</b>

**Autumn session**

COMP 2020	Technologies for Web Applications	10
Select three electives		30
<b>Credit Points</b>		<b>40</b>

**Spring session**

INFO 3001	Computer Security	10
COMP 3013	Mobile Applications Development	10
INFO 3011	Social Computing	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>

**Year 3****Summer A session**

INFO 3008	Professional Development	10
Select one elective		10
Summer Subject information <sup>1</sup>		
<b>Credit Points</b>		<b>20</b>

**Autumn session**

COMP 3018	Professional Experience	10
INFS 3006	Emerging Trends in Information Systems	10
<b>Credit Points</b>		<b>20</b>

**Total Credit Points** 240

<sup>1</sup> Summer Subject information ([https://www.westernsydney.edu.au/currentstudents/current\\_students/enrolment/uws\\_summer/](https://www.westernsydney.edu.au/currentstudents/current_students/enrolment/uws_summer/))

## Suggested Majors and Minors Majors

**Parramatta Campus**

Big Data, Major (<https://hbook.westernsydney.edu.au/majors-minors/big-data-major/>)

Business Analytics, Testamur Major (<https://hbook.westernsydney.edu.au/majors-minors/business-analytics-ug-testamur-major/>)

Entertainment Computing, Major (<https://hbook.westernsydney.edu.au/majors-minors/entertainment-computing-major/>)

Health Informatics, Major (<https://hbook.westernsydney.edu.au/majors-minors/health-informatics-major/>)

Interactive Analytics, Major (<https://hbook.westernsydney.edu.au/majors-minors/interactive-analytics-major/>)

Mathematics, Major (<https://hbook.westernsydney.edu.au/majors-minors/mathematics-major/>)

Mobile Computing, Major (<https://hbook.westernsydney.edu.au/majors-minors/mobile-computing-major/>)

Networking, Major (<https://hbook.westernsydney.edu.au/majors-minors/networking-major/>)

User Experience, Major (<https://hbook.westernsydney.edu.au/majors-minors/user-experience-major/>)

#### Penrith Campus

Technology Entrepreneurship, Major (<https://hbook.westernsydney.edu.au/majors-minors/technology-entrepreneurship-major/>)

#### Sydney City Campus

Big Data, Major (<https://hbook.westernsydney.edu.au/majors-minors/big-data-major/>)

Mobile Computing, Major (<https://hbook.westernsydney.edu.au/majors-minors/mobile-computing-major/>)

Networking, Major (<https://hbook.westernsydney.edu.au/majors-minors/networking-major/>)

Minors

#### Parramatta Campus

Cloud Computing, Minor (<https://hbook.westernsydney.edu.au/majors-minors/cloud-computing-minor/>)

Entertainment Computing, Minor (<https://hbook.westernsydney.edu.au/majors-minors/entertainment-computing-minor/>)

Health Informatics, Minor (<https://hbook.westernsydney.edu.au/majors-minors/health-informatics-minor/>)

Mathematics, Minor (<https://hbook.westernsydney.edu.au/majors-minors/mathematics-minor/>)

Mobile Computing, Minor (<https://hbook.westernsydney.edu.au/majors-minors/mobile-computing-minor/>)

Networking, Minor (<https://hbook.westernsydney.edu.au/majors-minors/networking-minor/>)

Social Media Analytics, Minor (<https://hbook.westernsydney.edu.au/majors-minors/social-media-analytics-minor/>)

Systems Administration, Minor (<https://hbook.westernsydney.edu.au/majors-minors/systems-administration-minor/>)

Systems Security, Minor (<https://hbook.westernsydney.edu.au/majors-minors/systems-security-minor/>)

Web Application Development (for Computing Students), Minor (<https://hbook.westernsydney.edu.au/majors-minors/web-application-development-for-computing-students-minor/>)

### Minor elective spaces

Elective subjects may be used toward obtaining an additional approved minor (40 credit points). Western Sydney University offers minors in a range of areas including Sustainability and Indigenous Studies.

Global Sustainability Minor (<https://hbook.westernsydney.edu.au/majors-minors/global-sustainability-minor/>)

Indigenous Australian Studies Minor (<https://hbook.westernsydney.edu.au/majors-minors/indigenous-australian-studies-minor/>)

Western Sydney University also offers the following innovative transdisciplinary minors which we encourage those students who have elective space to consider.

Equitable Technologies (<https://hbook.westernsydney.edu.au/majors-minors/equitable-technologies-minor/>)

Urban Evolution (<https://hbook.westernsydney.edu.au/majors-minors/urban-evolution-minor/>)

Migration and Global Change (<https://hbook.westernsydney.edu.au/majors-minors/migration-global-change-minor/>)

Personal Innovation (<https://hbook.westernsydney.edu.au/majors-minors/personal-innovation-minor/>)

Innovating, Creating and Problem Solving (<https://hbook.westernsydney.edu.au/majors-minors/innovating-creating-problem-solving-minor/>)

Eco-Socially Conscious Design and Manufacturing (<https://hbook.westernsydney.edu.au/majors-minors/eco-socially-conscious-design-manufacturing-minor/>)

Water for Life (<https://hbook.westernsydney.edu.au/majors-minors/water-life-minor/>)

Climate Justice (<https://hbook.westernsydney.edu.au/majors-minors/climate-justice-minor/>)

Global Workplaces (<https://hbook.westernsydney.edu.au/majors-minors/global-workplaces-minor/>)

Innovating For Humans (<https://hbook.westernsydney.edu.au/majors-minors/innovating-humans-minor/>)

Search for majors and minors (<https://hbook.westernsydney.edu.au/majors-minors/>)

Students can apply for an elective minor via MySR.

MyStudentRecords (MySR) (<https://student-selfservice.westernsydney.edu.au/StudentSelfService/ssb/studentCommonDashboard/>)

### Replaced Majors and Minors

The majors and minors listed below count towards completion of this program for students who began studying these majors and minors prior to the years indicated.

M3017, Interactive Analytics, Major (<http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=M3107.1>), replaced by Interactive Analytics, Major in 2020 (listed above).

M3070 Networking, Major (<http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=M3070.1>), replaced by Networking, Major in 2017 (listed above).

SM3055 Networking, Minor (<http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=SM3055.1>), replaced by Networking, Minor in 2017 (listed above).

SM3089 Statistics, Minor (<http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=SM3089.1>), discontinued 2020