

BACHELOR OF INFORMATION SYSTEMS (3687)

Approved Abbreviation: BIInfoSys

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>)

Imagine yourself at the forefront of knowledge economy transformation. Information systems is vital in effectively coordinating and managing the exchange of knowledge, goods, services, and payments. The Bachelor of Information Systems degree aims to equip students with a comprehensive understanding of information technology and its strategic integration within business environments. Through a balanced curriculum encompassing programming, database management, networking, ethics, systems analysis, architecture, methodologies, project management and security, the program seeks to nurture skilled professionals capable of harnessing technology to address real-world business challenges. The degree's objectives include fostering critical thinking, design and systems thinking, problem-solving, and communication skills, encouraging practical learning through internships and industry projects. This degree prepares graduates for diverse roles in IT consulting, systems analysis, data analytics, healthcare and technology management. Through the development of proficiencies in cutting-edge technologies such as artificial intelligence, big data analytics, cloud computing, and cybersecurity, the program aspires to empower students to thrive in the rapidly evolving landscape of information.

Study Mode

Three years full-time.

Program Advice

Program Advice (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	<p>Nicholas Sheppard (https://directory.westernsydney.edu.au/search/name/)</p> <p>Nicholas %20Sheppard/</p>	<p>Sydney City Campus*</p> <p>Full Time</p> <p>Internal</p> <p>Antoinette Cevenini (https://directory.westernsydney.edu.au/search/email/)</p> <p>a.cevenini@city.westernsydney.edu.au</p>

* Programs delivered through an agreement with another party

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/)

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.

Sequence 2025

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/archives/2024-2025/programs/bachelor-information-systems-bachelor-business/>)

Bachelor of Information Systems/Bachelor of Laws (<https://hbook.westernsydney.edu.au/archives/2024-2025/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)

Full-time start-year intake - Parramatta Campus

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 1005	Programming Fundamentals	10
INFO 1003	Professional Practice, Communication and Ethics	10
BUSM 1042	Introduction to Business Analytics	10
ACCT 1005	Accounting in Context	10
	Credit Points	40
Spring session		
COMP 2004	Computer Networking	10
INFS 2001	Database Design and Development	10
INFS 1016	Digital Transformation	10
Select one elective or Major/Minor subject		10
	Credit Points	40
Year 2		
Autumn session		
INFS 3023	Advanced Systems Development Methodologies	10
INFO 3003	Human-Computer Interaction	10
Select two electives or Major/Minor subjects		20
	Credit Points	40
Year 3		
Spring session		
INFS 3027	Social Computing and Systems Thinking	10
INFS 3024	Enterprise Architecture and Design Thinking	10
Select two electives or Major/Minor subjects		20
	Credit Points	40
Autumn session		
COMP 3018	Professional Experience	10
INFS 3006	Emerging Trends in Information Systems	10
Select two electives or Major/Minor subjects		20
	Credit Points	40
	Total Credit Points	240

Course	Title	Credit Points
Year 3		
Autumn session		
INFS 3023	Advanced Systems Development Methodologies	10
INFS 3006	Emerging Trends in Information Systems	10

Select two electives or Major/Minor subjects	Credit Points	40
Spring session		
COMP 3018	Professional Experience	10
INFS 3027	Social Computing and Systems Thinking	10
Select two electives or Major/Minor subjects		20
	Credit Points	40
	Total Credit Points	240

Full-time mid-year intake - Parramatta Campus

Course	Title	Credit Points
Year 1		
Spring session		
COMP 1005	Programming Fundamentals	10
ACCT 1005	Accounting in Context	10
INFS 2001	Database Design and Development	10
INFS 1016	Digital Transformation	10
	Credit Points	40
Autumn session		
INFO 1003	Professional Practice, Communication and Ethics	10
BUSM 1042	Introduction to Business Analytics	10
INFS 2012	Digital Technologies and Security	10
INFS 2013	Systems Analysis and Design	10
	Credit Points	40
Year 2		
Spring session		
COMP 2004	Computer Networking	10
INFO 3019	Project Management	10
Select two electives or Major/Minor subjects		20
	Credit Points	40
Autumn session		
INFS 3023	Advanced Systems Development Methodologies	10
INFO 3003	Human-Computer Interaction	10
Select two electives or Major/Minor subjects		20
	Credit Points	40
Year 3		
Spring session		
INFS 3027	Social Computing and Systems Thinking	10
INFS 3024	Enterprise Architecture and Design Thinking	10
Select two electives or Major/Minor subjects		20
	Credit Points	40
Autumn session		
COMP 3018	Professional Experience	10
INFS 3006	Emerging Trends in Information Systems	10
Select two electives or Major/Minor subjects		20
	Credit Points	40
	Total Credit Points	240

Majors

Business Analytics, Testamur Major (T130) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/business-analytics-ug-testamur-major/>)

Cybersecurity Management, Testamur Major (T153) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cybersecurity-management-testamur-major/>)

Health Informatics, Testamur Major (T007) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/health-informatics-pg-testamur-major/>)

Infonomics, Testamur Major (T158) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/infonomics-testamur-major/>)

Network Management, Testamur Major (T159) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/network-management-testamur-major/>)

User Experience, Testamur Major (T154) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/user-experience-testamur-major/>)

Minors

Cloud Computing, Minor (0128) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cloud-computing-minor/>)

Entertainment Computing, Minor (0145) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/entertainment-computing-minor/>)

Health Informatics, Minor (0037) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/health-informatics-minor/>)

Mobile Computing, Minor (0146) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/mobile-computing-minor/>)

Networking, Minor (0040) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-minor/>)

Major and Minor elective spaces

Elective subjects may be used toward obtaining an additional approved major (80 credit points) or minor (40 credit points). Western Sydney University offers majors and 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 Major (<https://hbook.westernsydney.edu.au/majors-minors/indigenous-australian-studies-major/>)

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

Western Sydney University also offers the following innovative transdisciplinary Challenge Minors (https://www.westernsydney.edu.au/educational_partnerships_and_quality/home/challenge_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/>)

Creative and Visual Communication (<https://hbook.westernsydney.edu.au/majors-minors/creative-visual-communication-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/>)

Creative Living for Cultural Wellbeing (<https://hbook.westernsydney.edu.au/majors-minors/creative-living-cultural-wellbeing-minor/>)

Ideate. Strategise. Innovate. (<https://hbook.westernsydney.edu.au/majors-minors/ideate-strategise-innovate-minor/>)

Humanising Data (<https://hbook.westernsydney.edu.au/majors-minors/humanising-data-minor/>)

For more information, visit the Challenge Minor (https://www.westernsydney.edu.au/educational_partnerships_and_quality/home/challenge_minors/) website.

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

Students can apply for an elective major or minor via Western Now.

WesternNow (<https://www.westernsydney.edu.au/westernnow/>)

Sequence 2024

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Bachelor of Information Systems/Bachelor of Laws (<https://hbook.westernsydney.edu.au/archives/2024-2025/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).

Full-time Start-year Intake - Parramatta Campus

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 1005	Programming Fundamentals	10
COMM 1044	Professional Communication	10
INFS 1002	Information Systems in Context	10
INFS 1006	Systems Analysis and Design	

From Autumn 2025, Students are advised to select INFS 2013 Systems Analysis and Design. Please contact the subject coordinator regarding the prerequisite requirements.

INFS 2013	Systems Analysis and Design	10	
	Credit Points	40	
Spring session			
COMP 2004	Computer Networking	10	
INFS 2001	Database Design and Development	10	
MATH 1030	Statistics for Business	10	
Select one elective		10	
	Credit Points	40	
Year 2			
Autumn session			
COMP 2020	Technologies for Web Applications	10	
INFO 3003	Human-Computer Interaction	10	
Select two electives		20	
	Credit Points	40	
Spring session			
INFO 3019	Project Management	10	
INFS 3012	Information Systems Deployment and Management	10	
COMP 3013	Mobile Applications Development	10	
Select one elective		10	
	Credit Points	40	
Year 3			
Autumn session			
COMP 2027	Cyber Security	10	
INFS 3006	Emerging Trends in Information Systems	10	
Select two electives		20	
	Credit Points	40	
Spring session			
COMP 3018	Professional Experience	10	
INFO 3011	Social Computing	10	
Select two electives		20	
	Credit Points	40	
	Total Credit Points	240	

Equivalent Subjects

The equivalent subjects listed below counts toward completion of this program for students who passed these subjects in 2024 or earlier.

- INFO 3011 Social Computing, replaced by INFS 3027 Social Computing and Systems Thinking

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

INFO 3008 Professional Development replaced by INFO 3019 Project Management

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2025 or earlier.

- INFS 1002 Information Systems in Context, replaced by INFS 1016 Digital Transformation and Design Thinking

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

INFO 3001 Computer Security

COMM 1026 Principles of Professional Communication 1

The subjects listed below count towards completion of this program for students who passed these subjects in 2024 or earlier.

INFS 1006 Systems Analysis and Design

Full-time mid-year intake - Parramatta Campus

Course	Title	Credit Points
Year 1		
Spring session		
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
	Credit Points	40
Autumn session		
COMP 1005	Programming Fundamentals	10
COMM 1044	Professional Communication	10
INFS 1006	Systems Analysis and Design	
From Autumn 2025, Students are advised to select INFS 2013 Systems Analysis and Design. Please contact the subject coordinator regarding the prerequisite requirements.		
INFS 2013	Systems Analysis and Design	10
Select one elective		10
	Credit Points	40
Year 2		
Spring session		
INFO 3019	Project Management	10
INFS 3012	Information Systems Deployment and Management	10
Select two electives		20
	Credit Points	40
Autumn session		
COMP 2020	Technologies for Web Applications	10
INFO 3003	Human-Computer Interaction	10
Select two electives		20
	Credit Points	40
Year 3		
Spring session		
INFO 3019	Social Computing	10
COMP 3013	Mobile Applications Development	10
Select two electives		20
	Credit Points	40
Autumn session		
COMP 3018	Professional Experience	10
COMP 2027	Cyber Security	10
INFS 3006	Emerging Trends in Information Systems	10
Select one elective		10
	Credit Points	40
	Total Credit Points	240

Equivalent Subjects

The equivalent subjects listed below counts toward completion of this program for students who passed these subjects in 2024 or earlier.

- INFO 3011 Social Computing, replaced by INFS 3027 Social Computing and Systems Thinking

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

INFO 3008 Professional Development replaced by INFO 3019 Project Management

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2025 or earlier.

- INFS 1002 Information Systems in Context, replaced by INFS 1016 Digital Transformation and Design Thinking

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

INFO 3001 Computer Security

COMM 1026 Principles of Professional Communication 1

The subjects listed below count towards completion of this program for students who passed these subjects in 2024 or earlier.

INFS 1006 Systems Analysis and Design

Full-time - Accelerated Pathway

Start-year 2.5 year accelerated pathway with summer sessions

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 1005	Programming Fundamentals	10
COMM 1044	Professional Communication	10
INFS 1006	Systems Analysis and Design	
From Autumn 2025, Students are advised to select INFS 2013 Systems Analysis and Design. Please contact the subject coordinator regarding the prerequisite requirements.		
INFS 2013	Systems Analysis and Design	10
Select one elective		10
Credit Points		40
Spring session		
COMP 2004	Computer Networking	10
INFS 1002	Information Systems in Context	10
Select two electives		20
Credit Points		40
Summer A session		
INFO 3003	Human-Computer Interaction	10
INFS 2001	Database Design and Development	10
Summer Subject information ¹		
Credit Points		20
Year 2		
Autumn session		
COMP 2020	Technologies for Web Applications	10
MATH 1030	Statistics for Business	10
Select two electives		20
Credit Points		40
Spring session		
INFO 3019	Project Management	10
INFS 3012	Information Systems Deployment and Management	10
COMP 3013	Mobile Applications Development	10
Credit Points		20
Year 3		
Autumn session		
INFS 3006	Emerging Trends in Information Systems	10
COMP 3018	Professional Experience	10
Select two electives		20
Credit Points		40
Total Credit Points		240
Equivalent Subjects		
The equivalent subjects listed below counts toward completion of this program for students who passed these subjects in 2024 or earlier.		
<ul style="list-style-type: none"> • INFO 3011 Social Computing, replaced by INFS 3027 Social Computing and Systems Thinking 		
The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.		
INFO 3008 Professional Development replaced by INFO 3019 Project Management		
Replaced Subjects		
The subjects listed below count towards completion of this program for students who passed these subjects in 2025 or earlier.		
<ul style="list-style-type: none"> • INFS 1002 Information Systems in Context, replaced by INFS 1016 Digital Transformation and Design Thinking 		
The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.		
INFO 3001 Computer Security		
COMM 1026 Principles of Professional Communication 1		
The subjects listed below count towards completion of this program for students who passed these subjects in 2024 or earlier.		
INFS 1006 Systems Analysis and Design		
¹ Summer Subject information (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
Year 1		
Summer A session		
MATH 1030	Statistics for Business	10
INFS 2001	Database Design and Development	10
Summer Subject information ¹		
Credit Points		20
Year 2		
Autumn session		
COMP 2020	Technologies for Web Applications	10
MATH 1030	Statistics for Business	10
Select two electives		20
Credit Points		40
Spring session		
INFO 3019	Project Management	10
INFS 3012	Information Systems Deployment and Management	10
COMP 3013	Mobile Applications Development	10
Credit Points		20
Year 3		
Autumn session		
MATH 1030	Statistics for Business	10
INFS 2001	Database Design and Development	10
Summer Subject information ¹		
Credit Points		20
Autumn session		
COMP 1005	Programming Fundamentals	10
COMM 1044	Professional Communication	10

INFS 1002	Information Systems in Context	10	The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.
INFS 1006	Systems Analysis and Design		
From Autumn 2025, Students are advised to select INFS 2013 Systems Analysis and Design. Please contact the subject coordinator regarding the prerequisite requirements.			
INFS 2013	Systems Analysis and Design	10	
	Credit Points	40	
Spring session			
COMP 2004	Computer Networking	10	INFS 1006 Systems Analysis and Design
INFS 3012	Information Systems Deployment and Management	10	¹ Summer Subject information (https://www.westernsydney.edu.au/currentstudents/current_students/enrolment/uws_summer/)
Select two electives		20	
	Credit Points	40	
Year 2			
Summer A session			
INFO 3003	Human-Computer Interaction	10	Suggested Majors and Minors
Select one elective		10	Majors
Summer Subject information ¹			Parramatta Campus
	Credit Points	20	Big Data, Major (0144) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/big-data-major/)
Autumn session			Business Analytics, Testamur Major (T130) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/business-analytics-ug-testamur-major/)
COMP 2020	Technologies for Web Applications	10	Entertainment Computing, Major (0145) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/entertainment-computing-major/)
Select three electives		30	Health Informatics, Testamur Major (T007) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/health-informatics-pg-testamur-major/)
	Credit Points	40	Mathematics, Major (0059) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/mathematics-major/)
Spring session			Networking, Major (0040) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-major/)
INFO 3019	Project Management	10	User Experience, Major (0273) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/user-experience-major/)
COMP 3013	Mobile Applications Development	10	From Autumn 2025, T159 Network Management (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/network-management-testamur-major/) replaces 0040 Networking
INFO 3011	Social Computing	10	
Select one elective		10	Penrith Campus
	Credit Points	40	Technology Entrepreneurship, Major (0261) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/technology-entrepreneurship-major/)
Year 3			
Summer A session			
COMP 2027	Cyber Security	10	Sydney City Campus
Select one elective		10	Big Data, Major (0144) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/big-data-major/)
Summer Subject information ¹			Networking, Major (0040) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-major/)
	Credit Points	20	From Autumn 2025, T159 Network Management (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/network-management-testamur-major/) replaces 0040 Networking
Autumn session			
COMP 3018	Professional Experience	10	Minors
INFS 3006	Emerging Trends in Information Systems	10	Parramatta Campus
	Credit Points	20	Cloud Computing, Minor (0128) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cloud-computing-minor/)
	Total Credit Points	240	Entertainment Computing, Minor (0145) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/entertainment-computing-minor/)

Equivalent Subjects

The equivalent subjects listed below counts toward completion of this program for students who passed these subjects in 2024 or earlier.

- INFO 3011 Social Computing, replaced by INFS 3027 Social Computing and Systems Thinking

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

INFO 3008 Professional Development replaced by INFO 3019 Project Management

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2025 or earlier.

- INFS 1002 Information Systems in Context, replaced by INFS 1016 Digital Transformation and Design Thinking

Health Informatics, Minor (0037) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/health-informatics-minor/>)

Mathematics, Minor (0059) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/mathematics-minor/>)

Mobile Computing, Minor (0146) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/mobile-computing-minor/>)

Networking, Minor (0040) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-minor/>)

Social Media Analytics, Minor (0147) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/social-media-analytics-minor/>)

Systems Administration, Minor (0149) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/systems-administration-minor/>)

Systems Security, Minor (0150) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/systems-security-minor/>)

Web Application Development (for Computing Students), Minor (0151) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/web-application-development-for-computing-students-minor/>)

Major and Minor elective spaces

Elective subjects may be used toward obtaining an additional approved major (80 credit points) or minor (40 credit points). Western Sydney University offers majors and 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 Major (<https://hbook.westernsydney.edu.au/majors-minors/indigenous-australian-studies-major/>)

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

Western Sydney University also offers the following innovative transdisciplinary Challenge Minors (https://www.westernsydney.edu.au/educational_partnerships_and_quality/home/challenge_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/>)

Creative and Visual Communication (<https://hbook.westernsydney.edu.au/majors-minors/creative-visual-communication-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/>)

Creative Living for Cultural Wellbeing (<https://hbook.westernsydney.edu.au/majors-minors/creative-living-cultural-wellbeing-minor-/>)

Ideate. Strategise. Innovate. (<https://hbook.westernsydney.edu.au/majors-minors/ideate-strategise-innovate-minor/>)

Humanising Data (<https://hbook.westernsydney.edu.au/majors-minors/humanising-data-minor/>)

For more information, visit the Challenge Minor (https://www.westernsydney.edu.au/educational_partnerships_and_quality/home/challenge_minors/) website.

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

Students can apply for an elective major or minor via Western Now.

WesternNow (<https://www.westernsydney.edu.au/westernnow/>)

Recommended Sequence 2022 - 2023

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/archives/2024-2025/programs/bachelor-information-systems-bachelor-business/>)

Bachelor of Information Systems/Bachelor of Laws (<https://hbook.westernsydney.edu.au/archives/2024-2025/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).

Full-time start-year intake - Parramatta Campus

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 1005	Programming Fundamentals	10
COMM 1026	Principles of Professional Communication	10
INFS 1002	Information Systems in Context	10
INFS 1006	Systems Analysis and Design	
From Autumn 2025, Students are advised to select INFS 2013 Systems Analysis and Design. Please contact the subject coordinator regarding the prerequisite requirements.		
INFS 2013	Systems Analysis and Design	10
Credit Points		40
Spring session		
COMP 2004	Computer Networking	10
INFS 2001	Database Design and Development	10
MATH 1030	Statistics for Business	10
Select one elective		10
Credit Points		40

Year 2				
Autumn session				
COMP 2020	Technologies for Web Applications	10	INFS 1002	Information Systems in Context
INFO 3003	Human-Computer Interaction	10	MATH 1030	Statistics for Business
Select two electives		20		Credit Points
				40
Credit Points		40	Autumn session	
Spring session			COMP 1005	Programming Fundamentals
INFO 3001	Computer Security	10	COMM 1026	Principles of Professional Communication
INFS 3012	Information Systems Deployment and Management	10	1	
COMP 3013	Mobile Applications Development	10	INFS 1006	Systems Analysis and Design
Select one elective		10	From Autumn 2025, Students are advised to select INFS 2013 Systems Analysis and Design. Please contact the subject coordinator regarding the prerequisite requirements.	
			INFS 2013	Systems Analysis and Design
			Select one elective	10
				Credit Points
Credit Points		40	Year 2	
Year 3			Spring session	
Autumn session			INFO 3001	Computer Security
INFO 3008	Professional Development	10	INFS 3012	Information Systems Deployment and Management
INFS 3006	Emerging Trends in Information Systems	10	Select two electives	20
Select two electives		20		Credit Points
				40
Credit Points		40	Autumn session	
Spring session			COMP 2020	Technologies for Web Applications
COMP 3018	Professional Experience	10	INFO 3003	Human-Computer Interaction
INFO 3011	Social Computing	10	Select two electives	20
Select two electives		20		Credit Points
				40
Credit Points		40	Year 3	
Total Credit Points		240	Spring session	
			INFO 3011	Social Computing
			COMP 3013	Mobile Applications Development
			Select two electives	20
				Credit Points
				40

Equivalent Subjects

The equivalent subjects listed below counts toward completion of this program for students who passed these subjects in 2024 or earlier.

- INFO 3011 Social Computing, replaced by INFS 3027 Social Computing and Systems Thinking

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

- INFO 3008 Professional Development replaced by INFO 3019 Project Management

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2025 or earlier.

- INFS 1002 Information Systems in Context, replaced by INFS 1016 Digital Transformation

The subjects listed below count towards completion of this program for students who passed these subjects in 2024 or earlier.

- INFS 1006 Systems Analysis and Design

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

- INFO 3001 Computer Security

Full-time mid-year intake - Parramatta Campus

Course	Title	Credit Points
Year 1		
Spring session		
COMP 2004	Computer Networking	10
INFS 2001	Database Design and Development	10

Equivalent Subjects

The equivalent subjects listed below counts toward completion of this program for students who passed these subjects in 2024 or earlier.

- INFO 3011 Social Computing, replaced by INFS 3027 Social Computing and Systems Thinking

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

- INFO 3008 Professional Development replaced by INFO 3019 Project Management

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2025 or earlier.

- INFS 1002 Information Systems in Context, replaced by INFS 1016 Digital Transformation

The subjects listed below count towards completion of this program for students who passed these subjects in 2024 or earlier.

- INFS 1006 Systems Analysis and Design

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

- INFO 3001 Computer Security

Full-time - Accelerated Pathway

Start-year 2.5 year accelerated pathway with summer sessions

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 1005	Programming Fundamentals	10
COMM 1026	Principles of Professional Communication	10
1		
INFS 1006	Systems Analysis and Design	
From Autumn 2025, Students are advised to select INFS 2013 Systems Analysis and Design. Please contact the subject coordinator regarding the prerequisite requirements.		
INFS 2013	Systems Analysis and Design	10
Select one elective		10
Credit Points		40
Spring session		
COMP 2004	Computer Networking	10
INFS 1002	Information Systems in Context	10
Select two electives		20
Credit Points		40
Summer A session		
INFO 3003	Human-Computer Interaction	10
INFS 2001	Database Design and Development	10
Summer Subject information ¹		
Credit Points		20
Year 2		
Autumn session		
COMP 2020	Technologies for Web Applications	10
MATH 1030	Statistics for Business	10
Select two electives		20
Credit Points		40
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
Credit Points		40
Summer A session		
INFO 3008	Professional Development	10
Select one elective		10
Summer Subject information ¹		
Credit Points		20
Year 3		
Autumn session		
INFS 3006	Emerging Trends in Information Systems	10
COMP 3018	Professional Experience	10

Select two electives	20
Credit Points	40
Total Credit Points	240

Equivalent Subjects

The equivalent subjects listed below counts toward completion of this program for students who passed these subjects in 2024 or earlier.

- INFO 3011 Social Computing, replaced by INFS 3027 Social Computing and Systems Thinking

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

- INFO 3008 Professional Development replaced by INFO 3019 Project Management

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2025 or earlier.

- INFS 1002 Information Systems in Context, replaced by INFS 1016 Digital Transformation

The subjects listed below count towards completion of this program for students who passed these subjects in 2024 or earlier.

- INFS 1006 Systems Analysis and Design

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

- INFO 3001 Computer Security

¹ Summer Subject information (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
Year 1		
Summer A session		
MATH 1030	Statistics for Business	10
INFS 2001	Database Design and Development	10
Summer Subject information ¹		
	Credit Points	20
Autumn session		
COMP 1005	Programming Fundamentals	10
COMM 1026	Principles of Professional Communication	10
1		
INFS 1002	Information Systems in Context	10
INFS 1006	Systems Analysis and Design	
From Autumn 2025, Students are advised to select INFS 2013 Systems Analysis and Design. Please contact the subject coordinator regarding the prerequisite requirements.		
INFS 2013	Systems Analysis and Design	10
	Credit Points	40
Spring session		
COMP 2004	Computer Networking	10
INFS 3012	Information Systems Deployment and Management	10

Select two electives	20
Credit Points	40
Year 2	
Summer A session	
INFO 3003 Human-Computer Interaction	10
Select one elective	10
Summer Subject information ¹	
Credit Points	20
Autumn session	
COMP 2020 Technologies for Web Applications	10
Select three electives	30
Credit Points	40
Spring session	
INFO 3001 Computer Security	10
COMP 3013 Mobile Applications Development	10
INFO 3011 Social Computing	10
Select one elective	10
Credit Points	40
Year 3	
Summer A session	
INFO 3008 Professional Development	10
Select one elective	10
Summer Subject information ¹	
Credit Points	20
Autumn session	
COMP 3018 Professional Experience	10
INFS 3006 Emerging Trends in Information Systems	10
Credit Points	20
Total Credit Points	240

Equivalent Subjects

The equivalent subjects listed below counts toward completion of this program for students who passed these subjects in 2024 or earlier.

- INFO 3011 Social Computing, replaced by INFS 3027 Social Computing and Systems Thinking

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

- INFO 3008 Professional Development replaced by INFO 3019 Project Management

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2025 or earlier.

- INFS 1002 Information Systems in Context, replaced by INFS 1016 Digital Transformation

The subjects listed below count towards completion of this program for students who passed these subjects in 2024 or earlier.

- INFS 1006 Systems Analysis and Design

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

- INFO 3001 Computer Security

¹ Summer Subject information (https://www.westernsydney.edu.au/currentstudents/current_students/enrolment/uws_summer/)

Suggested Majors and Minors

Majors

Parramatta Campus Majors 2022

- Big Data, Major (0144) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/big-data-major/>)
- Business Analytics, Testamur Major (T130) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/business-analytics-ug-testamur-major/>)
- Entertainment Computing, Major (0145) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/entertainment-computing-major/>)
- Health Informatics, Major (0037) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/health-informatics-major/>)
- Mathematics, Major (0059) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/mathematics-major/>)
- Mobile Computing, Major (0146) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/mobile-computing-major/>)
- Networking, Major (0040) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-major/>)
- User Experience, Major (0273) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/user-experience-major/>)

Parramatta Campus Majors 2023

- Big Data, Major (0144) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/big-data-major/>)
- Business Analytics, Testamur Major (T130) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/business-analytics-ug-testamur-major/>)
- Entertainment Computing, Major (0145) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/entertainment-computing-major/>)
- Health Informatics, Testamur Major (T007) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/health-informatics-ug-testamur-major/>)
- Mathematics, Major (0059) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/mathematics-major/>)
- Networking, Major (0040) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-major/>)
- Technology Entrepreneurship, Major (0261) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/technology-entrepreneurship-major/>)
- User Experience, Major (0273) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/user-experience-major/>)

Penrith Campus Majors 2022-2023

- Technology Entrepreneurship, Major (0261) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/technology-entrepreneurship-major/>)

Sydney City Campus Majors 2022

- Big Data, Major (0144) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/big-data-major/>)
- Mobile Computing, Major (0146) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/mobile-computing-major/>)
- Networking, Major (0040) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-major/>)

Sydney City Campus Majors 2023

Big Data, Major (0144) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/big-data-major/>)

Networking, Major (0040) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-major/>)

Minors

Parramatta Campus

Cloud Computing, Minor (0128) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cloud-computing-minor/>)

Entertainment Computing, Minor (0145) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/entertainment-computing-minor/>)

Health Informatics, Minor (0037) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/health-informatics-minor/>)

Mathematics, Minor (0059) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/mathematics-minor/>)

Mobile Computing, Minor (0146) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/mobile-computing-minor/>)

Networking, Minor (0040) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-minor/>)

Social Media Analytics, Minor (0147) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/social-media-analytics-minor/>)

Systems Administration, Minor (0149) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/systems-administration-minor/>)

Systems Security, Minor (0150) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/systems-security-minor/>)

Web Application Development (for Computing Students), Minor (0151) (<https://hbook.westernsydney.edu.au/archives/2024-2025/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/>)

Sustainable Futures, Minor (<https://hbook.westernsydney.edu.au/majors-minors/sustainable-futures-minor/#structuretext>)

Western Sydney University also offers the following innovative transdisciplinary Challenge Minors (https://www.westernsydney.edu.au/educational_partnerships_and_quality/home/challenge_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/>)

Creative and Visual Communication (<https://hbook.westernsydney.edu.au/majors-minors/creative-visual-communication-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/>)

Creative Living for Cultural Wellbeing (<https://hbook.westernsydney.edu.au/majors-minors/creative-living-cultural-wellbeing-minor/>)

Ideate.Strategise.Innovate. (<https://hbook.westernsydney.edu.au/majors-minors/ideate-strategise-innovate-minor/>)

Humanising Data (<https://hbook.westernsydney.edu.au/majors-minors/humanising-data-minor/>)

For more information, visit the Challenge Minor (https://www.westernsydney.edu.au/educational_partnerships_and_quality/home/challenge_minors/) website.

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

Students can apply for an elective minor via Western Now.

WesternNow (<https://www.westernsydney.edu.au/westernnow/>)

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