

BACHELOR OF INFORMATION AND COMMUNICATIONS TECHNOLOGY (ADVANCED) (3684)

Approved Abbreviation: BICTAdv

Western Sydney University Program Code: 3684

AQF Level: 7

CRICOS Code: 077827J

Program Status: CURRENT

This program applies to students who commenced in 2022 or later

Please note: This program has been discontinued from Autumn 2026. No further intakes into this program will occur.

The Bachelor of Information and Communications Technology (Advanced) is a challenging program that includes advanced coursework, extension projects and basic research training which develops the knowledge and skill sets of capable students for the high end of ICT professions. A mentoring program links students with experienced academic staff and research groups within the University helping to highlight relevant new and emerging technology developments for use in student work. Students are engaged in a wide variety of application development, industry projects and work integrated learning. To complete the degree, students do a major to specialise in topics, such as, cyber security, cloud computing, multimedia computing. Students also have options to do a minor, such as Ubiquitous Computing, Data Science and Machine Learning. This is a rewarding degree providing graduates with an ever-expanding range of employment options.

Study Mode

Three years full-time.

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
Campbelltown Campus	Full Time	Internal	See above
Parramatta Campus - Victoria Road	Full Time	Internal	See above
Penrith Campus	Full Time	Internal	See above

Accreditation

The Bachelor of Information and Communications Technology (Advanced) 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.

Minimum ATAR of 90. Students must maintain a Grade Point Average (GPA) greater than 5.0 to continue their enrolment in this program.

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 \(<http://www.westernsydney.edu.au/international/>\)](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 Current

This sequence applies to students who commenced in Spring 2023.

If you commenced in Autumn 2023 please refer to the Autumn 2023 Sequence tab for details. If you commenced prior to 2023 please refer to the Sequence 2022 tab for details.

Qualification for this award requires the successful completion of 240 credit points.

Full-time start-year intake

Course	Title	Credit Points		
Year 1				
Autumn session				
COMP 1005	Programming Fundamentals	10	HUMN 1013	Contextualising Indigenous Australia (Day Mode)
INFO 1003	Professional Practice, Communication and Ethics	10	COMP 2021	Software Engineering Fundamentals
HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10	Select one of the following	10
Select one of the following		10	MATH 1038	Mathematics for Computing
MATH 1038	Mathematics for Computing		MATH 1006	Discrete Mathematics
MATH 1006	Discrete Mathematics			Credit Points
		40		40
Year 2				
Spring session				
COMP 3028	Software Construction		COMP 3028	Software Construction
INFO 3019	Project Management		INFO 3019	Project Management
COMP 2016	Programming Techniques (Advanced)	10	COMP 2016	Programming Techniques (Advanced)
Select one major subjects			Select one major subjects	10
				Credit Points
		40		40
Spring session			Autumn session	
COMP 2021	Software Engineering Fundamentals	10	COMP 2027	Cyber Security
COMP 2016	Programming Techniques (Advanced)	10	Select two major subjects	20
COMP 2005	Computer Networking (Advanced)	10	Select one elective	10
INFS 2002	Database Design and Development (Advanced)	10		Credit Points
		40		40
Year 2			Year 3	
Autumn session			Spring session	
COMP 2027	Cyber Security	10	COMP 3019	Professional Experience (Advanced)
Select two major subjects		20	Select two major subjects	20
Select one elective		10	Select one elective	10
		Credit Points		Credit Points
		40		40
Spring session			Autumn session	
COMP 3028	Software Construction	10	Select three major subjects	30
INFO 3019	Project Management	10	Select one elective	10
Select two major subjects		20		Credit Points
		40		40
		Credit Points		Total Credit Points
		40		230
Year 3				
Autumn session			Electives	
Select two major subjects		20	Please note: elective spaces can be used to complete a Minor.	
Select two electives		20	Major or minor subjects can be used in the elective spaces.	
		Credit Points		
		40		
Spring session			Majors	
COMP 3019	Professional Experience (Advanced)	10	Cyber Security and Ethical Hacking, Testamur Major (T145) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cyber-security-ethical-hacking-testamur-major/)	
Select two major subjects		20	Enterprise Systems and Architectures, Testamur Major (T151) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/enterprise-systems-architectures-ug-testamur-major/)	
Select one elective		10		
		Credit Points		
		40		
		Total Credit Points		
		240		

Full-time mid-year intake

Course	Title	Credit Points	URL
Year 1			health-informatics-pg-testamur-major/
Spring session			Multimedia Computing, Testamur Major (T147) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/multimedia-computing-testamur-major-t147/)
COMP 1005	Programming Fundamentals	10	Networking and Cloud Computing, Testamur Major (T146) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-cloud-computing-testamur-major-t146/)
COMP 2005	Computer Networking (Advanced)	10	

Electives

Please note: elective spaces can be used to complete a Minor.

Major or minor subjects can be used in the elective spaces.

Majors

Cyber Security and Ethical Hacking, Testamur Major (T145) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cyber-security-ethical-hacking-testamur-major/>)

Enterprise Systems and Architectures, Testamur Major (T151) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/enterprise-systems-architectures-ug-testamur-major/>)

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

Multimedia Computing, Testamur Major (T147) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/multimedia-computing-testamur-major-t147/>)

Networking and Cloud Computing, Testamur Major (T146) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-cloud-computing-testamur-major-t146/>)

Software Development, Testamur Major (T148) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/software-development-testamur-major-t148/>)

Minors

It is suggested that students in the Bachelor of Information and Communications Technology who wish to choose a minor should choose from the list of optional minors below.

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

Cyber Security and Ethical Hacking, Minor (0326) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cyber-security-ethical-hacking-minor/>)

Data Science and Machine Learning, Minor (0322) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/data-science-machine-learning-minor/>)

Games Development, Minor (0323) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/games-development/>)

Graphics and Visual Simulation, Minor (0324) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/graphics-visual-simulation-minor/>)

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

Multimedia Computing, Minor (0328) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/multimedia-computing-minor-0328/>)

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

Software Development, Minor (0329) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/software-development-minor-0329/>)

Ubiquitous Computing, Minor (0325) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/ubiquitous-computing/>)

Program Structure 2023

This structure applies to students who commenced in 2023 or later. If you commenced prior to 2023 please refer to the Structure 2022 tab for details.

Qualification for this award requires the successful completion of 240 credit points which include one major from the list below.

Majors

Cyber Security and Ethical Hacking, Testamur Major (T145) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cyber-security-ethical-hacking-testamur-major/>)

Enterprise Systems and Architectures, Testamur Major (T151) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/enterprise-systems-architectures-ug-testamur-major/>)

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

Multimedia Computing, Testamur Major (T147) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/multimedia-computing-testamur-major-t147/>)

Networking and Cloud Computing, Testamur Major (T146) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-cloud-computing-testamur-major-t146/>)

Software Development, Testamur Major (T148) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/software-development-testamur-major-t148/>)

Recommended Sequence Autumn 2023

This sequence applies to students who commenced in Autumn 2023 or later. If you commenced prior to 2023 please refer to the Sequence 2022 tab for details.

Qualification for this award requires the successful completion of 240 credit points

Full-time start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 1005	Programming Fundamentals	10
MATH 1038	Mathematics for Computing	10
INFO 1003	Professional Practice, Communication and Ethics	10
HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10
Credit Points		40
Spring session		
COMP 2021	Software Engineering Fundamentals	10
COMP 2016	Programming Techniques (Advanced)	10
COMP 2005	Computer Networking (Advanced)	10
INFS 2002	Database Design and Development (Advanced)	10
Credit Points		40
Year 2		
Autumn session		
COMP 2027	Cyber Security	10
Select two major subjects		20
Select one elective		10
Credit Points		40
Spring session		
COMP 3028	Software Construction	10
INFO 3019	Project Management	10
Select two major subjects		20
Credit Points		40
Year 3		
Autumn session		
Select two major subjects		20
Select two electives		20
Credit Points		40
Spring session		
COMP 3019	Professional Experience (Advanced)	10
Select two major subjects		20
Select one elective		10
Credit Points		40
Total Credit Points		240

Full-time mid-year intake

Course	Title	Credit Points	
Year 1			
Spring session			
COMP 2021	Software Engineering Fundamentals	10	Networking and Cloud Computing, Testamur Major (T146) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-cloud-computing-testamur-major-t146/)
COMP 1005	Programming Fundamentals	10	Software Development, Testamur Major (T148) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/software-development-testamur-major-t148/)
COMP 2005	Computer Networking (Advanced)	10	
INFS 2002	Database Design and Development (Advanced)	10	
	Credit Points	40	Minors
Autumn session			It is suggested that students in the Bachelor of Information and Communications Technology who wish to choose a minor should choose from the list of optional minors below.
MATH 1038	Mathematics for Computing	10	Cloud Computing, Minor (0128) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cloud-computing-minor/)
INFO 1003	Professional Practice, Communication and Ethics	10	Cyber Security and Ethical Hacking, Minor (0326) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cyber-security-ethical-hacking-minor/)
HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10	Data Science and Machine Learning, Minor (0322) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/data-science-machine-learning-minor/)
Select one elective		10	Games Development, Minor (0323) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/games-development/)
	Credit Points	40	Graphics and Visual Simulation, Minor (0324) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/graphics-visual-simulation-minor/)
Year 2			Health Informatics, Minor (0037) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/health-informatics-minor/)
Spring session			Multimedia Computing, Minor (0328) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/multimedia-computing-minor-0328/)
COMP 3028	Software Construction	10	Networking, Minor (0040) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-minor/)
INFO 3019	Project Management	10	Software Development, Minor (0329) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/software-development-minor-0329/)
COMP 2016	Programming Techniques (Advanced)	10	Ubiquitous Computing, Minor (0325) (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/ubiquitous-computing/)
Select one major subjects		10	
	Credit Points	40	
Autumn session			
COMP 2027	Cyber Security	10	
Select two major subjects		20	
Select one elective		10	
	Credit Points	40	
Year 3			
Spring session			
COMP 3019	Professional Experience (Advanced)	10	
Select two major subjects		20	
Select one elective		10	
	Credit Points	40	
Autumn session			
Select three major subjects		30	
Select one elective		10	
	Credit Points	40	
	Total Credit Points	240	

Electives

Please note: elective spaces can be used to complete a Minor.

Major or minor subjects can be used in the elective spaces.

Majors

Cyber Security and Ethical Hacking, Testamur Major (T145) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cyber-security-ethical-hacking-testamur-major/>)

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

Multimedia Computing, Testamur Major (T147) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/multimedia-computing-testamur-major-t147/>)

Networking and Cloud Computing, Testamur Major (T146) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/networking-cloud-computing-testamur-major-t146/>)

Software Development, Testamur Major (T148) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/software-development-testamur-major-t148/>)

Minors

It is suggested that students in the Bachelor of Information and Communications Technology who wish to choose a minor should choose from the list of optional minors below.

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

Cyber Security and Ethical Hacking, Minor (0326) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cyber-security-ethical-hacking-minor/>)

Data Science and Machine Learning, Minor (0322) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/data-science-machine-learning-minor/>)

Games Development, Minor (0323) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/games-development/>)

Graphics and Visual Simulation, Minor (0324) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/graphics-visual-simulation-minor/>)

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

Multimedia Computing, Minor (0328) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/multimedia-computing-minor-0328/>)

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

Software Development, Minor (0329) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/software-development-minor-0329/>)

Ubiquitous Computing, Minor (0325) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/ubiquitous-computing/>)

Program Structure 2022

If you commenced in 2023 or later please refer to the Structure 2023 tab for details.

Students within the Advanced degree are required to complete five Advanced subjects.

Compulsory Advanced Subjects

Subject	Title	Credit Points
COMP 2016	Programming Techniques (Advanced)	10
INFS 3018	Web Systems Development (Advanced)	10
COMP 3019	Professional Experience (Advanced)	10
INFS 1015	Systems Analysis and Design (Advanced)	10
INFO 3004	Human-Computer Interaction (Advanced)	10
Select one of the following:		10
COMP 2005	Computer Networking (Advanced)	
INFS 2007	Object Oriented Analysis (Advanced)	
INFS 2002	Database Design and Development (Advanced)	

COMP 3016	Operating Systems Programming (Advanced)	30
Total Credit Points	60	40

Recommended Sequence 2022

If you commenced in 2023 or later please refer to the Sequence 2023 tab for details.

Qualification for this award requires the successful completion of 240 credit points which include the subjects listed in the recommended sequences below.

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 1005	Programming Fundamentals	10
COMM 1026	Principles of Professional Communication 1	10
MATH 1028	Statistical Decision Making	10
INFS 1015	Systems Analysis and Design (Advanced)	10
	Credit Points	40
Spring session		
COMP 2015	Programming Techniques	10
Select one of the following:		10
COMP 2004	Computer Networking	
COMP 2005	Computer Networking (Advanced)	
Select one of the following:		10
INFS 2001	Database Design and Development	
INFS 2002	Database Design and Development (Advanced)	
Select one elective		10
	Credit Points	40
Year 2		
Autumn session		
COMP 2020	Technologies for Web Applications	10
COMP 3007	Computer Networks and Internets	10
Select one of the following:		10
INFS 2006	Object Oriented Analysis	
INFS 2007	Object Oriented Analysis (Advanced)	
Select one elective		10
	Credit Points	40
Spring session		
COMP 3020	Social Web Analytics	10
INFS 3018	Web Systems Development (Advanced)	10
Select two electives		20
	Credit Points	40
Year 3		
Autumn session		
INFO 3008	Professional Development	10
INFO 3004	Human-Computer Interaction (Advanced)	
Select one of the following:		10
COMP 3015	Operating Systems Programming	
COMP 3016	Operating Systems Programming (Advanced)	
Select one elective		10
	Credit Points	30
Spring session		
COMP 3019	Professional Experience (Advanced)	10

Select three electives

Credit Points	40
Total Credit Points	230

Majors and Minors

All current majors and minors available to program 3639 Bachelor of Information and Communications Technology are also available to those enrolled in program 3684.2 - Bachelor of Information and Communications Technology (Advanced).

Please see list below

Majors

Cyber Security, Major (0066) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/cyber-security-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/>)

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

Minors

Astroinformatics, Minor (0096) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/astroinformatics-minor/>)

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/>)

IT Support, Minor (0205) (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/it-support-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 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).

Search for Minors (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology/>)

Students in Advanced programs may use elective subjects toward obtaining an additional approved minor in Applied Leadership or Critical Thinking.

Students may select their electives to be used toward obtaining an additional approved minor in Applied Leadership or Critical Thinking.

Applied Leadership, Minor

Critical Thinking, Minor (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/critical-thinking-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/>)

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 below.

M3102 Cyber Security, Major (<http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=M3102.1>), replaced by Cyber Security, Major in 2018 (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).