MASTER OF INFORMATION AND COMMUNICATIONS TECHNOLOGY (3699)

Approved Abbreviation: MICT
Western Sydney University Program Code: 3699
AQF Level: 9

CRICOS Code: 063546M

This program applies to students who commenced in 2018 or later.

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

For Commencement Year Spring 2017, please refer to: 3699.3 Master of Information and Communications Technology (http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3699.3)

For Commencement Year Autumn 2017, please refer to: 3699.2 Master of Information and Communications Technology (http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3699.2)

The Master of Information and Communications Technology (MICT) sets the foundation for students to advance their careers in ICT and/or continue further learning in this discipline. Students will be required to complete a work experience component in addition to a number of core and elective subjects. Students may also choose to complete a field of study out of the available fields for this program. This program is focused on getting students engaged in enquiry-based learning to acquire knowledge in established theories and recent state-of-the-art developments. Students are also expected to develop skills in problem solving and research practice and apply those skills in a professional and ethical framework to develop themselves as lifelong learners.

Early Exits

Students may exit this program on completion of 80 credit points with a 3701 Graduate Certificate in Information and Communications Technology (https://hbook.westernsydney.edu.au/archives/2022-2023/programs/graduate-certificate-information-communications-technology/) or on completion of 120 credit points with a 3700 Graduate Diploma in Information and Communications Technology (https://hbook.westernsydney.edu.au/archives/2022-2023/programs/graduate-diploma-information-communications-technology/)

Study Mode

Two years full-time or one and a half years full time depending upon entry qualifications (see Pathways listed under Program Structure below) or the equivalent part-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	See above
Parramatta Campus - Victoria Road	Part Time	Internal	See above
Sydney City Campus	Full Time	Internal	Mahsa Razavi (https://directory.westernsydney.edu search/profile/17892/)

Accreditation

The Master of Information and Communication Technology is accredited at Professional Level by the Australian Computer Society.

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 2018 - 2022

Minimum admission requirements to this program are: An undergraduate degree or Masters degree in any discipline.

Additional Information

This program has three Pathways (A, B and C) that vary in length and structure based on previous study and work experience.

Pathway A - Applicants must have successfully completed an undergraduate degree in any discipline.

Pathway B - Applicants must have successfully completed an Honours or Master degree in any discipline.

Pathway C - Applicants must have successfully completed an Australian Computer Society accredited (or equivalent) undergraduate degree in Information and Communication Technologies, Computing or Information Systems

Or

An undergraduate degree in any discipline AND a Graduate Certificate or Graduate Diploma in ICT.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Statement of Service form (https://www.westernsydney.edu.au/content/dam/digital/pdf/Statement_of_Service.PDF)

Admission 2023

Applicants must have successfully completed:

A undergraduate degree or higher in any discipline OR An undergraduate degree in any discipline AND a Graduate Certificate or Graduate Diploma in any discipline.

- Applicants who have successfully completed an Australian Computer Society accredited (or equivalent) Bachelor's degree in Information and Communication Technologies (ICT), Computing or Information Systems OR an Honours degree OR a Master degree in any discipline may be eligible for up to 40 credit points of Credit for Prior Learning subject to approval by the relevant Directors of Academic Programs (DAP).
- Applicants who have successfully completed an Australian (or equivalent) Graduate Certificate in ICT may be eligible for up to 40 credit points of Credit for Prior Learning subject to approval by the relevant Directors of Academic Programs (DAP).
- Applicants who have successfully completed an Australian (or equivalent) Graduate Diploma in ICT may be eligible for up to 80 credit points of Credit for Prior Learning subject to approval by the relevant Directors of Academic Programs (DAP).

Additional Information

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.

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.

Program Structure

Sydney City Campus

Click here for the recommended sequence at Sydney City Campus. (https://www.westernsydney.edu.au/city/courses/postgraduate/master_of_information_and_communications_technology/)

Parramatta Campus

The program length and structure varies based on the student's previous study background and level, and work experience.

Students are categorised into three Pathways based on their previous study background and work experience as indicated below and program structure and length is set accordingly. See individual links for detailed program structure.

Pathway A Core subjects

Subject	Title	Credit Points
INFO 7005	IT Project Management	10
INFO 7016	Postgraduate Project A	10
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
NATS 7057	Research Preparation in Post Graduate Studies	10
INFO 7003	Advanced Topics in User System Interaction	10
COMP 7015	Programming Proficiency	10
INFS 7007	Systems Analysis and Database Management Systems	10

Pathway A - students complete one of the listed Majors below.

And select four subjects from Foundation, Specialised or Multi-disciplinary subject lists in addition to those completed for a Major.

Additional Completion Requirements

Students must complete a four week full-time or part-time equivalent industry placement as a Work Integrated Learning (WIL) component and must enrol in the ICT Practicum subject to receive recognition for WIL.

Subject	Title	Credit Points
INFO 7004	ICT Practicum	0

Students must also complete one of the listed Majors below.

Artificial Intelligence, Testamur Major (T002) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/artificial-intelligence-pg-testamur-major/)

Cloud and Distributed Computing, Testamur Major (T121) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/cloud-distributed-computing-pg-testamur-major/)

Cybersecurity, Testamur Major (T003) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/cybersecurity-pg-testamur-major/)

Data Analytics, Testamur Major (T004) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/data-analytics-pg-testamur-major/)

Digital Futures, Testamur Major (T005) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/digital-futures-pg-testamur-major/)

Health Informatics, Testamur Major (T007) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/health-informatics-pg-testamur-major/)

Information Governance, Testamur Major (T122) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/information-governance-pg-testamur-major/)

Innovation and Entrepreneurship, Testamur Major (T008) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/innovation-entrepreneurship-pg-testamur-major/)

Management, Testamur Major (T043) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/management-ug-pg-testamur-major/)

Networking, Testamur Major (T009) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/networking-pg-testamur-major/)

Web and Mobile Computing, Testamur Major (T010) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/web-mobile-computing-pg-testamur-major/)

Pathway B Core subjects

Subject	Title	Credit Points
INFO 7005	IT Project Management	10
INFO 7016	Postgraduate Project A	10
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
NATS 7057	Research Preparation in Post Graduate Studies	10
INFO 7003	Advanced Topics in User System Interaction	10
COMP 7015	Programming Proficiency	10
INFS 7007	Systems Analysis and Database Management Systems	10

Pathway B - students complete one of the listed Majors below.

Subjects for the Majors are included in the Foundation, Specialised or Multi-disciplinary subject lists.

Additional Completion Requirements

Students must complete a four week full-time or part-time equivalent industry placement as a Work Integrated Learning (WIL) component and must enrol in the ICT Practicum subject to receive recognition for WIL.

Subject	Title	Credit Points
INFO 7004	ICT Practicum	0

Students must also complete one of the listed Majors below.

Artificial Intelligence, Testamur Major (T002) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/artificial-intelligence-pg-testamur-major/)

Cloud and Distributed Computing, Testamur Major (T121) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/cloud-distributed-computing-pg-testamur-major/)

Cybersecurity, Testamur Major (T003) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/cybersecurity-pg-testamur-major/)

Data Analytics, Testamur Major (T004) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/data-analytics-pg-testamur-major/)

Digital Futures, Testamur Major (T005) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/digital-futures-pg-testamur-major/)

Health Informatics, Testamur Major (T007) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/health-informatics-pg-testamur-major/)

Information Governance, Testamur Major (T122) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/information-governance-pg-testamur-major/)

Innovation and Entrepreneurship, Testamur Major (T008) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/innovation-entrepreneurship-pg-testamur-major/)

Management, Testamur Major (T043) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/management-ug-pg-testamur-major/)

Networking, Testamur Major (T009) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/networking-pg-testamur-major/)

Web and Mobile Computing, Testamur Major (T010) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/web-mobile-computing-pg-testamur-major/)

Pathway C Core subjects

Subject	Title	Credit Points
INFO 7005	IT Project Management	10
INFO 7016	Postgraduate Project A	10
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
NATS 7057	Research Preparation in Post Graduate Studies	10

Pathway C - students complete one of the listed Majors below.

And one subject from Foundation or Specialised subject lists in addition to those completed for a Major.

And two subjects from Foundation, Specialised or Multi-disciplinary subject lists in addition to those completed for a Major.

Additional Completion Requirements

Students must complete a four week full-time or part-time equivalent industry placement as a Work Integrated Learning (WIL) component and must enrol in the ICT Practicum subject to receive recognition for WIL.

Subject	Title	Credit Points
INFO 7004	ICT Practicum	0

Students must also complete one of the listed Majors below.

Artificial Intelligence, Testamur Major (T002) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/artificial-intelligence-pg-testamur-major/)

Cloud and Distributed Computing, Testamur Major (T121) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/cloud-distributed-computing-pg-testamur-major/)

Cybersecurity, Testamur Major (T003) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/cybersecurity-pg-testamur-major/)

Data Analytics, Testamur Major (T004) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/data-analytics-pg-testamur-major/)

Digital Futures, Testamur Major (T005) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/digital-futures-pg-testamur-major/)

Health Informatics, Testamur Major (T007) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/health-informatics-pg-testamur-major/)

Information Governance, Testamur Major (T122) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/information-governance-pg-testamur-major/)

Innovation and Entrepreneurship, Testamur Major (T008) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/innovation-entrepreneurship-pg-testamur-major/)

Management, Testamur Major (T043) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/management-ug-pg-testamur-major/)

Networking, Testamur Major (T009) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/networking-pg-testamur-major/)

Web and Mobile Computing, Testamur Major (T010) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/web-mobile-computing-pg-testamur-major/)

Foundation subjects

Note: Subjects in this list may be included in the program structure as Core Subjects and cannot be selected as one of the list subjects.

Subject	Title	Credit Points
INFO 7003	Advanced Topics in User System Interaction	10
INFS 7004	Content Management Systems and Web Analytics	10
INFO 7005	IT Project Management	10
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
COMP 7015	Programming Proficiency	10
INFS 7008	Systems and Network Security	10
NATS 7057	Research Preparation in Post Graduate Studies	10
INFS 7007	Systems Analysis and Database Management Systems	10
INFS 7009	Web Technologies	10

Specialised Subjects

Note: Subjects in this list may be included in the program structure as Core Subjects and cannot be selected as one of the list subjects .

Subject	Title	Credit Points
COMP 7018	Advanced Cloud Computing	10
PUBH 7001	Advanced Health Classifications and Coding	10
INFS 7001	Advanced Healthcare Data Environments	10
INFS 7002	Advanced Healthcare Software and Systems	10
INFO 7001	Advanced Machine Learning	10
INFO 7002	Advanced Topics in Artificial Intelligence	10
INFO 7014	Advanced Topics in Cybersecurity	10
INFS 7003	Advanced Topics in ICT	10
COMP 7002	Advanced Topics in Networking	10
INFO 7015	Applied Cybersecurity	10
COMP 7019	Applied Machine Learning	10
COMP 7020	Artificial Intelligence Ethics and Organisations	10
COMP 7003	Big Data	10
COMP 7004	Cloud Computing	10
INFO 7018	Cloud Systems Development	10
COMP 7006	Data Science	10
COMP 7007	Information Security Management	10
COMP 7008	Internet of Things	10
COMP 7021	Knowledge Representation and Reasoning	10
COMP 7009	Mobile Computing	10
COMP 7011	Multimedia Communication Systems	10
COMP 7022	Natural Language Understanding	10

COMP 7012	Network Management	10
COMP 7023	Predictive Analytics	10
COMP 7024	Programming for Data Science	10
MATH 7017	Probabilistic Graphical Models	10
COMP 7025	Social Media Intelligence	10
INFS 7006	Software Testing and Automation	10
MATH 1028	Statistical Decision Making	10
MATH 7016	The Nature of Data	10
COMP 7016	Visualisation	10
INFO 7013	Web Engineering	10
COMP 7017	Wireless Networking	10

Multi-disciplinary subjects

A maximum of four subjects are allowed from this list.

Subject	Title	Credit Points
BUSM 7018	Contemporary People Management	10
HUMN 7012	Cyber Justice (PG)	10
ECON 7001	Economics	10
BUSM 7028	Entrepreneurial Management Capabilities	10
ACCT 7015	Financial Reports for Decision Making	10
COMM 7003	Foundations of Media Arts Production (PG)	10
CULT 7004	Global Digital Futures	10
BUSM 7040	Governance, Ethics and Social Entrepreneurship	10
LAWS 7015	Information and Data Governance Law and Policy	10
BUSM 7048	Innovation, Creativity and Foresight	10
BUSM 7046	Innovation for New Markets	10
BUSM 7045	Innovation Through Digital Technology	10
MKTG 7019	Marketing Systems	10
COMM 7013	Ideate, Develop: Makerspace 1	10
COMM 7009	Mobile Media	10
BUSM 7072	New Venture Finance	10
COMM 7011	Researching Convergent Media	10
BUSM 7084	Start-up	10
BUSM 7086	Strategic Business Management	10
BUSM 7099	Understanding Contemporary Organisations	10

Equivalent Subjects

The subjects listed below count towards completion of the program for students who may have passed subjects in the list in 2020 or earlier.
BUSM 7094 - The Contemporary Business Environment
MECH 7004 - Advanced Mobile Robotics
MECH 7005 - Advanced Robotics
MECH 70008 - Genomic Data Science
INFO 7008 - Modern Software Architectures

The core subjects listed below count towards completion of this program for students who passed these subjects in 2020 or earlier.
ENGR 7018 - Research Preparation in Post Graduate Studies, replaced by NATS 7057 Research Preparation in Post Graduate Studies

COOM 7007 - Media Project Proposal, replaced by COMM 7013 Ideate, Develop: Makerspace 1
ENGR 7014 - Master Project 1

The subjects listed below count towards completion of this program for students who passed these subjects in 2021 or earlier.

MATH 7011 Predictive Analytics, replaced by COMP 7023 Predictive Analytics

Replaced Testamur Majors

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

ST3064 Artificial Intelligence, Testamur Major (http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=ST3064.1), replaced by Artificial Intelligence, Testamur Major in 2021 (listed above).
ST3054 Distributed Computing, Testamur Major (http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=ST3054.1), replaced by Cloud and Distributed Computing, Testamur Major in 2021 (listed above).
ST3055 Health Informatics, Testamur Major (http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=ST3055.1), replaced by Health Informatics, Testamur Major in 2021 (listed above).
ST3050 (http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=ST3055.1)Web and Mobile Computing (http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=ST3050.1), Testamur Major (http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=ST3055.1), replaced by Web and Mobile Computing, Testamur Major in 2021 (listed above).

Recommended Sequence

Students are categorised into three Pathways based on their previous study background and work experience as indicated below and program structure and length is set accordingly. See individual links for detailed program structure.

Additional Completion Requirements

Students must complete a four week full-time or part-time equivalent industry placement as a Work Integrated Learning (WIL) component and must enrol in the ICT Practicum subject to receive recognition for WIL.

Subject	Title	Credit Points
INFO 7004	ICT Practicum	0

Pathway A - Two Years

Students who have been admitted with non-Computing, non-ICT or non-Information Systems with Bachelor Qualifications are eligible to complete the two year Pathway below.

Qualification for this award requires the successful completion of 160 credit points including the subjects listed below plus 120 hours (full time or part-time equivalent) of work experience component.

Full-time start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 7015	Programming Proficiency	10
INFS 7007	Systems Analysis and Database Management Systems	10
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
	Credit Points	**40**
Spring session		
NATS 7057	Research Preparation in Post Graduate Studies	10
Select three subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		30
	Credit Points	**40**
Year 2		
Autumn session		
INFO 7003	Advanced Topics in User System Interaction	10
INFO 7016	Postgraduate Project A	10
Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
	Credit Points	**40**
Spring session		
INFO 7005	IT Project Management	10
Select three subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		30
	Credit Points	**40**
	Total Credit Points	**160**

Full-time mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
COMP 7015	Programming Proficiency	10
INFS 7007	Systems Analysis and Database Management Systems	10
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
	Credit Points	**40**
Autumn session		
NATS 7057	Research Preparation in Post Graduate Studies	10
INFO 7003	Advanced Topics in User System Interaction	10
Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
	Credit Points	**40**
Year 2		
Spring session		
INFO 7005	IT Project Management	10
INFO 7016	Postgraduate Project A	10
Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
	Credit Points	**40**
Autumn session		
Select four subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		40
	Credit Points	**40**
	Total Credit Points	**160**

Pathway B - One and a Half Years

Students who have been admitted with non-Computing, non-ICT or non-Information Systems with Bachelor Honours or Masters Qualifications are eligible to complete the one and a half year Pathway below.

Qualification for this award requires the successful completion of 120 credit points including the subjects listed below plus 120 hours (full time or part-time equivalent) of work experience component.

Full-time start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 7015	Programming Proficiency	10
INFS 7007	Systems Analysis and Database Management Systems	10
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
	Credit Points	**40**
Spring session		
NATS 7057	Research Preparation in Post Graduate Studies	10
INFO 7005	IT Project Management	10
Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
	Credit Points	**40**
Year 2		
Autumn session		
INFO 7003	Advanced Topics in User System Interaction	10
INFO 7016	Postgraduate Project A	10
Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
	Credit Points	**40**
	Total Credit Points	**120**

Full-time mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
COMP 7015	Programming Proficiency	10
INFS 7007	Systems Analysis and Database Management Systems	10
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
	Credit Points	**40**
Autumn session		
NATS 7057	Research Preparation in Post Graduate Studies	10
INFO 7003	Advanced Topics in User System Interaction	10
Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
	Credit Points	**40**
Year 2		
Spring session		
INFO 7005	IT Project Management	10
INFO 7016	Postgraduate Project A	10

Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
	Credit Points	**40**
	Total Credit Points	**120**

Pathway C - One and a Half Years

Students who have been admitted with Computing, ICT or Information Systems with Bachelor or Bachelor Honours or Masters Qualifications are eligible to complete the one a half year Pathway below.

Qualification for this award requires the successful completion of 120 credit points including the subjects listed below plus 120 hours (full time or part-time equivalent) of work experience component.

Full-time start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
	Credit Points	**40**
Spring session		
NATS 7057	Research Preparation in Post Graduate Studies	10
INFO 7005	IT Project Management	10
Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
	Credit Points	**40**
Year 2		
Autumn session		
INFO 7016	Postgraduate Project A	10
Select three subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		30
	Credit Points	**40**
	Total Credit Points	**120**

Full-time mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
	Credit Points	**40**
Autumn session		
NATS 7057	Research Preparation in Post Graduate Studies	10
Select three subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		30
	Credit Points	**40**
Year 2		
Spring session		
INFO 7005	IT Project Management	10
INFO 7016	Postgraduate Project A	10

Select two subjects from your Major or from the Foundation, Specialised or Multi-disciplinary subject lists.		20
Credit Points		**40**
Total Credit Points		**120**

Qualification for this award requires the successful completion of 160 credit points.

Students must complete one of the Testamur majors as part of their program completion requirements.

Artificial Intelligence, Testamur Major (T002) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/artificial-intelligence-pg-testamur-major/)

Cloud and Distributed Computing, Testamur Major (T121) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/cloud-distributed-computing-pg-testamur-major/)

Cybersecurity, Testamur Major (T003) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/cybersecurity-pg-testamur-major/)

Data Analytics, Testamur Major (T004) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/data-analytics-pg-testamur-major/)

Digital Futures, Testamur Major (T005) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/digital-futures-pg-testamur-major/)

Health Informatics, Testamur Major (T007) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/health-informatics-pg-testamur-major/)

Information Governance, Testamur Major (T122) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/information-governance-pg-testamur-major/)

Innovation and Entrepreneurship, Testamur Major (T008) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/innovation-entrepreneurship-pg-testamur-major/)

Management, Testamur Major (T043) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/management-ug-pg-testamur-major/)

Networking, Testamur Major (T009) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/networking-pg-testamur-major/)

Space Science, Testamur Major (T030) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/space-science-testamur-major/)

Web and Mobile Computing, Testamur Major (T010) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/web-mobile-computing-pg-testamur-major/)

Alternate Subjects

Subjects in this list may be included in the program structure as Core Subjects and cannot be selected as one of the list subjects

Subject	Title	Credit Points
COMP 7018	Advanced Cloud Computing	10
PUBH 7001	Advanced Health Classifications and Coding	10
INFS 7001	Advanced Healthcare Data Environments	10
INFS 7002	Advanced Healthcare Software and Systems	10
INFO 7001	Advanced Machine Learning	10
INFO 7002	Advanced Topics in Artificial Intelligence	10
INFO 7014	Advanced Topics in Cybersecurity	10
INFS 7003	Advanced Topics in ICT	10
COMP 7002	Advanced Topics in Networking	10

COMP 7019	Applied Machine Learning	10
COMP 7020	Artificial Intelligence Ethics and Organisations	10
COMP 7003	Big Data	10
COMP 7004	Cloud Computing	10
INFO 7018	Cloud Systems Development	10
INFS 7004	Content Management Systems and Web Analytics	10
COMP 7006	Data Science	10
COMP 7007	Information Security Management	10
COMP 7008	Internet of Things	10
COMP 7021	Knowledge Representation and Reasoning	10
COMP 7011	Multimedia Communication Systems	10
COMP 7022	Natural Language Understanding	10
COMP 7012	Network Management	10
COMP 7023	Predictive Analytics	10
COMP 7024	Programming for Data Science	10
MATH 7017	Probabilistic Graphical Models	10
COMP 7025	Social Media Intelligence	10
INFS 7006	Software Testing and Automation	10
INFS 7008	Systems and Network Security	10
MATH 7016	The Nature of Data	10
COMP 7016	Visualisation	10
INFO 7013	Web Engineering	10
INFS 7009	Web Technologies	10
COMP 7017	Wireless Networking	10
INFO 7017	Postgraduate Project B	10

Multi-disciplinary Subjects

A maximum of four subjects are allowed from this list.

Subject	Title	Credit Points
BUSM 7018	Contemporary People Management	10
HUMN 7012	Cyber Justice (PG)	10
ECON 7001	Economics	10
BUSM 7028	Entrepreneurial Management Capabilities	10
ACCT 7015	Financial Reports for Decision Making	10
COMM 7003	Foundations of Media Arts Production (PG)	10
CULT 7004	Global Digital Futures	10
BUSM 7040	Governance, Ethics and Social Entrepreneurship	10
COMM 7013	Ideate, Develop: Makerspace 1	10
LAWS 7015	Information and Data Governance Law and Policy	10
BUSM 7048	Innovation, Creativity and Foresight	10
BUSM 7046	Innovation for New Markets	10
BUSM 7045	Innovation Through Digital Technology	10
MKTG 7019	Marketing Systems	10
COMM 7009	Mobile Media	10
BUSM 7072	New Venture Finance	10
COMM 7011	Researching Convergent Media	10
BUSM 7084	Start-up	10
BUSM 7086	Strategic Business Management	10
BUSM 7099	Understanding Contemporary Organisations	10

Qualification for this award requires the successful completion of 160 credit points.

Full-time Start year Intake

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 7015	Programming Proficiency	10
INFS 7007	Systems Analysis and Database Management Systems	10
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
	Credit Points	**40**
Spring session		
INFO 7015	Applied Cybersecurity	10
INFO 6001	IT Project Management	10
Select two subjects from your Major, Alternate or Multi-disciplinary subject pools.		20
	Credit Points	**40**
Year 2		
Autumn session		
NATS 7057	Research Preparation in Post Graduate Studies	10
INFO 7003	Advanced Topics in User System Interaction	10
INFO 7016	Postgraduate Project A	10
Select one subject from your Major, Alternate or Multi-disciplinary subject pools.		10
	Credit Points	**40**
Spring session		
Select four subjects from your Major, Alternate or Multi-disciplinary subject pools		40
	Credit Points	**40**
	Total Credit Points	**160**

Full-time Mid-year Intake

Course	Title	Credit Points
Year 1		
Spring session		
COMP 7015	Programming Proficiency	10
INFS 7007	Systems Analysis and Database Management Systems	10
COMP 7013	Network Technologies	10
ENGR 7017	Professional Practice and Communication	10
	Credit Points	**40**
Autumn session		
INFO 7003	Advanced Topics in User System Interaction	10
NATS 7057	Research Preparation in Post Graduate Studies	10
Select two subjects from your Major, Alternate or Multi-disciplinary subject pools.		20
	Credit Points	**40**
Year 2		
Spring session		
INFO 7015	Applied Cybersecurity	10
INFO 6001	IT Project Management	10
INFO 7016	Postgraduate Project A	10
Select one subject from your Major, Alternate or Multi-disciplinary subject pools.		10
	Credit Points	**40**
Autumn session		
COMP 7003	Big Data	10
INFO 7016	Postgraduate Project A	10
Select two subjects from your Major, Alternate or Multi-disciplinary subject pools.		20
	Credit Points	**40**
	Total Credit Points	**160**

Additional Completion Requirements

Students must complete at least 120 hours full-time or part-time equivalent industry placement as a Work Integrated Learning (WIL) component and must enrol in the INFO 7004 ICT Practicum (https://hbook.westernsydney.edu.au/archives/2022-2023/subject-details/infs7004/) subject to receive recognition for WIL.

Majors

Students must also complete one of the listed Majors below.

Artificial Intelligence, Testamur Major (T002) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/artificial-intelligence-pg-testamur-major/)

Cloud and Distributed Computing, Testamur Major (T121) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/cloud-distributed-computing-pg-testamur-major/)

Cybersecurity, Testamur Major (T003) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/cybersecurity-pg-testamur-major/)

Data Analytics, Testamur Major (T004) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/data-analytics-pg-testamur-major/)

Digital Futures, Testamur Major (T005) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/digital-futures-pg-testamur-major/)

Health Informatics, Testamur Major (T007) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/health-informatics-pg-testamur-major/)

Information Governance, Testamur Major (T122) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/information-governance-pg-testamur-major/)

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INFS 7003	Advanced Topics in ICT	10
COMP 7002	Advanced Topics in Networking	10
COMP 7019	Applied Machine Learning	10
COMP 7020	Artificial Intelligence Ethics and Organisations	10
COMP 7003	Big Data	10
COMP 7004	Cloud Computing	10
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INFS 7004	Content Management Systems and Web Analytics	10
COMP 7006	Data Science	10
COMP 7007	Information Security Management	10
COMP 7008	Internet of Things	10
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COMP 7011	Multimedia Communication Systems	10
COMP 7022	Natural Language Understanding	10
COMP 7012	Network Management	10
COMP 7023	Predictive Analytics	10
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COMP 7025	Social Media Intelligence	10
INFS 7006	Software Testing and Automation	10
INFS 7008	Systems and Network Security	10
MATH 7016	The Nature of Data	10
COMP 7016	Visualisation	10
INFO 7013	Web Engineering	10
INFS 7009	Web Technologies	10
COMP 7017	Wireless Networking	10
INFO 7017	Postgraduate Project B	10

Subject	Title	Credit Points
COMM 7009	Mobile Media	10
BUSM 7072	New Venture Finance	10
COMM 7011	Researching Convergent Media	10
BUSM 7084	Start-up	10
BUSM 7086	Strategic Business Management	10
BUSM 7099	Understanding Contemporary Organisations	10

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