

BACHELOR OF INFORMATION AND COMMUNICATIONS TECHNOLOGY/BACHELOR OF BUSINESS (3737)

Approved Abbreviation: BICT/BBus

Western Sydney University Program Code: 3737

AQF Level: 7

CRICOS Code: 089213G

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 2016, please refer to: 3737.1 Bachelor of Information and Communications Technology/Bachelor of Business (<http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3737.1>)

This double degree targets the wide application of information technology in Business. It provides students with a strong technical background in IT and Business. It allows students to develop skills in application development, program design, systems analysis and design, networks, web development, and the implementation of technology. This degree combines information technology with a Business Majors in either Applied Finance, Economics, Human Resource Management, International Business, Management, Marketing, Sport Management or Business Analytics.

Students may be required to travel between campuses for some learning experiences.

Study Mode

Four 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
Bankstown City Campus	Full Time	Internal	See above
Campbelltown Campus	Full Time	Internal	See above
Parramatta Campus - Victoria Road	Full Time	Internal	See above

Accreditation

The business component of this program is accredited by the Association to Advance Collegiate Schools of Business (AACSB). The following Business Majors are accredited:

- Major T041 Human Resource Management is accredited with the Australian Human Resources Institute (AHRI).
- Major T038 Applied Finance satisfies the educational requirements for membership of the Financial Services Institute of Australasia (Finsia).
- Major T044 Marketing satisfies the requirements of accreditation of Marketing subjects in accordance with the Australian Marketing Institute's Accreditation and Endorsement Program. On completion of an AMI Accredited program graduates are eligible for special graduate membership rates and credit towards becoming a Certified Practising Marketer (CPM) in a shorter duration of time. Specifically, graduates are eligible to apply for a reduction off the minimum five (5) years industry experience required before becoming a CPM.

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 an optional work component available in this program. Please contact the Program Advisor listed above for information.

International students should be aware that if an elective is a requirement of the program but the work itself was not registered with CRICOS, students can still complete these electives but it would be counted towards the work limitation. For more details, refer to the 'Work Integrated Learning (WIL) for international students' website.

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.

Program Structure 2022

Students who complete this award will graduate with a Bachelor of Information and Communications Technology and a Bachelor of Business, with the major from the Bachelor of Business component of the program noted on their testamur.

Bachelor of Information and Communications Technology Component

Students must complete 160 credit points of prescribed Bachelor of Information and Communications Technology subjects.

Business Component

Core Subjects (compulsory 40 credit points)

Subject	Title	Credit Points
LAWS 1001	Enterprise Law	10
BUSM 1010	Financing Enterprises	10
BUSM 1006	Enterprise Innovation and Markets	10
BUSM 1008	Enterprise Leadership	10
Total Credit Points		40

Professional Subjects (choose 40 credit points)

The professional subjects provide a focus on careers. Students are required to complete one subject from each of the four key focus areas: numeracy, career planning, innovation, and enterprise engagement, a total of 40 credit points. Students are advised to choose subjects that will support careers in one of three areas:

- Money (for majors in Applied Finance, Economics)
- Markets (for majors in Hospitality Management, International Business, Marketing, and Sport Management)
- Management (for majors in Human Resource Management, and Management)

The professional subjects that are recommended for each of the Bachelor of Business testamur majors are specified in the majors.

Bachelor of Business Majors

Choose 80 credit points from one primary Business major. These are testamur majors.

Majors for Careers in Money

Applied Finance, Testamur Major (T038) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/applied-finance-ug-testamur-major/>)

Economics, Testamur Major (T039) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/economics-ug-testamur-major/>)

Majors for Careers in Markets

Human Resource Management, Testamur Major (T041) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/human-resource-management-ug-testamur-major/>)

International Business, Testamur Major (T042) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/international-business-ug-testamur-major/>)

Marketing, Testamur Major (T044) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/marketing-ug-testamur-major/>)

Majors for Careers in Management

Human Resource Management, Testamur Major (T041) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/human-resource-management-ug-testamur-major/>)

Management, Testamur Major (T043) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/management-ug-pg-testamur-major/>)

Major for Careers in Business Analytics

Business Analytics, Testamur Major (T130) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/business-analytics-ug-testamur-major/>)

Replaced Majors

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

MT2035 Hospitality Management, Testamur Major (<http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=MT2035.1>), discontinued in 2020.

MT2027 Marketing, Testamur Major (<http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=M1054.1>), replaced by Marketing, Testamur Major in 2021 (listed above).

Recommended Sequence 2022

Qualification for this award requires the successful completion of 320 credit points as per the recommended sequence below.

Use the links to each Bachelor of Business (BBus) Major to see the core, professional and major subjects required.

Note: students should follow the recommended sequence below and not the recommended sequence listed under each Bachelor of Business Major.

This progression pattern is highly recommended. Students progress through both degrees at the same pace, completing two subjects in each degree in each semester. Graduation after three years with either degree will be possible only if a student makes this decision at or before the end of Year 2 and amends their progression pattern as prescribed by an Academic Program Advisor.

Course	Title	Credit Points
Year 1		
Autumn session		
INFS 1006	Systems Analysis and Design	10
COMP 1005	Programming Fundamentals	10
BBus core subject 1		10
BBus core subject 2		10
Credit Points		40

Spring session			COMP 3023	Systems and Network Management	10
INFS 2001	Database Design and Development	10	COMP 3024	Video Games Development	10
COMP 2015	Programming Techniques	10			
BBus core subject 3		10			
BBus core subject 4		10			

Program Structure 2023

Students who complete this award will graduate with a Bachelor of Information and Communications Technology and a Bachelor of Business, with the major from the Bachelor of Business component of the program noted on their testamur.

Year 2

Autumn session

INFS 2006	Object Oriented Analysis	10	Bachelor of Information and Communications Technology Component
COMP 2020	Technologies for Web Applications	10	
BBus professional subject 1		10	
BBus major subject 1		10	

Credit Points **40**

Spring session

INFS 3017	Web Systems Development	10	Business Component
COMP 2004	Computer Networking	10	Core subjects (compulsory 40 credit points)
BBus professional subject 2		10	
BBus major subject 2		10	

Credit Points **40**

Year 3

Autumn session

COMP 3007	Computer Networks and Internets	10	Subject	Title	Credit Points
INFO 3003	Human-Computer Interaction	10	LAWS 1001	Enterprise Law	10
BBus major subject 3		10	BUSM 1010	Financing Enterprises	10
BBus major subject 4		10	BUSM 1006	Enterprise Innovation and Markets	10
			BUSM 1008	Enterprise Leadership	10

Credit Points **40**

Spring session

COMP 3020	Social Web Analytics	10	Professional subjects (choose 40 credit points)
BICT pool subject		10	
BBus major subject 5		10	
BBus major subject 6		10	

Credit Points **40**

Year 4

Autumn session

INFO 3008	Professional Development	10	<ul style="list-style-type: none"> • Money (for majors in Applied Finance, Economics) • Markets (for majors in International Business, Marketing, and Sport Management) • Management (for majors in Human Resource Management, and Management) • Business Analytics (for major in Business Analytics).
COMP 3015	Operating Systems Programming	10	
BBus professional subject 3		10	
BBus major subject 7		10	

Credit Points **40**

Spring session

COMP 3018	Professional Experience	10	The professional subjects that are recommended for each of the Bachelor of Business testamur majors are specified in the majors.
BICT pool subject		10	
BBus professional subject 4		10	
BBus major subject 8		10	

Credit Points **40**

Total Credit Points **320**

BICT Pool Subjects

Subject	Title	Credit Points	
PHYS 3001	Astroinformatics	10	Economics, Testamur Major (T039) (https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/economics-ug-testamur-major/)
INFS 3005	Developing Web Applications with XML	10	Majors for Careers in Markets
INFO 3002	Ethical Hacking Principles and Practice	10	International Business, Testamur Major (T042) (https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/international-business-ug-testamur-major/)
COMP 3013	Mobile Applications Development	10	
INFO 3007	Network Security	10	
COMP 3019	Professional Experience (Advanced)	10	

Marketing, Testamur Major (T044) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/marketing-ug-testamur-major/>)
 Sport Management, Testamur Major (T045) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/sport-management-ug-testamur-major/>)

Majors for Careers in Management

Human Resource Management, Testamur Major (T041) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/human-resource-management-ug-testamur-major/>)
 Management, Testamur Major (T043) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/management-ug-pg-testamur-major/>)

Majors for Careers in Business Analytics

Business Analytics, Testamur Major (T130) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/business-analytics-ug-testamur-major/>)

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 320 credit points as per the recommended sequence below. 320 credit points which include:

- 160 credit points of prescribed Bachelor of Information and Communications Technology subjects
- 160 credit points of prescribed Bachelor of Business subjects

Use the links to each Bachelor of Business (BBus) Major to see the core, professional and major subjects required.

Note: Students should follow the recommended sequence below and not the recommended sequence listed under each Bachelor of Business Major.

This progression pattern is highly recommended. Students progress through both degrees at the same pace, completing two subjects in each degree in each semester. Graduation after three years with either degree will be possible only if a student makes this decision at or before the end of Year 2 and amends their progression pattern as prescribed by an Academic Course Advisor.

Course	Title	Credit Points
Year 1		
Autumn session		
COMP 1005	Programming Fundamentals	10
MATH 1038	Mathematics for Computing	10
BBus core subject 1		10
BBus core subject 2		10
Credit Points		40
Spring session		
COMP 2004	Computer Networking	10
INFS 2001	Database Design and Development	10
BBus core subject 3		10
BBus core subject 4		10
Credit Points		40

Year 2

Autumn session

INFO 1003	Professional Practice, Communication and Ethics	10
HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10
BBus professional subject 1		10
BBus major subject 1		10
Credit Points		40

Spring session

COMP 2021	Software Engineering Fundamentals	10
COMP 2015	Programming Techniques	10
BBus professional subject 2		10
BBus major subject 2		10
Credit Points		40

Year 3

Autumn session

COMP 2027	Cyber Security	10
BICT minor subject		10
BBus major subject 3		10
BBus major subject 4		10
Credit Points		40

Spring session

COMP 3028	Software Construction	10
BICT minor subject		10
BBus major subject 5		10
BBus major subject 6		10
Credit Points		40

Year 4

Autumn session

BICT minor subject		10
BICT minor subject		10
BBus professional subject 3		10
BBus major subject 7		10
Credit Points		40

Spring session

INFO 3019	Project Management	10
COMP 3018	Professional Experience	10
BBus professional subject 4		10
BBus major subject 8		10
Credit Points		40

Total Credit Points

320

Bachelor of Information and Communications Technology Minors

Cloud Computing, Minor (0128) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/cloud-computing-minor/>)

Cyber Security and Ethical Hacking, Minor (0326) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/cyber-security-ethical-hacking-minor/>)

Data Science and Machine Learning, Minor (0322) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/data-science-machine-learning-minor/>)

Games Development, Minor (0323) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/games-development/>)

Graphics and Visual Simulation, Minor (0324) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/graphics-visual-simulation-minor/>)

Health Informatics, Minor (0037) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/health-informatics-minor/>)

Multimedia Computing, Minor (0328) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/multimedia-computing-minor-0328/>)

Networking, Minor (0040) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/networking-minor/>)

Software Development, Minor (0329) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/software-development-minor-0329/>)

Ubiquitous Computing, Minor (0325) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/ubiquitous-computing/>)

Recommended Sequence Spring 2023

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 320 credit points as per the recommended sequence below. 320 credit points which include:

- 160 credit points of prescribed Bachelor of Information and Communications Technology subjects
- 160 credit points of prescribed Bachelor of Business subjects

Use the links to each Bachelor of Business (BBus) Major to see the core, professional and major subjects required.

Note: Students should follow the recommended sequence below and not the recommended sequence listed under each Bachelor of Business Major.

This progression pattern is highly recommended. Students progress through both degrees at the same pace, completing two subjects in each degree in each semester. Graduation after three years with either degree will be possible only if a student makes this decision at or before the end of Year 2 and amends their progression pattern as prescribed by an Academic Course Advisor.

Course	Title	Credit Points
Year 1		
Autumn session		
BBus core subject 1		
BBus core subject 2		
COMP 1005	Programming Fundamentals	10
Select one of the following		
MATH 1038	Mathematics for Computing	10
MATH 1006	Discrete Mathematics	10
		Credit Points
		40
Spring session		
COMP 2004	Computer Networking	10
INFS 2001	Database Design and Development	10
BBus core subject 3		10

BBus core subject 4	Credit Points	10
Year 2		
Autumn session		
INFO 1003	Professional Practice, Communication and Ethics	10
HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10
BBus professional subject 1		10
BBus major subject 1		10
		Credit Points
		40
Spring session		
COMP 2021	Software Engineering Fundamentals	10
COMP 2015	Programming Techniques	10
BBus professional subject 2		10
BBus major subject 2		10
		Credit Points
		40
Year 3		
Autumn session		
COMP 2027	Cyber Security	10
BICT minor subject		10
BBus major subject 3		10
BBus major subject 4		10
		Credit Points
		40
Spring session		
COMP 3028	Software Construction	10
BICT minor subject		10
BBus major subject 5		10
BBus major subject 6		10
		Credit Points
		40
Year 4		
Autumn session		
BICT minor subject		10
BICT minor subject		10
BBus professional subject 3		10
BBus major subject 7		10
		Credit Points
		40
Spring session		
INFO 3019	Project Management	10
COMP 3018	Professional Experience	10
BBus professional subject 4		10
BBus major subject 8		10
		Credit Points
		40
		Total Credit Points
		320

Bachelor of Information and Communications Technology Minors

Cloud Computing, Minor (0128) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/cloud-computing-minor/>)

Cyber Security and Ethical Hacking, Minor (0326) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/cyber-security-ethical-hacking-minor/>)

Data Science and Machine Learning, Minor (0322) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/data-science-machine-learning-minor/>)

Games Development, Minor (0323) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/games-development/>)

Graphics and Visual Simulation, Minor (0324) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/graphics-visual-simulation-minor/>)

Health Informatics, Minor (0037) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/health-informatics-minor/>)

Multimedia Computing, Minor (0328) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/multimedia-computing-minor-0328/>)

Networking, Minor (0040) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/networking-minor/>)

Software Development, Minor (0329) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/software-development-minor-0329/>)

Ubiquitous Computing, Minor (0325) (<https://hbook.westernsydney.edu.au/archives/2023-2024/majors-minors/ubiquitous-computing/>)