BACHELOR OF ENGINEERING (HONOURS)/BACHELOR OF BUSINESS (3728)

Approved Abbreviation: BEng(Hons)/BBus
Western Sydney University Program Code: 3728
AQF Level: 8

CRICOS Code: 089217C

This program applies to students who commenced in 2022 or later.

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

For commencement Year 2020, please refer to: 3728.3 Bachelor of Engineering (Honours)/Bachelor of Business (http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3728.3)

For commencement Year 2018, please refer to: 3728.2 Bachelor of Engineering (Honours)/Bachelor of Business (http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3728.2)

For commencement Year 2016, please refer to: 3728.1 Bachelor of Engineering (Honours)/Bachelor of Business (http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3728.1)

The Bachelor of Engineering (Honours)/Bachelor of Business double degree permits students to undertake multi-skilling and offers diverse career paths providing high marketability in multiple engineering and business areas. The Engineering degree provides students with professional skills in each of the eight key areas students choose to study. The eight engineering Majors are Advanced Manufacturing, Civil, Construction, Electrical, Materials, Mechanical, Robotics & Mechatronics, and Sustainability Engineering. Depending on the Business Major selected, employment possibilities are available in conventional engineering industries and also in areas including Applied Finance, Economics, Human Resource Management, International Business, Management, Marketing, Sport Management and Business Analytics. Graduates will be equipped to work as engineers, with a good understanding of business principles and practices.

Study Mode

Five years full-time or ten years part-time. The Bachelor of Engineering (Honours) is offered on Penrith and Parramatta Campuses. The Bachelor of Business offers a number of its majors at Bankstown, Campbelltown and Parramatta campuses. Students may be required to travel between campuses in order to complete these B Business majors.

Program Advice

Program advice (edbe@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 Campus	Full Time	Internal	See above
Bankstown Campus	Part Time	Internal	See above
Bankstown City Campus (from 2023)	Full Time	Internal	See above
Bankstown City Campus (from 2023)	Part Time	Internal	See above
Campbelltown Campus	Full Time	Internal	See above
Campbelltown Campus	Part Time	Internal	See above
Parramatta City Campus	Full Time	Internal	See above
Parramatta City Campus	Part Time	Internal	See above
Penrith Campus	Full Time	Internal	See above
Penrith Campus	Part Time	Internal	See above

Accreditation

Professional Engineer for the disciplines, Civil, Construction, Electrical, Mechanical, and Robotics & Mechatronics at Penrith and Parramatta. Provisional accreditation at the level of Professional Engineer at the Penrith and Parramatta campuses for three Majors (Advanced Manufacturing, Materials, and Sustainability). Graduates of this program are eligible to apply for full membership of Engineers Australia. They are eligible to apply for Chartered Professional Engineering registration upon successful completion of required engineering practice period specified by Engineers Australia.

Bachelor of Business: Where the full recommended unit sequence of the major is satisfactorily completed: 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). T044 - Marketing satisfies the educational requirements for recognition as a Certified Practising Marketer and eligibility for membership of the Australian Marketing Institute (AMI).

Association to Advance Collegiate Schools of Business (AACSB)

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

Inherent Requirements

There are inherent requirements for this program that you must meet in order to complete your program and graduate. Make sure you read and understand the requirements for this program online.

Engineering

Inherent requirements for Engineering Programs (https://www.westernsydney.edu.au/ir/inherent_requirements/inherent_requirements_for_engineering_courses/).

Business

The School of Business developed a set of Inherent Requirements for the discipline of Accounting as part of a Western Sydney University-wide pilot. These requirements are adopted for all School of Business programs and are available at:

Inherent requirements for Accounting courses (https://www.westernsydney.edu.au/ir/inherent_requirements/inherent_requirements_for_accounting_courses/)

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

Eligibility for admission to the Bachelor of Engineering (Honours)/Bachelor of Business is based on the following requirements:

- Assumed Knowledge: HSC Mathematics (Band 5 or higher), any two units of science, any two units of English.
- Recommended studies: Physics, HSC Mathematics Extension 1 or HSC Mathematics Extension 2.
- Practical Experience: A session of industrial experience is required at the end of the third or fourth year.

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

Qualification for this award requires the successful completion of 400 credit points.

Students who complete this award will graduate with two testamurs

- Bachelor of Engineering (Honours), with the Bachelor of Engineering major noted on the testamur, and
- Bachelor of Business, with the Bachelor of Business Major noted on the testamur.

Engineering Component

Students must study seven Engineering Foundation subjects followed by 15 Engineering Core subjects and two Engineering Thesis subjects in one of the following Bachelor of Engineering (Honours) programs.

Engineering Majors - Autumn 2022

Advanced Manufacturing, Testamur Major (T126) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/advanced-manufacturing-ug-testamur-major/)

Business Analytics, Testamur Major (T130) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/business-analytics-ug-testamur-major/)

Civil, Testamur Major (T033) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/civil-ug-pg-testamur-major/)

Construction, Testamur Major (T034) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/construction-ug-pg-testamur-major/)

Electrical, Testamur Major (T035) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/electrical-ug-pg-testamur-major/)

Materials Engineering, Testamur Major (T128) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/materials-engineering-ug-testamur-major/)

Mechanical, Testamur Major (T036) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/mechanical-ug-pg-testamur-major/)

Robotics and Mechatronics, Testamur Major (T037) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/robotics-mechatronics-ug-testamur-major/)

Sustainability Engineering, Testamur Major (T129) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/sustainability-engineering-ug-testamur-major/)

Engineering Majors - from Spring 2022

Advanced Manufacturing, Testamur Major (T126) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/advanced-manufacturing-ug-testamur-major/)

Civil Engineering, Testamur Major (T131) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/civil-engineering-ug-testamur-major/)

Construction Engineering, Testamur Major (T132) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/construction-engineering-ug-testamur-major/)

Electrical Engineering, Testamur Major (T102) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/electrical-engineering-ug-testamur-major/)

Materials Engineering, Testamur Major (T128) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/materials-engineering-ug-testamur-major/)

Mechanical Engineering, Testamur Major (T103) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/mechanical-engineering-ug-testamur-major/)

Robotics and Mechatronics Engineering, Testamur Major (T104) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/robotics-mechatronics-engineering-ug-testamur-major/)

Sustainability Engineering, Testamur Major (T129) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/sustainability-engineering-ug-testamur-major/)

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 and Economics),
- Markets (for majors in 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.

Majors

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

Use the links below to each Bachelor of Business Major see the list of Core, Professional and Major subjects required. Students should follow the recommended sequence listed under each Bachelor of Engineering (Honours) program via the links above and not the recommended sequence listed under each B Bus Major.

Majors for Careers in Money

Applied Finance, Testamur Major (T038) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/applied-finance-ug-testamur-major/)

Economics, Testamur Major (T039) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/economics-ug-testamur-major/)

Majors for Careers in Markets

International Business, Testamur Major (T042) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/international-business-ug-testamur-major/)

Marketing, Testamur Major (T044) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/marketing-ug-testamur-major/)

Sport Management, Testamur Major (T045) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/sport-management-ug-testamur-major/)

Majors for Careers in Management

Human Resource Management, Testamur Major (T041) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/human-resource-management-ug-testamur-major/)

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

Majors for Careers in Business Analytics

Business Analytics, Testamur Major (T130) (https://hbook.westernsydney.edu.au/archives/2022-2023/majors-minors/business-analytics-ug-testamur-major/)