

BACHELOR OF DESIGN AND TECHNOLOGY (3729)

Approved Abbreviation: BDes&Tech

Western Sydney University Program Code: 3729

AQF Level: 7

CRICOS Code: 041034F

This program applies to students who commenced in 2021 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: 3729.3 Bachelor of Design and Technology (<http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3729.3>)

For commencement year 2018-2019, please refer to: 3729.2 Bachelor of Design and Technology (<http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3729.2>)

The Design and Technology program provides a sound knowledge in a broad range of work-ready design skills, including thinking methods, drawing skills for creativity, design innovation, product design, human factors, design management, and 2D and 3D CAD. This program can lead to multiple career outcomes, including product design, packaging, 3D modelling, rapid prototyping with 3D printing, design for sustainability, new product-oriented Start-Up, or secondary school teaching (with additional qualifications). Fields of Study include Design Practice, Graphic Design, Cultural Studies, UX, Manufacturing, and Sustainable Futures. Students wishing to become industrial designers can articulate in the fourth year of the Bachelor of Industrial Design.

Parts of this course may be taught at the Parramatta City - Hassall St campus or at the Parramatta South campus.

Study Mode

Three years full-time or six years part-time.

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
Parramatta City Campus - Macquarie Street	Full Time	Internal	See above
Parramatta City Campus - Macquarie Street	Part Time	Internal	See above

Parts of this course may be taught at the Parramatta City - Hassall St campus or at the Parramatta South campus.

Accreditation

Graduates are eligible for membership of the Design Institute of Australia (DIA).

Admission

Assumed knowledge: any two units of English plus at least two units of Design, Design and Technology, Visual Arts, Digital Multimedia, Engineering, or Business Studies.

Alternate Entry

Entry by interview in which personal aptitude, professional experience, and educational qualifications are taken into consideration supported by a portfolio of works. After applicants have applied they are required to book an interview and download a questionnaire at this University's online booking system.

<https://admissions.westernsydney.edu.au> (<https://admissions.westernsydney.edu.au/>)

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.

Recommended Sequence

Students may be required to travel to different Western Sydney University campuses to complete the elements of their program.

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

To be eligible to graduate from this program, students are required to complete a minor from the list below.

Parts of these units may be taught at the Parramatta City - Hassall St campus or at the Parramatta South campus.

Start Year Intake

Course	Title	Credit Points
Year 1		
Autumn session		
ENGR 1046	Human Centred Design Research Methods	10
ENGR 1039	Designing for Circular Economy	10
ENGR 1043	Co-Designing Change with Local Communities	10
ENGR 1038	Design Graphics: Presenting Innovation	10
Credit Points		40
Spring session		
ENGR 1041	Designing for User Experience (UX)	10
ENGR 1044	Drawing Skills for Design Thinking	10
ENGR 1040	Designing for People: Applied Ergonomics	10
ENGR 2025	Design Graphics: Engineering Documentation	10
Credit Points		40
Year 2		
Autumn session		
ENGR 1042	Sustainable Materials and Smart Manufacturing	10
ENGR 2026	Design Semantics: Exploring Product Form	10
ENGR 2024	Design Graphics: Communication for Manufacture	10
Select one Major, Minor or Alternate subject		10
Credit Points		40
Spring session		
ENGR 3023	Biomechanics in Product Innovation	10
ENGR 3026	Design Thinking for Successful Brands and Products	10
Select two Major, Minor or Alternate subjects		20
Credit Points		40
Year 3		
Autumn session		
ENGR 4021	Studio: Interdisciplinary Global	10
Select three Major, Minor or Alternate subjects		30
Credit Points		40
Spring session		
ENGR 4022	Studio: Design Synthesis Capstone	10
ENGR 2029	Simulation in Virtual and Augmented Realities	10
Select two Major, Minor or Alternate subject		20
Credit Points		40
Total Credit Points		240

Mid-year Intake

Course	Title	Credit Points
Year 1		
Spring session		
ENGR 1041	Designing for User Experience (UX)	10
ENGR 1044	Drawing Skills for Design Thinking	10

ENGR 1040	Designing for People: Applied Ergonomics	10
ENGR 2025	Design Graphics: Engineering Documentation	10
Credit Points		40
Autumn session		
ENGR 1046	Human Centred Design Research Methods	10
ENGR 1039	Designing for Circular Economy	10
ENGR 1038	Design Graphics: Presenting Innovation	10
ENGR 2024	Design Graphics: Communication for Manufacture	10
Credit Points		40
Year 2		
Spring session		
ENGR 3023	Biomechanics in Product Innovation	10
ENGR 3026	Design Thinking for Successful Brands and Products	10
Select two Major, Minor or Alternate subjects		20
Credit Points		40
Autumn session		
ENGR 1043	Co-Designing Change with Local Communities	10
ENGR 1042	Sustainable Materials and Smart Manufacturing	10
ENGR 2026	Design Semantics: Exploring Product Form	10
Select one Major, Minor or Alternate subject		10
Credit Points		40
Year 3		
Spring session		
ENGR 4022	Studio: Design Synthesis Capstone	10
ENGR 2029	Simulation in Virtual and Augmented Realities	10
Select two Major, Minor or Alternate subject		20
Credit Points		40
Autumn session		
ENGR 4021	Studio: Interdisciplinary Global	10
Select three Major, Minor or Alternate subjects		30
Credit Points		40
Total Credit Points		240

Autumn Alternate Subject Pool

Subject	Title	Credit Points
ENGR 2022	Design Practice: Sustainable Manufacturing	10
VISU 2003	From Ochre to Acrylics to New Technologies	10
HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10
BUSM 3005	Creating Change and Innovation	10
BUSM 3036	Leadership and Entrepreneurship	10
BEHV 1018	Psychology: Human Behaviour	10
HUMN 3077	Sustainable Futures	10
ENGR 3024	Design Research Methods (Advanced)	10

Spring Alternate Subject Pool

Subject	Title	Credit Points
ENGR 3025	Designing for Circular Economy (Advanced)	10
MKTG 2002	Incubator 1: Innovation and Creativity for Entrepreneurship	10
ENGR 3028	Mentored Practice in Design Innovation	10
ENGR 4016	Design Practice: Sustainable Components	10
ENGR 4019	Start-Up Product Launch	10
BLDG 1009	Environmental Building Design	10

Majors and Minors

The Bachelor of Industrial Design is offered at Parramatta City campus only. Students may be required to travel between campuses in order to complete some subjects within specific Majors and Minors.

Majors

Design Practice, Major (0225) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/design-practice-major/>)

Technology Entrepreneurship, Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/technology-entrepreneurship-major/>)

Minors

Business Studies for Secondary Teaching, Minor (0139) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/business-studies-secondary-teaching-minor/>)

Construction Economics

Culture and Society, Minor (0264) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/culture-society-minor/>)

Design Practice, Minor (0225) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/design-practice-minor/>)

Graphic Design, Minor (0073) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/graphic-design-minor/>)

Indigenous Australian Studies, Minor (0015) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/indigenous-australian-studies-minor/>)

Social Ecology, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/social-ecology-minor/>)

Sustainable Futures, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/sustainable-futures-minor/>)

Replaced Minors

The minor listed below counts towards completion of this Program for students who began studying this minor prior to the years indicated below.

SM1070 Cultural and Social Analysis, Minor (<http://handbook.westernsydney.edu.au/hbook/specialisation.aspx?unitset=SM1070.1>), replaced by Culture and Society, Minor in 2021 (listed above)