BACHELOR OF INDUSTRIAL DESIGN (HONOURS) (3731)

Approved Abbreviation: BIndDes(Hons)
Western Sydney University Program Code: 3731
AQF Level: 8

CRICOS Code: 107743E

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: 3731.3 Bachelor of Industrial Design (Honours) (http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3731.3)

For commencement year 2018-2020, please refer to: 3731.2 Bachelor of Industrial Design (Honours) (http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3731.2)

Handbook Summary 2021 - 2022

The Bachelor of Industrial Design (Honours) is a four-year program with specialisations that build significant support for the final year research thesis and applied design research project. The Design Research pathway central to Honours is developed to meet the demands of industry and academia in creating new contributions to the body of knowledge in innovation, systems thinking, design thinking, and social innovation.

The curriculum offers structured and self-directed learning across standard class formats, studio-based, blended online and experiential Work Integrated Learning with focus on advanced design research methods drawn from industry-based design practice providing graduates with multi-directional employment pathways.

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

Handbook Summary 2023

The Honours Design Research pathway is developed to meet the demands of communities, industries, and academia in creating new applied design research contributions to the societal body of knowledge in creativity, innovation, systems and design thinking, and social innovation.

The curriculum offers structured and self-directed learning across standard class formats, studio-based, blended, online and experiential Work Integrated Learning. At the culmination of the program the final year Thesis Projects are showcased in the Annual Widevision School Excellence Exhibition for industry and employer engagement providing a unique, career enhancing, engagement and networking opportunity.

With a focus on advanced design research methods drawn from industry-based design practice graduates are provided with multi-directional employment pathways. Students can choose to transition to a research pathway such as Masters and PhD studies or to an industry or entrepreneurial career in their chosen area of research specialisation. Studies are held at the Parramatta Engineering Innovation Hub.

Effective industrial design research career professionals require a broad range of knowledge to allow them to connect and work with colleagues across many disciplines. To assist students to flexibly build their career pathways, the Bachelor of Industrial Design (Honours) provides elective options in order to complete an industrial design major; one or two minors; or explore a range of free electives in areas of interest outside of industrial design.

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

Early Exit

Students may exit this program on completion of 240 credit points with a 3729 Bachelor of Design and Technology (https://hbook.westernsydney.edu.au/programs/bachelor-design-technology/)

Study Mode

Four years full-time or eight 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	Full Time	Internal	See above
Parramatta City Campus	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)

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: any two subjects of English plus at least two subjects 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 the University's online booking system. The questionnaire provides applicants further information on how to prepare their portfolio and for the interview.

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 2022

Qualification for this award requires the successful completion of 320 credit points which include the subjects listed in the recommended sequence below.

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

Full-time 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
ENGR 3025	Designing for Circular Economy (Advanced)	10
Select one major/minor or alternate subject		10
	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
Select three major/minor or alternate subjects		30
	Credit Points	**40**
Year 4		
Autumn session		
ENGR 4027	Industrial Design Applied Research Project (Honours)	20
ENGR 2022	Design Practice: Sustainable Manufacturing	10
ENGR 3024	Design Research Methods (Advanced)	10
	Credit Points	**40**
Spring session		
ENGR 4030	Industrial Design Research Thesis (Honours)	20
ENGR 3028	Mentored Practice in Design Innovation	10
ENGR 4016	Design Practice: Sustainable Components	10
	Credit Points	**40**
	Total Credit Points	**320**

Full-time 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
ENGR 3025	Designing for Circular Economy (Advanced)	10
Select one major/minor or alternate subject		10
	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
Select three major/minor or alternate subjects		30
	Credit Points	**40**
Autumn session		
ENGR 4021	Studio: Interdisciplinary Global	10
Select three major/minor or alternate subjects		30
	Credit Points	**40**
Year 4		
Spring session		
ENGR 4027	Industrial Design Applied Research Project (Honours)	20
ENGR 3028	Mentored Practice in Design Innovation	10
ENGR 4016	Design Practice: Sustainable Components	10
	Credit Points	**40**
Autumn session		
ENGR 4030	Industrial Design Research Thesis (Honours)	20
ENGR 2022	Design Practice: Sustainable Manufacturing	10
ENGR 3024	Design Research Methods (Advanced)	10
	Credit Points	**40**
	Total Credit Points	**320**

Autumn Alternate Subject Pool

Subject	Title	Credit Points
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
BLDG 3007	Design Brief Formulation	10

Spring Alternate Subject Pool

Subject	Title	Credit Points
ENGR 4017	Design Thinking for Competitive Advantage	10
INFO 7018	Cloud Systems Development	10
ENGR 4019	Start-Up Product Launch	10
BLDG 1009	Environmental Building Design	10
BUSM 3069	Strategic Management	10
ENGR 2029	Simulation in Virtual and Augmented Realities	10
BUSM 3005	Creating Change and Innovation	10
BLDG 1013	Building Science	10

Replaced Subject

The subject listed below counts towards completion of this program for students who passed this subject in Autumn 2021 or earlier.

INFO 7008 - Modern Software Architectures, replaced by INFO 7018 Cloud Systems Development

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.

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

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

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

Construction Economics, Minor (0119) (https://hbook.westernsydney.edu.au/majors-minors/construction-economics-concentration/)

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

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

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

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

Social Ecology, Minor (0215) (https://hbook.westernsydney.edu.au/majors-minors/social-ecology-minor/)

Sustainable Futures, Minor (0035) (https://hbook.westernsydney.edu.au/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 2021.

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).

Recommended Sequence 2023

Qualification for this award requires the successful completion of 320 credit points which include the subjects listed in the recommended sequence below.

The core subjects are taught at the Parramatta City (Hassall St) campus.

Students may be required to travel to different Western Sydney University campuses to complete Majors, Minors or elective subjects.

Full-time 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 elective 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 elective subjects		20
	Credit Points	**40**
Year 3		
Autumn session		
ENGR 4021	Studio: Interdisciplinary Global	10
Select three elective subjects		30
	Credit Points	**40**
Spring session		
ENGR 4022	Studio: Design Synthesis Capstone	10
ENGR 3025	Designing for Circular Economy (Advanced)	10
Select two elective subjects		20
	Credit Points	**40**
Year 4		
Autumn session		
ENGR 4027	Industrial Design Applied Research Project (Honours)	20
ENGR 2022	Design Practice: Sustainable Manufacturing	10
ENGR 3024	Design Research Methods (Advanced)	10
	Credit Points	**40**
Spring session		
ENGR 4030	Industrial Design Research Thesis (Honours)	20
ENGR 4016	Design Practice: Sustainable Components	10
Select one of the following:		10
ENGR 3028	Mentored Practice in Design Innovation	
ENGR 3031	Mentored Practice in Design (Industry)	
	Credit Points	**40**
	Total Credit Points	**320**

Full-time 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 elective 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

ENGR 2024	Design Graphics: Communication for Manufacture	10
	Credit Points	**40**
Year 3		
Spring session		
ENGR 4022	Studio: Design Synthesis Capstone	10
ENGR 3025	Designing for Circular Economy (Advanced)	10
Select two elective subjects		20
	Credit Points	**40**
Autumn session		
ENGR 4027	Industrial Design Applied Research Project (Honours)	20
ENGR 2022	Design Practice: Sustainable Manufacturing	10
Select one elective subject		10
	Credit Points	**40**
Year 4		
Spring session		
ENGR 4030	Industrial Design Research Thesis (Honours)	20
ENGR 4016	Design Practice: Sustainable Components	10
Select one of the following:		10
ENGR 3028	Mentored Practice in Design Innovation	
ENGR 3031	Mentored Practice in Design (Industry)	
	Credit Points	**40**
Autumn session		
ENGR 4021	Studio: Interdisciplinary Global	10
Select three elective subjects		30
	Credit Points	**40**
	Total Credit Points	**320**

Elective subjects

Students may select their electives from any program offered by the university, provided any requisite requirements are met.

Students may use their 80 credit points of elective subjects to complete a major, or two minors, or suggested Industrial Design electives or university wide electives or a combination of the above.

Suggested Industrial Design Electives

Subject	Title	Credit Points
ENGR 2029	Simulation in Virtual and Augmented Realities	10
ENGR 4019	Start-Up Product Launch	10
ENGR 4017	Design Thinking for Competitive Advantage	10
Total Credit Points		**30**

Majors

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

Indigenous Australian Studies, Major (0015) (https://hbook.westernsydney.edu.au/majors-minors/indigenous-australian-studies-major/)

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

Minors

Western Sydney University also offers the following innovative transdisciplinary minors which we encourage those students who have elective space to consider or may choose another university-wide:

Climate Justice, Minor (0315) (https://hbook.westernsydney.edu.au/majors-minors/climate-justice-minor/)

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

Eco-Socially Conscious Design and Manufacturing, Minor (0310) (https://hbook.westernsydney.edu.au/majors-minors/eco-socially-conscious-design-manufacturing-minor/)

Equitable Technologies, Minor (0312) (https://hbook.westernsydney.edu.au/majors-minors/equitable-technologies-minor/)

Global Sustainability, Minor (0196) (https://hbook.westernsydney.edu.au/majors-minors/global-sustainability-minor/)

Global Workplaces, Minor (0316) (https://hbook.westernsydney.edu.au/majors-minors/global-workplaces-minor/)

Humanitarian Action in Practice, Minor (0327) (https://hbook.westernsydney.edu.au/majors-minors/humanitarian-action-practice-minor/)

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

Innovating, Creating and Problem Solving, Minor (0283) (https://hbook.westernsydney.edu.au/majors-minors/innovating-creating-problem-solving-minor/)

Innovating For Humans, Minor (0288) (https://hbook.westernsydney.edu.au/majors-minors/innovating-humans-minor/)

Migration and Global Change, Minor (0314) (https://hbook.westernsydney.edu.au/majors-minors/migration-global-change-minor/)

Personal Innovation, Minor (0284) (https://hbook.westernsydney.edu.au/majors-minors/personal-innovation-minor/)

Social Ecology, Minor (0215) (https://hbook.westernsydney.edu.au/majors-minors/social-ecology-minor/)

Sustainable Futures, Minor (0035) (https://hbook.westernsydney.edu.au/majors-minors/sustainable-futures-minor/)

Urban Evolution, Minor (0313) (https://hbook.westernsydney.edu.au/majors-minors/urban-evolution-minor/)

Water for Life, Minor (0311) (https://hbook.westernsydney.edu.au/majors-minors/water-life-minor/)