

SUSTAINABILITY ENGINEERING, TESTAMUR MAJOR (T129)

Western Sydney University Major Code: T129

Previous Code: MT3050.1

Available to students in other Western Sydney University programs?

No

Engineers are leaders in developing novel approaches to solving the biggest challenges faced by environmental and interrelated systems. In this Major, students assess the impact of industrial development then propose design solutions using holistic, futuristic and sustainable technologies and strategies. Through hands-on, real-life projects, students explore solutions that integrate technical, technological (IoT), social, cultural, geographical, regulatory and ethical factors particularly in relation to water, air and land. This major will benefit students aiming for careers such as Environmental Engineer/Scientist/Consultant, Natural Resources Manager, Waste Engineer/Manger/ Consultant, and Sustainability Engineer/ Manager/ Consultant. All students complete a mandatory industrial placement.

Location

Campus	Mode	Advice		Credit Points
Parramatta Campus - Victoria Road	Internal	Program Advice (edbe@westernsydney.edu.au)		
Parramatta City Campus-Macquarie Street	Internal	Program Advice (edbe@westernsydney.edu.au)		
Penrith Campus	Internal	Program Advice (edbe@westernsydney.edu.au)		

Major Sequence Current

This major sequence applies to students who commenced in 2024 or later. If you commenced prior to 2024 please refer to the Sequence 2022-23 tab for details.

This major is included in Bachelor of Engineering Science, Bachelor of Engineering (Honours), Bachelor of Engineering Advanced (Honours) and Bachelor of Engineering (Honours)/Bachelor of Business.

Please follow the recommended sequence for your program as noted below.

Bachelor of Engineering (Honours) (3740)

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

*** All students undertaking the Bachelor of Engineering (Honours) are required to enrol in MATH 1021 Mathematics for Engineers Preliminary and undertake a readiness test at the beginning of their study.**

The readiness test will be conducted at the beginning of the first semester of enrolment and the result will be used to determine whether a student will remain in MATH 1021 Mathematics for Engineers Preliminary or be transferred by the School to MATH 1016 Mathematics for Engineers 1.

Students remaining in MATH 1021 Mathematics for Engineers Preliminary will be required to complete MATH 1016 Mathematics for Engineers 1 during second semester and will be encouraged to complete MATH 1019 Mathematics for Engineers 2 during the Summer session.

**** Electives** must be Level 2 or higher (An exception applies for students completing MATH 1021 Mathematics for Engineers Preliminary. This subject will then count as one of the elective subjects)

Start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
ENGR 1011	Engineering Physics	10
ELEC 1006	Engineering Computing	10
ENGR 1024	Introduction to Engineering Practice	10
Select one of the following:		10
MATH 1021	Mathematics for Engineers Preliminary	
MATH 1016	Mathematics for Engineers 1	
	Credit Points	40
Spring session		
ENGR 1018	Fundamentals of Mechanics	10
ELEC 1003	Electrical Fundamentals	10
PROC 1008	Introduction to Materials Engineering	10
Select one of the following:		10
MATH 1016	Mathematics for Engineers 1	
MATH 1019	Mathematics for Engineers 2	
	Credit Points	40
Year 2		
Autumn session		
CIVL 1001	Surveying for Engineers	10
CIVL 2003	Fluid Mechanics	10
ENGR 1050	Sustainable Engineering Fundamentals	10
EART 2001	Climate Change Science	10
	Credit Points	40
Spring session		
CIVL 3011	Hydraulics	10
ENGR 2032	Sustainability Analysis and Design	10
CIVL 2018	Water Supply Systems Design	10
CIVL 2002	Environmental Engineering	10
	Credit Points	40
Year 3		
Autumn session		
CIVL 4017	Surface Water Hydrology	10
PROC 2003	Materials Selection and Design	10
ENVL 3005	Planning the City: Development, Community and Systems	10
Select one elective** or minor subject		10
	Credit Points	40
Spring session		
ELEC 3010	Renewable Energy Systems Design	10
CIVL 3019	Wastewater Systems Design	10
CIVL 4021	Sustainable Waste Engineering	10
Select one elective** or minor subject		10
Industrial Experience		

ENGR 3017	Industrial Experience (Engineering)	0	Autumn session	
	Credit Points	40	CIVL 4017	Surface Water Hydrology
Year 4			ENVL 3005	Planning the City: Development, Community and Systems
Autumn session			Select two electives** or minor subjects	20
ENGR 4041	Final Year Project 1 (UG Engineering)	20		
ENGR 4034	Climate Smart Engineering	10	Industrial Experience	
Select one elective** or minor subject		10	ENGR 3017	Industrial Experience (Engineering)
	Credit Points	40		Credit Points
Spring session			Year 4	
ENGR 4035	Smart and Liveable Cities	10	Spring session	
ENGR 4042	Final Year Project 2 (UG Engineering)	20	ENGR 4041	Final Year Project 1 (UG Engineering)
Select one elective** or minor subject		10	ENGR 4035	Smart and Liveable Cities
	Credit Points	40	Select one elective** or minor subject	10
	Total Credit Points	320		Credit Points
Mid-year intake			Autumn session	
Course	Title	Credit Points	ENGR 4042	Final Year Project 2 (UG Engineering)
Year 1			ENGR 4034	Climate Smart Engineering
Spring session			Select one elective** or minor subject	10
ENGR 1018	Fundamentals of Mechanics	10		Credit Points
PROC 1008	Introduction to Materials Engineering	10		Total Credit Points
ENGR 1024	Introduction to Engineering Practice	10		320
Select one of the following:		10		
MATH 1021	Mathematics for Engineers Preliminary			
MATH 1016	Mathematics for Engineers 1			
	Credit Points	40		
Autumn session				
CIVL 2003	Fluid Mechanics	10		
ENGR 1011	Engineering Physics	10		
ENGR 1050	Sustainable Engineering Fundamentals	10		
Select one of the following:		10		
MATH 1016	Mathematics for Engineers 1			
MATH 1019	Mathematics for Engineers 2			
	Credit Points	40		
Year 2				
Spring session				
ENGR 2032	Sustainability Analysis and Design	10		
CIVL 2018	Water Supply Systems Design	10		
CIVL 3011	Hydraulics	10		
ELEC 1003	Electrical Fundamentals	10		
	Credit Points	40		
Autumn session				
CIVL 1001	Surveying for Engineers	10		
EART 2001	Climate Change Science	10		
ELEC 1006	Engineering Computing	10		
PROC 2003	Materials Selection and Design	10		
	Credit Points	40		
Year 3				
Spring session				
ELEC 3010	Renewable Energy Systems Design	10		
CIVL 3019	Wastewater Systems Design	10		
CIVL 2002	Environmental Engineering	10		
CIVL 4021	Sustainable Waste Engineering	10		
	Credit Points	40		
Spring session				
CIVL 3011	Hydraulics	10		
ENGR 2032	Sustainability Analysis and Design	10		
CIVL 2018	Water Supply Systems Design	10		
PROC 1008	Introduction to Materials Engineering	10		

Bachelor of Engineering Advanced (Honours) (3771)

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

** Electives must be Level 2 or higher

Start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
MATH 1034	Mathematics for Engineers 1 (Advanced)	10
ENGR 1024	Introduction to Engineering Practice	10
ENGR 1047	Advanced Engineering Physics 1	10
ELEC 1006	Engineering Computing	10
	Credit Points	40
Spring session		
MATH 1035	Mathematics for Engineers 2 (Advanced)	10
ENGR 1018	Fundamentals of Mechanics	10
ELEC 1003	Electrical Fundamentals	10
ENGR 2023	Advanced Engineering Physics 2	10
	Credit Points	40
Year 2		
Autumn session		
CIVL 1001	Surveying for Engineers	10
CIVL 2003	Fluid Mechanics	10
ENGR 1050	Sustainable Engineering Fundamentals	10
EART 2001	Climate Change Science	10
	Credit Points	40
Spring session		
CIVL 3011	Hydraulics	10
ENGR 2032	Sustainability Analysis and Design	10
CIVL 2018	Water Supply Systems Design	10
PROC 1008	Introduction to Materials Engineering	10

Students who fail to maintain a minimum GPA of 5.0 at the end of completion of 160 Credit Points, and again at the completion of 200 Credit points will be automatically transferred to the B. Engineering (Honours) (3740) program.

Credit Points	40
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Year 3

Autumn session

CIVL 4017	Surface Water Hydrology	10
PROC 2003	Materials Selection and Design	10
ENVL 3005	Planning the City: Development, Community and Systems	10
Select one elective** or minor subject		10

Credit Points	40
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Spring session

ELEC 3010	Renewable Energy Systems Design	10
CIVL 3019	Wastewater Systems Design	10
CIVL 4021	Sustainable Waste Engineering	10
Select one elective** or minor subject		10

Credit Points	40
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Industrial Experience

ENGR 3017	Industrial Experience (Engineering)	0
		0

Credit Points	40
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Year 4

Autumn session

ENGR 4043	Advanced Engineering Thesis 1: Preliminary Investigations	20
ENGR 4034	Climate Smart Engineering	10
Select one elective** or minor subject		10

Credit Points	40
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Total Credit Points	320
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Mid-year intake

Course	Title	Credit Points
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Year 1

MATH 1034	Mathematics for Engineers 1 (Advanced)	10
ENGR 1018	Fundamentals of Mechanics	10
ELEC 1003	Electrical Fundamentals	10
ENGR 2023	Advanced Engineering Physics 2	10
		40

Credit Points	40
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Autumn session

MATH 1035	Mathematics for Engineers 2 (Advanced)	10
CIVL 2003	Fluid Mechanics	10
ENGR 1047	Advanced Engineering Physics 1	10
ELEC 1006	Engineering Computing	10
		40

Credit Points	40
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Year 2

ENGR 2032	Sustainability Analysis and Design	10
CIVL 2018	Water Supply Systems Design	10
CIVL 3011	Hydraulics	10

PROC 1008	Introduction to Materials Engineering	10
	Credit Points	40

Autumn session

CIVL 1001	Surveying for Engineers	10
EART 2001	Climate Change Science	10
ENGR 1050	Sustainable Engineering Fundamentals	10
ENGR 1024	Introduction to Engineering Practice	10
Students who fail to maintain a minimum GPA of 5.0 at the end of completion of 160 Credit Points, and again at the completion of 200 Credit points will be automatically transferred to the B. Engineering (Honours) (3740) program.		

Credit Points	40
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Year 3

ELEC 3010	Renewable Energy Systems Design	10
CIVL 3019	Wastewater Systems Design	10
CIVL 4021	Sustainable Waste Engineering	10
Select one elective** or minor subject		10

Credit Points	40
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Industrial Experience

ENGR 3017	Industrial Experience (Engineering)	0
		0

Credit Points	40
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Year 4

ENGR 4044	Advanced Engineering Thesis 2: Detailed Investigations	20
ENGR 4035	Smart and Liveable Cities	10
Select one elective** or minor subject		10
		10

Credit Points	40
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Total Credit Points	320
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Autumn session

ENGR 4044	Advanced Engineering Thesis 2: Detailed Investigations	20
ENGR 4034	Climate Smart Engineering	10
Select one elective** or minor subject		10
		10

Credit Points	40
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Total Credit Points	320
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Bachelor of Engineering (Honours)/ Bachelor of Business (3800)

Qualification for this award requires the successful completion of 440 credit points, which include the subjects listed in the recommended sequence below.

Start-year intake

Course	Title	Credit Points
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Year 1

MATH 1016	Mathematics for Engineers 1	10
ENGR 1011	Engineering Physics	10
ENGR 1024	Introduction to Engineering Practice	10

BBus Core Subject 1	10	Spring session	
	Credit Points	40	
Spring session			
MATH 1019	Mathematics for Engineers 2	10	ENGR 4042 Final Year Project 2 (UG Engineering) 20
PROC 1008	Introduction to Materials Engineering	10	ENGR 4035 Smart and Liveable Cities 10
BBus Core Subject 2		10	BBus Major Subject 6 10
BBus Core Subject 3		10	
	Credit Points	40	Credit Points
Year 2			40
Autumn session			
ELEC 1006	Engineering Computing	10	BBus Major Subject 7 10
BBus Core Subject 4		10	BBus Major Subject 8 10
BBus Professional Subject 1		10	BBus Professional Subject 3 10
BBus Professional Subject 2		10	BBus Professional Subject 4 10
	Credit Points	40	Credit Points
			40
			Total Credit Points
			440
Mid-year intake			
Spring session		Course	Title
ELEC 1003	Electrical Fundamentals	10	Credit Points
ENGR 1018	Fundamentals of Mechanics	10	
BBus Major Subject 1		10	Year 1
BBus Major Subject 2		10	
	Credit Points	40	Spring session
Year 3			
Autumn session			
ENGR 1050	Sustainable Engineering Fundamentals	10	MATH 1016 Mathematics for Engineers 1 10
CIVL 1001	Surveying for Engineers	10	PROC 1008 Introduction to Materials Engineering 10
CIVL 2003	Fluid Mechanics	10	ENGR 1024 Introduction to Engineering Practice 10
EART 2001	Climate Change Science	10	BBus Core Subject 1 10
	Credit Points	40	
Spring session			Credit Points
ENGR 2032	Sustainability Analysis and Design	10	
CIVL 2002	Environmental Engineering	10	
CIVL 2018	Water Supply Systems Design	10	
CIVL 3011	Hydraulics	10	
	Credit Points	40	
Year 4			Year 2
Autumn session			Spring session
PROC 2003	Materials Selection and Design	10	ELEC 1003 Electrical Fundamentals 10
CIVL 4017	Surface Water Hydrology	10	ENGR 1018 Fundamentals of Mechanics 10
ENVL 3005	Planning the City: Development, Community and Systems	10	BBus Core Subject 4 10
BBus Major Subject 3		10	BBus Major Subject 1 10
	Credit Points	40	
Spring session			Credit Points
ELEC 3010	Renewable Energy Systems Design	10	
CIVL 3019	Wastewater Systems Design	10	
CIVL 4021	Sustainable Waste Engineering	10	
BBus Major Subject 4		10	
Industrial Experience			
ENGR 3017	Industrial Experience (Engineering)	0	
	Credit Points	40	
Year 5			Credit Points
Autumn session			
ENGR 4041	Final Year Project 1 (UG Engineering)	20	PROC 2003 Materials Selection and Design 10
ENGR 4034	Climate Smart Engineering	10	ENVL 3005 Planning the City: Development, Community and Systems 10
BBus Major Subject 5		10	CIVL 4017 Surface Water Hydrology 10
	Credit Points	40	

EART 2001	Climate Change Science	10	Students who finish MATH 1021 Mathematics for Engineers Preliminary will then use this subject as an elective.
	Credit Points	40	
Year 4			
Spring session			
ELEC 3010	Renewable Energy Systems Design	10	
CIVL 3019	Wastewater Systems Design	10	
CIVL 4021	Sustainable Waste Engineering	10	
BBus Major Subject 3		10	
	Credit Points	40	
Autumn session			
ELEC 1006	Engineering Computing	10	
CIVL 1001	Surveying for Engineers	10	
BBus Major Subject 4		10	
BBus Professional Subject 2		10	
	Credit Points	40	
Industrial Experience			
ENGR 3017	Industrial Experience (Engineering)	0	
	Credit Points	40	
Year 5			
Spring session			
ENGR 4041	Final Year Project 1 (UG Engineering)	20	
ENGR 4035	Smart and Liveable Cities	10	
BBus Major Subject 5		10	
	Credit Points	40	
Autumn session			
ENGR 4042	Final Year Project 2 (UG Engineering)	20	
ENGR 4034	Climate Smart Engineering	10	
BBus Major Subject 6		10	
	Credit Points	40	
Year 6			
Spring session			
BBus Major Subject 7		10	
BBus Major Subject 8		10	
BBus Professional Subject 3		10	
BBus Professional Subject 4		10	
	Credit Points	40	
	Total Credit Points	440	

Bachelor of Engineering Science (3691)

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

*** All students undertaking the Bachelor of Engineering Science are required to enrol in MATH 1021 Mathematics for Engineers Preliminary and undertake a readiness test at the beginning of their study.**

The readiness test will be conducted at the beginning of the first semester of enrolment and the result will be used to determine whether a student will remain in MATH 1021 Mathematics for Engineers Preliminary or be transferred by the School to MATH 1016 Mathematics for Engineers 1.

Students remaining in MATH 1021 Mathematics for Engineers Preliminary will be required to complete MATH 1016 Mathematics for Engineers 1 during second semester and will be encouraged to complete MATH 1019 Mathematics for Engineers 2 during the Summer session.

Start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
ENGR 1011	Engineering Physics	10
ENGR 1050	Sustainable Engineering Fundamentals	10
ENGR 1024	Introduction to Engineering Practice	10
Select one of the following:		10
MATH 1021	Mathematics for Engineers Preliminary	
MATH 1016	Mathematics for Engineers 1	
	Credit Points	40
Spring session		
ENGR 1018	Fundamentals of Mechanics	10
ELEC 1003	Electrical Fundamentals	10
PROC 1008	Introduction to Materials Engineering	10
Select one of the following:		10
MATH 1016	Mathematics for Engineers 1	
MATH 1019	Mathematics for Engineers 2	
	Credit Points	40
Year 2		
Autumn session		
ENGR 3029	Specialisation Workshop 1	10
CIVL 2003	Fluid Mechanics	10
ELEC 1006	Engineering Computing	10
EART 2001	Climate Change Science	10
	Credit Points	40
Spring session		
CIVL 3011	Hydraulics	10
ENGR 2032	Sustainability Analysis and Design	10
CIVL 2018	Water Supply Systems Design	10
ENGR 3030	Specialisation Workshop 2	10
	Credit Points	40
Year 3		
Autumn session		
ENGR 3013	Engineering Science Project 1	10
CIVL 4017	Surface Water Hydrology	10
ENVL 3005	Planning the City: Development, Community and Systems	10
Select one elective		10
• Elective must be Level 2 or higher (an exception applies for students completing Mathematics for Engineers Preliminary subject)		
	Credit Points	40
Spring session		
ENGR 3014	Engineering Science Project 2	10
ELEC 3010	Renewable Energy Systems Design	10
Select one elective		10
CIVL 4021	Sustainable Waste Engineering	10
Elective must be Level 2 or higher (an exception applies for students completing Mathematics for Engineers Preliminary subject)		
Industrial Experience		

ENGR 2033	Industrial Experience (Engineering Technologist)	0
	Credit Points	40
	Total Credit Points	240

Mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
ENGR 1018	Fundamentals of Mechanics	10
ELEC 1003	Electrical Fundamentals	10
PROC 1008	Introduction to Materials Engineering	10
Select one of the following:		10
MATH 1021	Mathematics for Engineers Preliminary	
MATH 1016	Mathematics for Engineers 1	
	Credit Points	40
Autumn session		
CIVL 2003	Fluid Mechanics	10
ENGR 1024	Introduction to Engineering Practice	10
ENGR 1050	Sustainable Engineering Fundamentals	10
Select one of the following:		10
MATH 1016	Mathematics for Engineers 1	
MATH 1019	Mathematics for Engineers 2	
	Credit Points	40
Year 2		
Spring session		
ENGR 3029	Specialisation Workshop 1	10
ENGR 2032	Sustainability Analysis and Design	10
CIVL 2018	Water Supply Systems Design	10
CIVL 3011	Hydraulics	10
	Credit Points	40
Autumn session		
ENGR 3030	Specialisation Workshop 2	10
EART 2001	Climate Change Science	10
ELEC 1006	Engineering Computing	10
ENGR 1011	Engineering Physics	10
Industrial Experience		
ENGR 2033	Industrial Experience (Engineering Technologist)	0
	Credit Points	40
Year 3		
Spring session		
ENGR 3013	Engineering Science Project 1	10
ELEC 3010	Renewable Energy Systems Design	10
Select one elective		10
CIVL 4021	Sustainable Waste Engineering	10
Electives must be Level 2 or higher (an exception applies for students completing Mathematics for Engineers Preliminary subject)		
	Credit Points	40
Autumn session		
ENGR 3014	Engineering Science Project 2	10
CIVL 4017	Surface Water Hydrology	10
ENVL 3005	Planning the City: Development, Community and Systems	10
Select one elective		10

- Elective must be Level 2 or higher (an exception applies for students completing Mathematics for Engineers Preliminary subject)

Credit Points	40
Total Credit Points	240

Major Sequence 2022-23

If you commenced in 2024 or later please refer to the Sequence 2024 tab for details.

This major is included in Bachelor of Engineering Science, Bachelor of Engineering (Honours), Bachelor of Engineering Advanced (Honours) and Bachelor of Engineering (Honours)/Bachelor of Business.

Please follow the recommended sequence for your course as noted below.

Select the link for your program below to see details of the major

Bachelor of Engineering (Honours)

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

*** All students undertaking the Bachelor of Engineering (Honours) are required to enrol in MATH 1021 Mathematics for Engineers Preliminary and undertake a readiness test at the beginning of their study.**

The readiness test will be conducted at the beginning of the first semester of enrolment and the result will be used to determine whether a student will remain in MATH 1021 Mathematics for Engineers Preliminary or be transferred by the School to MATH 1016 Mathematics for Engineers 1.

Students remaining in MATH 1021 Mathematics for Engineers Preliminary will be required to complete MATH 1016 Mathematics for Engineers 1 during second semester and will be encouraged to complete MATH 1019 Mathematics for Engineers 2 during the Summer session.

Start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
ENGR 1011	Engineering Physics	10
ENGR 1050	Sustainable Engineering Fundamentals	10
ENGR 1024	Introduction to Engineering Practice	10
Select one of the following:		10
MATH 1021	Mathematics for Engineers Preliminary	
MATH 1016	Mathematics for Engineers 1	
	Credit Points	40
Spring session		
ENGR 1018	Fundamentals of Mechanics	10
ELEC 1003	Electrical Fundamentals	10
Select one elective		10
• Elective can be any Level for Year 1 Elective		
Select one of the following:		
MATH 1016	Mathematics for Engineers 1	10

MATH 1019	Mathematics for Engineers 2	40	PROC 3008	Materials Processing and Applications	10
	Credit Points	40	ENGR 2035	Modern Digital Design and Development	10
Year 2			ENGR 3033	Digital Manufacturing and IIoT	10
Autumn session			ENGR 4039	Design for Advanced Manufacturing	10
CIVL 1001	Surveying for Engineers	10	HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10
CIVL 2003	Fluid Mechanics	10		Only three subjects may be chosen from the following	
ELEC 1006	Engineering Computing	10	CEDS 3001	Bridging the Gap: Re-engaging Indigenous Learners	10
EART 2001	Climate Change Science	10			
	Credit Points	40	PERF 2011	From Corroborees to Curtain Raisers (Day Mode)	10
Spring session			VISU 2003	From Ochre to Acrylics to New Technologies	10
CIVL 3011	Hydraulics	10	HUMN 1058	Indigenous Landscapes	10
ENGR 2032	Sustainability Analysis and Design	10	WELF 3008	Learning through Indigenous Australian Community Service (Day Mode)	10
CIVL 2018	Water Supply Systems Design	10	HUMN 2038	Pigments of the Imagination	10
Select one elective		10	HUMN 2048	Revaluing Indigenous Economics (Day Mode)	10
• Elective must be Level 2 or higher			HUMN 3070	Rethinking Research with Indigenous Australians: Independent Study Project (Day Mode)	10
	Credit Points	40	HUMN 3082	The Making of the 'Aborigines'	10
Year 3					
Autumn session					
CIVL 4017	Surface Water Hydrology	10		Alternate subjects may be used to complete one of the minors listed below.	
PROC 2003	Materials Selection and Design	10			
ENVL 3005	Planning the City: Development, Community and Systems	10		Indigenous Australian Studies, Minor (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/indigenous-australian-studies-minor/)	
One Alternate Subject		10		Materials Engineering, Minor (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/materials-engineering-minor/)	
	Credit Points	40		Advanced Manufacturing, Minor (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/advanced-manufacturing-minor/)	
Spring session					
ELEC 3010	Renewable Energy Systems Design	10			
CIVL 3019	Wastewater Systems Design	10			
CIVL 4021	Sustainable Waste Engineering	10			
One Alternate Subject		10			
Industrial Experience					
ENGR 3017	Industrial Experience (Engineering)	0			
	Credit Points	40			
Year 4					
Autumn session					
ENGR 4025	Final Year Project 1 (UG Engineering)	10		The subjects listed below count towards completion of this program for students who passed these subjects in Autumn 2022 or earlier.	
ENGR 4034	Climate Smart Engineering	10			
One Alternate Subject		10			
Select one elective		10			
• Elective subject must be Level 2 or higher					
	Credit Points	40			
Spring session					
ENGR 4035	Smart and Liveable Cities	10			
ENGR 4026	Final Year Project 2 (UG Engineering)	10			
One Alternate Subject		10			
Select one elective		10			
• Elective subjects must be Level 2 or higher					
	Credit Points	40			
	Total Credit Points	320			
Alternate Subjects					
Subject	Title	Credit Points	Autumn session	Credit Points	40
PROC 4001	Advanced Materials Topics	10	Select one of the following:		
PROC 4002	Engineering Materials from Waste	10	MATH 1016	Mathematics for Engineers 1	10
PROC 1008	Introduction to Materials Engineering	10	ENGR 1018	Fundamentals of Mechanics	10
			ELEC 1003	Electrical Fundamentals	10
			ENGR 1024	Introduction to Engineering Practice	10

			Alternate Subjects	Credit Points
	Subject	Title		
ENGR 1011	Engineering Physics	10	PROC 4001	Advanced Materials Topics
ENGR 1050	Sustainable Engineering Fundamentals	10	PROC 4002	Engineering Materials from Waste
	Credit Points	40	PROC 1008	Introduction to Materials Engineering
Year 2			PROC 3008	Materials Processing and Applications
Spring session			ENGR 2035	Modern Digital Design and Development
ENGR 2032	Sustainability Analysis and Design	10	ENGR 3033	Digital Manufacturing and IIoT
CIVL 2018	Water Supply Systems Design	10	ENGR 4039	Design for Advanced Manufacturing
CIVL 3011	Hydraulics	10	HUMN 1013	Contextualising Indigenous Australia (Day Mode)
Select one elective		10		Only three subjects may be chosen from the following
• Elective unit must be Level 2 or higher			CEDS 3001	Bridging the Gap: Re-engaging Indigenous Learners
	Credit Points	40	PERF 2011	From Corroborees to Curtain Raisers (Day Mode)
Autumn session			VISU 2003	From Ochre to Acrylics to New Technologies
CIVL 1001	Surveying for Engineers	10	HUMN 1058	Indigenous Landscapes
EART 2001	Climate Change Science	10	WELF 3008	Learning through Indigenous Australian Community Service (Day Mode)
ELEC 1006	Engineering Computing	10	HUMN 2038	Pigments of the Imagination
Select one elective		10	HUMN 2048	Revaluing Indigenous Economics (Day Mode)
• Elective unit must be Level 2 or higher			HUMN 3070	Rethinking Research with Indigenous Australians: Independent Study Project (Day Mode)
	Credit Points	40	HUMN 3082	The Making of the 'Aborigines'
Year 3				Alternate subjects may be used to complete one of the minors listed below.
Spring session				Indigenous Australian Studies, Minor (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/indigenous-australian-studies-minor/)
ELEC 3010	Renewable Energy Systems Design	10		Materials Engineering, Minor (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/materials-engineering-minor/)
CIVL 3019	Wastewater Systems Design	10		Advanced Manufacturing, Minor (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/advanced-manufacturing-minor/)
CIVL 4021	Sustainable Waste Engineering	10		
One alternate subject		10		
	Credit Points	40		
Autumn session				
CIVL 4017	Surface Water Hydrology	10		
PROC 2003	Materials Selection and Design	10		
ENVL 3005	Planning the City: Development, Community and Systems	10		
One alternate subject		10		
	Credit Points	40		
Industrial Experience				
ENGR 3017	Industrial Experience (Engineering)	0		
	Credit Points	40		
Year 4				
Spring session				
ENGR 4025	Final Year Project 1 (UG Engineering)	10		ENGR 1008 - Engineering Materials, replaced by PROC 1008 - Introduction to Materials Engineering
ENGR 4035	Smart and Liveable Cities	10		
Select one elective		10		
One alternate subject		10		
• Elective unit must be Level 2 or higher				
	Credit Points	40		
Autumn session				
ENGR 4026	Final Year Project 2 (UG Engineering)	10		CIVL 3020 Sustainable Waste Engineering, replaced by CIVL 4021 Sustainable Waste Engineering
ENGR 4034	Climate Smart Engineering	10		
Select one elective		10		
One alternate subject		10		
• Elective unit must be Level 2 or higher				
	Credit Points	40		
	Total Credit Points	320		

Bachelor of Engineering Advanced (Honours)

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

Start-year intake

Course	Title	Credit Points		
Year 1				
Autumn session				
MATH 1034	Mathematics for Engineers 1 (Advanced)	10	ENGR 4034	Climate Smart Engineering
ENGR 1024	Introduction to Engineering Practice	10	One Alternate Subject	10
ENGR 1047	Advanced Engineering Physics 1	10	Select one elective	10
ENGR 1050	Sustainable Engineering Fundamentals	10	• Elective unit must be Level 2 or higher	
	Credit Points	40		
Spring session				
MATH 1035	Mathematics for Engineers 2 (Advanced)	10	ENGR 4036	Advanced Engineering Thesis 2: Detailed Investigations
ENGR 1018	Fundamentals of Mechanics	10	ENGR 4035	Smart and Liveable Cities
ELEC 1003	Electrical Fundamentals	10	One Alternate subject	10
Select one elective		10	Select one elective	10
• Elective can be any Level for Year 1			• Elective subjects must be Level 2 or higher	
	Credit Points	40		
			Credit Points	40
			Total Credit Points	320

Alternate Subjects			
Subject	Title	Credit Points	
PROC 4001	Advanced Materials Topics	10	
PROC 4002	Engineering Materials from Waste	10	
PROC 1008	Introduction to Materials Engineering	10	
PROC 3008	Materials Processing and Applications	10	
ENGR 2035	Modern Digital Design and Development	10	
ENGR 3033	Digital Manufacturing and IIoT	10	
ENGR 4039	Design for Advanced Manufacturing	10	
HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10	
	Only three subjects may be chosen from the following		
CEDS 3001	Bridging the Gap: Re-engaging Indigenous Learners	10	
PERF 2011	From Corroborees to Curtain Raisers (Day Mode)	10	
VISU 2003	From Ochre to Acrylics to New Technologies	10	
HUMN 1058	Indigenous Landscapes	10	
WELF 3008	Learning through Indigenous Australian Community Service (Day Mode)	10	
HUMN 2038	Pigments of the Imagination	10	
HUMN 2048	Revaluing Indigenous Economics (Day Mode)	10	
HUMN 3070	Rethinking Research with Indigenous Australians: Independent Study Project (Day Mode)	10	
HUMN 3082	The Making of the 'Aborigines'	10	
	Alternate subjects may be used to complete one of the minors listed below.		
	Indigenous Australian Studies, Minor (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/indigenous-australian-studies-minor/)		
	Materials Engineering, Minor (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/materials-engineering-minor/)		
	Advanced Manufacturing, Minor (https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/advanced-manufacturing-minor/)		

Year 3			
Autumn session			
CIVL 4017	Surface Water Hydrology	10	
PROC 2003	Materials Selection and Design	10	
ENVL 3005	Planning the City: Development, Community and Systems	10	
One Alternate Subject		10	
	Credit Points	40	
Spring session			
ELEC 3010	Renewable Energy Systems Design	10	
CIVL 3019	Wastewater Systems Design	10	
CIVL 4021	Sustainable Waste Engineering	10	
One Alternate Subject		10	
	Credit Points	40	

Industrial Experience			
ENGR 3017	Industrial Experience (Engineering)	0	
	Credit Points	40	
Year 4			
Autumn session			
ENGR 4037	Advanced Engineering Thesis 1: Preliminary Investigations	10	
			The subjects listed below count towards completion of this program for students who passed these subjects in 2021 or earlier.
			MECH 4005 Advanced Engineering Thesis 1: Preliminary Investigations, replaced by ENGR 4037 Advanced Engineering Thesis 1: Preliminary Investigations

MECH 4006 Advanced Engineering Thesis 2: Detailed Investigations, replaced by ENGR 4036 Advanced Engineering Thesis 2: Detailed Investigations

The subjects listed below count towards completion of this program for students who passed these subjects in Autumn 2022 or earlier.

ENGR 1008 - Engineering Materials, replaced by PROC 1008 - Introduction to Materials Engineering

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

CIVL 3020 Sustainable Waste Engineering, replaced by CIVL 4021 Sustainable Waste Engineering

Mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
MATH 1034	Mathematics for Engineers 1 (Advanced)	10
ENGR 1018	Fundamentals of Mechanics	10
ELEC 1003	Electrical Fundamentals	10
ENGR 1024	Introduction to Engineering Practice	10
Credit Points		40
Autumn session		
MATH 1035	Mathematics for Engineers 2 (Advanced)	10
CIVL 2003	Fluid Mechanics	10
ENGR 1047	Advanced Engineering Physics 1	10
ENGR 1050	Sustainable Engineering Fundamentals	10
Credit Points		40

Year 2

Spring session		
ENGR 2032	Sustainability Analysis and Design	10
CIVL 2018	Water Supply Systems Design	10
CIVL 3011	Hydraulics	10
Select one elective		10
<ul style="list-style-type: none"> • Elective must be Level 2 or higher 		
Credit Points		40
Autumn session		
CIVL 1001	Surveying for Engineers	10
EART 2001	Climate Change Science	10
ELEC 1006	Engineering Computing	10
Select one elective		10
<ul style="list-style-type: none"> • Elective must be Level 2 or higher 		

Students who fail to maintain a minimum GPA of 5.0 at the end of completion of 160 Credit Points, and again at the completion of 200 Credit points will be automatically transferred to the B. Engineering (Honours) (3740) program.

	Credit Points	40
Year 3		
Spring session		
ELEC 3010	Renewable Energy Systems Design	10
CIVL 3019	Wastewater Systems Design	10
CIVL 4021	Sustainable Waste Engineering	10

One alternate subject		10
	Credit Points	40
Autumn session		
CIVL 4017	Surface Water Hydrology	10
PROC 2003	Materials Selection and Design	10
ENVL 3005	Planning the City: Development, Community and Systems	10
One alternate subject		10
Industrial Experience		
ENGR 3017	Industrial Experience (Engineering)	0
	Credit Points	40
Year 4		
Spring session		
ENGR 4037	Advanced Engineering Thesis 1: Preliminary Investigations	10
ENGR 4035	Smart and Liveable Cities	10
One alternate subject		10
Select one elective		10
• Elective must be Level 2 or higher		
	Credit Points	40
Autumn session		
ENGR 4036	Advanced Engineering Thesis 2: Detailed Investigations	10
ENGR 4034	Climate Smart Engineering	10
One alternate subject		10
Select one elective		10
• Elective must be Level 2 or higher		
	Credit Points	40
	Total Credit Points	320

Alternate Subjects

Subject	Title	Credit Points
PROC 4001	Advanced Materials Topics	10
PROC 4002	Engineering Materials from Waste	10
PROC 1008	Introduction to Materials Engineering	10
PROC 3008	Materials Processing and Applications	10
ENGR 2035	Modern Digital Design and Development	10
ENGR 3033	Digital Manufacturing and IIoT	10
ENGR 4039	Design for Advanced Manufacturing	10
HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10
Only three subjects may be chosen from the following		
CEDS 3001	Bridging the Gap: Re-engaging Indigenous Learners	10
PERF 2011	From Corroborees to Curtain Raisers (Day Mode)	10
VISU 2003	From Ochre to Acrylics to New Technologies	10
HUMN 1058	Indigenous Landscapes	10
WELF 3008	Learning through Indigenous Australian Community Service (Day Mode)	10
HUMN 2038	Pigments of the Imagination	10
HUMN 2048	Revaluing Indigenous Economics (Day Mode)	10
HUMN 3070	Rethinking Research with Indigenous Australians: Independent Study Project (Day Mode)	10
HUMN 3082	The Making of the 'Aborigines'	10

Alternate subjects may be used to complete one of the minors listed below.

Indigenous Australian Studies, Minor (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/indigenous-australian-studies-minor/>)
 Materials Engineering, Minor (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/materials-engineering-minor/>)
 Advanced Manufacturing, Minor (<https://hbook.westernsydney.edu.au/archives/2024-2025/majors-minors/advanced-manufacturing-minor/>)

Equivalent Subjects

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

MECH 4005 Advanced Engineering Thesis 1: Preliminary Investigations, replaced by ENGR 4037 Advanced Engineering Thesis 1: Preliminary Investigations

MECH 4006 Advanced Engineering Thesis 2: Detailed Investigations, replaced by ENGR 4036 Advanced Engineering Thesis 2: Detailed Investigations

The subjects listed below count towards completion of this program for students who passed these subjects in Autumn 2022 or earlier.

ENGR 1008 - Engineering Materials, replaced by PROC 1008 - Introduction to Materials Engineering

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

CIVL 3020 Sustainable Waste Engineering, replaced by CIVL 4021 Sustainable Waste Engineering

Bachelor of Engineering (Honours)/ Bachelor of Business (3728)

Qualification for this award requires the successful completion of 400 credit points, which include the subjects listed in the recommended sequence below.

Start-year intake

Course	Title	Credit Points	
Year 1			
Autumn session			
MATH 1016	Mathematics for Engineers 1	10	
ENGR 1011	Engineering Physics	10	
BBus Core Subject 1		10	
BBus Core Subject 2		10	
Credit Points		40	
Spring session			
MATH 1019	Mathematics for Engineers 2	10	
ENGR 1018	Fundamentals of Mechanics	10	
BBus Core Subject 3		10	
BBus Core Subject 4		10	
Credit Points		40	
Year 2			
Autumn session			
ENGR 1050	Sustainable Engineering Fundamentals	10	
BBus Professional Subject 1		10	
Credit Points		40	
Spring session			
ENGR 2032	Fluid Mechanics	10	
CIVL 2018	Water Supply Systems Design	10	
CIVL 3019	Wastewater Systems Design	10	
Credit Points		40	
Year 3			
Autumn session			
CIVL 1001	Surveying for Engineers	10	
CIVL 2003	Fluid Mechanics	10	
ELEC 1006	Engineering Computing	10	
EART 2001	Climate Change Science	10	
Credit Points		40	
Spring session			
CIVL 3011	Hydraulics	10	
ENGR 2032	Sustainability Analysis and Design	10	
CIVL 2018	Water Supply Systems Design	10	
CIVL 3019	Wastewater Systems Design	10	
Credit Points		40	
Year 4			
Autumn session			
CIVL 4017	Surface Water Hydrology	10	
ENVL 3005	Planning the City: Development, Community and Systems	10	
PROC 2003	Materials Selection and Design	10	
BBus Major Subject 4		10	
Credit Points		40	
Spring session			
ELEC 3010	Renewable Energy Systems Design	10	
BBus Major Subject 5		10	
BBus Major Subject 6		10	
BBus Major Subject 7		10	
Credit Points		40	
Year 5			
Autumn session			
ENGR 4025	Final Year Project 1 (UG Engineering)	10	
ENGR 4034	Climate Smart Engineering	10	
BBus Professional Subject 3		10	
BBus Major Subject 8		10	
Credit Points		40	
Spring session			
ENGR 4026	Final Year Project 2 (UG Engineering)	10	
ENGR 4035	Smart and Liveable Cities	10	
EART 3005	Statistical Hydrology	10	
BBus Professional Subject 4		10	
Industrial Experience			
ENGR 3017	Industrial Experience (Engineering)	0	
Credit Points		40	
Total Credit Points			400

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

CIVL 3020 Sustainable Waste Engineering, replaced by CIVL 4021 Sustainable Waste Engineering

Mid-year intake

Course	Title	Credit Points	Autumn session	Credit Points						
Year 1										
Spring session										
MATH 1016	Mathematics for Engineers 1	10	CIVL 4017	Surface Water Hydrology						
ENGR 1018	Fundamentals of Mechanics	10	ENVL 3005	Planning the City: Development, Community and Systems						
BBus Core Subject 1		10	PROC 2003	Materials Selection and Design						
BBus Core Subject 2		10	BBus Major Subject 7							
Credit Points		40	Industrial Experience							
Autumn session										
MATH 1019	Mathematics for Engineers 2	10	ENGR 3017	Industrial Experience (Engineering)						
ENGR 1011	Engineering Physics	10		0						
BBus Core Subject 3		10	Credit Points							
BBus Core Subject 4		10	40							
Credit Points		40	Year 5							
Autumn session										
ENGR 4025	Final Year Project 1 (UG Engineering)	10	ENGR 4026	Final Year Project 2 (UG Engineering)						
ENGR 4035	Smart and Liveable Cities	10	ENGR 4034	Climate Smart Engineering						
EART 3005	Statistical Hydrology	10	BBus Professional Subject 4							
BBus Professional Subject 3		10	BBus Major Subject 8							
Credit Points		40	Credit Points							
Year 2										
Spring session										
ENGR 2032	Sustainability Analysis and Design	10	Total Credit Points							
ELEC 1003	Electrical Fundamentals	10	400							
BBus Major Subject 1		10	Replaced Subjects							
BBus Major Subject 2		10	The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.							
Credit Points		40	CIVL 3020 Sustainable Waste Engineering, replaced by CIVL 4021 Sustainable Waste Engineering							
Autumn session					Bachelor of Engineering Science					
CIVL 2003	Fluid Mechanics	10	Qualification for this award requires the successful completion of 240 credit points, which include the subjects listed in the recommended sequence below.							
ENGR 1050	Sustainable Engineering Fundamentals	10	* All students undertaking the Bachelor of Engineering Science are required to enrol in MATH 1021 Mathematics for Engineers Preliminary and undertake a readiness test at the beginning of their study.							
BBus Professional Subject 1		10	The readiness test will be conducted at the beginning of the first semester of enrolment and the result will be used to determine whether a student will remain in MATH 1021 Mathematics for Engineers Preliminary or be transferred by the School to MATH 1016 Mathematics for Engineers 1.							
BBus Major Subject 3		10	Students remaining in MATH 1021 Mathematics for Engineers Preliminary will be required to complete MATH 1016 Mathematics for Engineers 1 during second semester and will be encouraged to complete MATH 1019 Mathematics for Engineers 2 during the Summer session.							
Credit Points		40	Students who finish MATH 1021 Mathematics for Engineers Preliminary will then use this subject as an elective.							
Year 3					Start-year intake					
Spring session					Course		Credit Points			
ELEC 3010	Renewable Energy Systems Design	10	Year 1		Title					
CIVL 3011	Hydraulics	10	Autumn session							
CIVL 2018	Water Supply Systems Design	10	ENGR 1011		Engineering Physics		10			
CIVL 3019	Wastewater Systems Design	10								
Credit Points		40								
Autumn session										
ELEC 1006	Engineering Computing	10								
EART 2001	Climate Change Science	10								
CIVL 1001	Surveying for Engineers	10								
BBus Professional Subject 2		10								
Credit Points		40								
Year 4										
Spring session					Autumn session					
CIVL 4021	Sustainable Waste Engineering	10	ENGR 1011		Engineering Physics		10			
BBus Major Subject 4		10								
BBus Major Subject 5		10								
BBus Major Subject 6		10								
Credit Points		40								

Mid-year intake		
Course	Title	Credit Points
Year 1		
Spring session		
Select one of the following:	Select one of the following:	10
MATH 1021 Mathematics for Engineers Preliminary	MATH 1021 Mathematics for Engineers Preliminary	
MATH 1016 Mathematics for Engineers 1	MATH 1016 Mathematics for Engineers 1	
Credit Points	40	
Spring session		
ENGR 1018 Fundamentals of Mechanics	ENGR 1018 Fundamentals of Mechanics	10
ELEC 1003 Electrical Fundamentals	ELEC 1003 Electrical Fundamentals	10
Select one elective	Select one of the following:	10
• Elective can be any Level for Year 1	MATH 1021 Mathematics for Engineers Preliminary	
• Elective can be any Level for Year 1	MATH 1016 Mathematics for Engineers 1	
Select one of the following:	ENGR 1018 Fundamentals of Mechanics	10
MATH 1016 Mathematics for Engineers 1	ELEC 1003 Electrical Fundamentals	10
MATH 1019 Mathematics for Engineers 2	ENGR 1024 Introduction to Engineering Practice	10
Credit Points	40	
Year 2		
Autumn session		
ENGR 3029 Specialisation Workshop 1	ENGR 3029 Specialisation Workshop 1	10
CIVL 2003 Fluid Mechanics	CIVL 2003 Fluid Mechanics	10
ELEC 1006 Engineering Computing	ENGR 1011 Engineering Physics	10
EART 2001 Climate Change Science	ENGR 1050 Sustainable Engineering Fundamentals	10
Credit Points	40	
Spring session		
CIVL 3011 Hydraulics	MATH 1016 Mathematics for Engineers 1	10
ENGR 2032 Sustainability Analysis and Design	MATH 1019 Mathematics for Engineers 2	10
CIVL 2018 Water Supply Systems Design	CIVL 2003 Fluid Mechanics	10
ENGR 3030 Specialisation Workshop 2	ENGR 1011 Engineering Physics	10
Credit Points	40	
Year 3		
Autumn session		
ENGR 3013 Engineering Science Project 1	ENGR 3030 Specialisation Workshop 2	10
CIVL 4017 Surface Water Hydrology	EART 2001 Climate Change Science	10
ENVL 3005 Planning the City: Development, Community and Systems	ELEC 1006 Engineering Computing	10
Select one elective	Select one elective	10
• Elective must be Level 2 or higher	• Elective must be Level 2 or higher	
Credit Points	40	
Spring session		
ENGR 3014 Engineering Science Project 2	ENGR 3033 Industrial Experience (Engineering Technologist)	0
ELEC 3010 Renewable Energy Systems Design	Credit Points	40
CIVL 3019 Wastewater Systems Design		
CIVL 4021 Sustainable Waste Engineering		
Industrial Experience		
ENGR 2033 Industrial Experience (Engineering Technologist)		
Credit Points	40	
Year 3		
Spring session		
ENGR 3013 Engineering Science Project 1	ENGR 3014 Engineering Science Project 2	10
ELEC 3010 Renewable Energy Systems Design	CIVL 4017 Surface Water Hydrology	10
CIVL 3019 Wastewater Systems Design	ENVL 3005 Planning the City: Development, Community and Systems	10
CIVL 4021 Sustainable Waste Engineering	Select one elective	10
Credit Points	40	
Autumn session		
ENGR 3014 Engineering Science Project 2	• Elective must be Level 2 or higher	
CIVL 4017 Surface Water Hydrology		
ENVL 3005 Planning the City: Development, Community and Systems		
Credit Points	40	
Replaced Subjects		
The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.		
CIVL 3020 Sustainable Waste Engineering, replaced by CIVL 4021 Sustainable Waste Engineering		
Credit Points	40	
Total Credit Points	240	
Credit Points	40	
Total Credit Points	240	

Replaced Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2023 or earlier.

CIVL 3020 Sustainable Waste Engineering, replaced by CIVL 4021
Sustainable Waste Engineering

Related Programs

Bachelor of Engineering (Honours)/Bachelor of Business (3728)
(<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-engineering-honours-bachelor-business/>)

Bachelor of Engineering (Honours) (3740) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-engineering-honours/>)

Bachelor of Engineering Advanced (Honours) (3771) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-engineering-advanced-honours/>)

Bachelor of Engineering Science (3691) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-engineering-science/>)