CIVIL ENGINEERING, TESTAMUR MAJOR (T131)

Western Sydney University Major Code: T131

Previous Code: MT3051.1

Available to students in other Western Sydney University programs?

No

Civil engineering covers the fields of structural design, geotechnical engineering and water engineering, together with infrastructure design and environmental engineering. Graduates may pursue career paths in the fields of design, construction and management of engineering structures and be associated with private industry, government departments, or in city, municipal or shire councils. These career paths may include engineering projects related to residential and commercial buildings, highways and airports, water supply and sewerage schemes, etc. This major includes a mandatory 300 to 450 hour industrial placement as a completion requirement.

Location

Campus	Mode	Advice	C
Parramatta Campus - Victoria Road	Internal	Program Advice (edbe@westernsydney.e	odu _C
Parramatta City Campus-Macquarie Street	Internal	Program Advice (edbe@westernsydney.e	C edu.a
Penrith Campus	Internal	Program Advice (edbe@westernsydney.e	du.ē
Sydney City Campus*	Internal	Peter Lendrum (https:// directory.westernsydney search/email/ p.lendrum@city.western	S

^{*} Curriculum delivered through an agreement with another party

Recommended Sequence 2022-2023

If you commenced in 2024 or later please refer to the Structure 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 Advanced (Honours)

This Major will be offered at Engineering Innovation Hub – Hassall St, Parramatta City Campus.

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 1047	Advanced Engineering Physics 1	10
ELEC 1006	Engineering Computing	10
ENGR 1024	Introduction to Engineering Practice	10
	Credit Points	40
Spring session		
MATH 1035	Mathematics for Engineers 2 (Advanced)	10
ENGR 1018	Fundamentals of Mechanics	10
PROC 1008	Introduction to Materials Engineering	10
Select one elective		10
Elective must be	Level 1 or higher	
	Credit Points	40

Year 2

Autumn session

CIVL 1001	Surveying for Engineers	10
MECH 2003	Mechanics of Materials	10
^U CIVL 2003	Fluid Mechanics	10
CIVL 2012	Soil Mechanics	10
u.au)	Credit Points	40
Spring session		
FNGR 2016	Pavement Materials and Design	10

	opining acasion		
du	ENGR 2016	Pavement Materials and Design	10
	CIVL 2007	Introduction to Structural Engineering	10
	CIVL 2002	Environmental Engineering	10
e	CIVL 3011	Hydraulics	10

Students may transfer to 3740 Bachelor of Engineering (Pexed) 3691 Bachelor of Engineering Science at the end of Year 2 of study.

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		
Autumn session		
CIVL 3014	Structural Analysis	10
CIVL 4017	Surface Water Hydrology	10
CIVL 3002	Concrete Structures (UG)	10
One Alternate su	bject	10
	Credit Points	40
Spring session		
CIVL 3012	Steel Structures	10
CIVL 3007	Engineering Geomechanics	10
ENGR 3020	Numerical Methods in Engineering	10
One Alternate su	bject	10
Industrial Experie	ence	
ENGR 3017	Industrial Experience (Engineering)	0
	Credit Points	40
Year 4		
Autumn session		
ENGR 4037	Advanced Engineering Thesis 1:	10

Preliminary Investigations

One Alternate Subject 10 Select two electives 20

· Elective subjects must be Level 2 or higher

	Credit Points	40
Spring session		
ENGR 4035	Smart and Liveable Cities	10
ENGR 4036	Advanced Engineering Thesis 2: Detailed Investigations	10
One Alternate sul	bject	10
Select one elective	ve	10
Elective subjective	ects must be Level 2 or higher	

	Credit Points	40
•	Total Credit Points	320

Alternate Subjects

Subject	Title	Credit Points
ENGR 3001	Advanced Engineering Topic 1	10
ENGR 4001	Advanced Engineering Topic 2	10
CIVL 4001	Applied Mechanics	10
CIVL 3022	Bridge Embankment Design	10
CIVL 3021	Bridge Engineering Design	10
CIVL 4002	Composite Structures	10
CIVL 3010	Highway Infrastructure	10
CIVL 3018	Hydrogeology	10
CIVL 4008	Pile Foundations	10
EART 3005	Statistical Hydrology	10
CIVL 3020	Sustainable Waste Engineering	10
CIVL 4009	Timber Structures (UG)	10
CIVL 4012	Water Resource Engineering	10
CIVL 2018	Water Supply Systems Design	10

Optional Electives

Subject	Title	Credit Points
BLDG 4006	Modern Construction Enterprises	10
BLDG 4007	Modern Construction Projects	10
students who are subject can be ta	bject is an optional elective subject offered to e engaged in a School approved project. This liken during the third year of this program, howev juired to enrol in the subject.	er,
ENGR 3022	Special Technical Project	10

Minors

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

Geotechnical, Minor (https://hbook.westernsydney.edu.au/majorsminors/geotechnical-minor/)

Structures, Minor (https://hbook.westernsydney.edu.au/majorsminors/structures-minor/)

Water and Environment, Minor (https://hbook.westernsydney.edu.au/ majors-minors/water-environment-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

Mid-year intake

Year 3

Spring session

One Alternate subject

CIVL 3012

ENGR 3020

CIVL 3011

Course	Title	Credit Points
Year 1		
Spring session		
MATH 1034	Mathematics for Engineers 1 (Advanced)	10
ENGR 1018	Fundamentals of Mechanics	10
PROC 1008	Introduction to Materials Engineering	10
ENGR 1024	Introduction to Engineering Practice	10
	Credit Points	40
Autumn session		
MATH 1035	Mathematics for Engineers 2 (Advanced)	10
MECH 2003	Mechanics of Materials	10
ENGR 1047	Advanced Engineering Physics 1	10
ELEC 1006	Engineering Computing	10
	Credit Points	40
Year 2		
Spring session		
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2002	Environmental Engineering	10
ENGR 2016	Pavement Materials and Design	10
Select one elective		10
Elective unit mu	ust be Level 2 or higher	
	Credit Points	40
Autumn session		
CIVL 3014	Structural Analysis	10
CIVL 2003	Fluid Mechanics	10
CIVL 2012	Soil Mechanics	10
select one elective		10
	fer to 3740 Bachelor of Engineering Bachelor of Engineering Science at the end	
of completion of 16	o maintain a minimum GPA of 5.0 at the end 0 Credit Points, and again at the completion will be automatically transferred to the B. urs) (3740) program	
	Credit Points	40

Steel Structures

Hydraulics

Credit Points

Numerical Methods in Engineering

10

10

10

10

40

CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations ENGR 4035 Smart and Liveable Cities 1 CIVL 3007 Engineering Geomechanics 1 One Alternate subject 1 Credit Points 4 Autumn session ENGR 4036 Advanced Engineering Thesis 2: Detailed Investigations One Alternate subject 1 Select two electives 2 • Elective unit must be Level 2 or higher		Total Credit Points	320
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations ENGR 4035 Smart and Liveable Cities 1 CIVL 3007 Engineering Geomechanics 1 One Alternate subject 1 Credit Points 4 Autumn session ENGR 4036 Advanced Engineering Thesis 2: Detailed Investigations One Alternate subject 1 Select two electives 2 Select two electives 2		Credit Points	40
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations ENGR 4035 Smart and Liveable Cities 1 CIVL 3007 Engineering Geomechanics 1 One Alternate subject 1 Credit Points 4 Autumn session ENGR 4036 Advanced Engineering Thesis 2: Detailed Investigations One Alternate subject 1 Select two electives 2 Select two electives 2	Elective unit mu	ust be Level 2 or higher	
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations ENGR 4035 Smart and Liveable Cities 1 CIVL 3007 Engineering Geomechanics 1 One Alternate subject 1 Credit Points 4 Autumn session ENGR 4036 Advanced Engineering Thesis 2: Detailed Investigations One Alternate subject 1			20
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Year 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations ENGR 4035 Smart and Liveable Cities 1 CIVL 3007 Engineering Geomechanics 1 One Alternate subject 1 Credit Points 4 Autumn session ENGR 4036 Advanced Engineering Thesis 2: Detailed Investigations	,		10
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Year 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations ENGR 4035 Smart and Liveable Cities 1 CIVL 3007 Engineering Geomechanics 1 One Alternate subject 1 Credit Points 4 Autumn session	One Alternate aubic	•	10
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Year 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations ENGR 4035 Smart and Liveable Cities 1 CIVL 3007 Engineering Geomechanics 1 One Alternate subject 1		Advanced Engineering Thesis 2: Detailed	10
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Year 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations ENGR 4035 Smart and Liveable Cities 1 CIVL 3007 Engineering Geomechanics 1		Credit Points	40
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Year 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations ENGR 4035 Smart and Liveable Cities 1	One Alternate subje	ect	10
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Year 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations ENGR 4035 Smart and Liveable Cities 1	CIVL 3007	Engineering Geomechanics	10
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Year 4 Spring session ENGR 4037 Advanced Engineering Thesis 1: 1 Preliminary Investigations		Smart and Liveable Cities	10
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4 Year 4	ENGR 4037	Preliminary Investigations	10
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points 4	Spring session		
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience ENGR 3017 Industrial Experience (Engineering)	Year 4		
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1 Industrial Experience		Credit Points	40
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1 One Alternate subject 1	ENGR 3017	Industrial Experience (Engineering)	0
CIVL 4017 Surface Water Hydrology 1 CIVL 3002 Concrete Structures (UG) 1	Industrial Experience	ce	
CIVL 4017 Surface Water Hydrology 1	One Alternate subje	ect	10
	CIVL 3002	Concrete Structures (UG)	10
or English of Englished	CIVL 4017	Surface Water Hydrology	10
CIVI 1001 Surveying for Engineers 1	CIVL 1001	Surveying for Engineers	10

Alternate Subjects

Subject	Title	Credit Points
ENGR 3001	Advanced Engineering Topic 1	10
ENGR 4001	Advanced Engineering Topic 2	10
CIVL 4001	Applied Mechanics	10
CIVL 3022	Bridge Embankment Design	10
CIVL 3021	Bridge Engineering Design	10
CIVL 4002	Composite Structures	10
CIVL 3010	Highway Infrastructure	10
CIVL 3018	Hydrogeology	10
CIVL 4008	Pile Foundations	10
EART 3005	Statistical Hydrology	10
CIVL 3020	Sustainable Waste Engineering	10
CIVL 4009	Timber Structures (UG)	10
CIVL 4012	Water Resource Engineering	10
CIVL 2018	Water Supply Systems Design	10

Optional Electives

Subject		Credit Points
BLDG 4006	Modern Construction Enterprises	10
BLDG 4007	Modern Construction Projects	10
students who are subject can be ta	oject is an optional elective subject offered to engaged in a School approved project. This ken during the third year of this program, howevouried to enrol in the subject.	er,
ENGR 3022	Special Technical Project	10

Minors

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

Geotechnical, Minor (https://hbook.westernsydney.edu.au/majors-minors/geotechnical-minor/)

Structures, Minor (https://hbook.westernsydney.edu.au/majors-minors/structures-minor/)

Water and Environment, Minor (https://hbook.westernsydney.edu.au/majors-minors/water-environment-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

Bachelor of Engineering Science

This Major will be offered at Parramatta, Penrith and Sydney City campuses.

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.

Students who finish MATH 1021 Mathematics for Engineers Preliminary will then use this subject as an elective.

Start-year intake

,		
Course	Title	Credit Points
Year 1		
Autumn session		
ELEC 1006	Engineering Computing	10
ENGR 1011	Engineering Physics	10
ENGR 1024	Introduction to Engineering Practice	10
Select one of the fo	llowing:	10
MATH 1021	Mathematics for Engineers Preliminary	
MATH 1016	Mathematics for Engineers 1	
	Credit Points	40

opring acasion	
ENGR 1018	Fundamentals of Mechanics
PROC 1008	Introduction to Materials Engineering

· Elective must be Level 2 or higher

Select one of the fo	ollowing:	10	
MATH 1016	Mathematics for Engineers 1		
MATH 1019	Mathematics for Engineers 2		
	Credit Points	40	
Year 2			

Autumn session

Spring eastion

Select one elective

CIVL 1001	Surveying for Engineers	10
MECH 2003	Mechanics of Materials	10
CIVL 2003	Fluid Mechanics	10
ENGR 3029	Specialisation Workshop 1	10
	Credit Points	40
Spring session		
ENGR 2016	Pavement Materials and Design	10
CIVL 2007	Introduction to Structural Engineering	10
CIVL 3011	Hydraulics	10
ENGR 3030	Specialisation Workshop 2	10
	Credit Points	40

Year 3 Autumn session

CIVL 3014	Structural Analysis	10
CIVL 3002	Concrete Structures (UG)	10
ENGR 3013	Engineering Science Project 1	10
CIVL 2012	Soil Mechanics	10
	Credit Points	40
Spring session		
CIVL 3012	Steel Structures	10
ENGR 3014	Engineering Science Project 2	10
CIVL 2002	Environmental Engineering	10
Select one elective		10

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

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

Optional Elective

The following subject is an optional elective unit offered to students who are engaged in a School approved project. This subject can be taken during the third year of this program, however, permission is required to enrol in the subject.

ENGR 3022 Special Technical Project

Equivalent Subjects

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

Mid-year intake

10 10

10

Mid-year inta	ke	
Course	Title	Credit Points
Year 1		
Spring session		
Select one of the f	following:	10
MATH 1021	Mathematics for Engineers Preliminary	
MATH 1016	Mathematics for Engineers 1	
ENGR 1018	Fundamentals of Mechanics	10
PROC 1008	Introduction to Materials Engineering	10
ENGR 1024	Introduction to Engineering Practice	10
Autumn session	Credit Points	40
Select one of the f	followina:	10
MATH 1019	Mathematics for Engineers 2	
MATH 1016	Mathematics for Engineers 1	
MECH 2003	Mechanics of Materials	10
ENGR 1011	Engineering Physics	10
Select one elective		10
	be Level 2 or higher	10
	Credit Points	40
Year 2		
Spring session		
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2002	Environmental Engineering	10
ENGR 2016	Pavement Materials and Design	10
ENGR 3029	Specialisation Workshop 1	10
	Credit Points	40
Autumn session		
CIVL 3014	Structural Analysis	10
ELEC 1006	Engineering Computing	10
CIVL 2003	Fluid Mechanics	10
ENGR 3030	Specialisation Workshop 2	10
	Credit Points	40
Year 3		
Spring session		
CIVL 3012	Steel Structures	10
CIVL 3011	Hydraulics	10
ENGR 3013	Engineering Science Project 1	10
Select one elective	е	10
•	must be level 2 or higher (an exception	
	ts completing Mathematics for Engineers	
Preliminary subject	<u> </u>	
	Credit Points	40
Autumn session		
CIVL 1001	Surveying for Engineers	10
CIVL 2012	Soil Mechanics	10
CIVL 3002	Concrete Structures (UG)	10
ENGR 3014	Engineering Science Project 2	10
Industrial Experie		
ENGR 2033	Industrial Experience (Engineering	0

Technologist)

Credit Points

Total Credit Points

40

240

320

Optional Elective

The following subject is an optional elective unit offered to students who are engaged in a School approved project. This subject can be taken during the third year of this program, however, permission is required to enrol in the subject.

ENGR 3022 Special Technical Project

Equivalent Subjects

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

Bachelor of Engineering (Honours)

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

Start-year intake

Course	Title	Credit Points
Year 1		
Autumn session		
ELEC 1006	Engineering Computing	10
ENGR 1011	Engineering Physics	10
ENGR 1024	Introduction to Engineering Practice	10
Select one of the fo	llowing:	10
MATH 1021	Mathematics for Engineers Preliminary	
MATH 1016	Mathematics for Engineers 1	
	Credit Points	40
Spring session		
Select one of the fo	ollowing:	10
MATH 1019	Mathematics for Engineers 2	
MATH 1016	Mathematics for Engineers 1	
ENGR 1018	Fundamentals of Mechanics	10
PROC 1008	Introduction to Materials Engineering	10
Select one elective		10
Elective unit mu	ust be Level 1 or higher	
	Credit Points	40
Year 2		
Autumn session		
CIVL 1001	Surveying for Engineers	10
MECH 2003	Mechanics of Materials	10
CIVL 2003	Fluid Mechanics	10
CIVL 2012	Soil Mechanics	10
	Credit Points	40
Spring session		
ENGR 2016	Pavement Materials and Design	10
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2002	Environmental Engineering	10
CIVL 3011	Hydraulics	10
	Credit Points	40
Year 3		
Autumn session		
CIVL 3014	Structural Analysis	10
CIVL 4017	Surface Water Hydrology	10
CIVL 3002	Concrete Structures (UG)	10

One Alternate subject		
	Credit Points	40
Spring session		
CIVL 3012	Steel Structures	10
CIVL 3007	Engineering Geomechanics	10
ENGR 3020	Numerical Methods in Engineering	10
One Alternate sub	ject	10
Industrial Experie	nce	
ENGR 3017	Industrial Experience (Engineering)	0
	Credit Points	40
Year 4		
Autumn session		
ENGR 4025	Final Year Project 1 (UG Engineering)	10
One Alternate sub	ject	10
Select two elective	es	20
*Elective subjects	must be level 2 or higher (an exception	
	its completing Mathematics for Engineers	
Preliminary subject	·	
	Credit Points	40
Spring session		
ENGR 4026	Final Year Project 2 (UG Engineering)	10
ENGR 4011	Sustainability and Risk Engineering	10
Major Alternate S	ubject	10
Select one elective	e	10
	must be level 2 or higher (an exception	
	its completing Mathematics for Engineers	
Preliminary subject		
	Credit Points	40

Alternate Subjects

Subject	Title	Credit Points
ENGR 3001	Advanced Engineering Topic 1	10
ENGR 4001	Advanced Engineering Topic 2	10
CIVL 4001	Applied Mechanics	10
CIVL 3022	Bridge Embankment Design	10
CIVL 3021	Bridge Engineering Design	10
CIVL 4002	Composite Structures	10
CIVL 3010	Highway Infrastructure	10
CIVL 3018	Hydrogeology	10
CIVL 4008	Pile Foundations	10
EART 3005	Statistical Hydrology	10
CIVL 3020	Sustainable Waste Engineering	10
CIVL 4009	Timber Structures (UG)	10
CIVL 4012	Water Resource Engineering	10
CIVL 2018	Water Supply Systems Design	10

Total Credit Points

Equivalent Subjects

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

Mid-year intake	1	
Course	Title	Credit
		Points
Year 1		
Spring session		
Select one of the fo	•	10
MATH 1021	Mathematics for Engineers Preliminary	
MATH 1016	Mathematics for Engineers 1	
ENGR 1018	Fundamentals of Mechanics	10
PROC 1008	Introduction to Materials Engineering	10
ENGR 1024	Introduction to Engineering Practice	10
	Credit Points	40
Autumn session		10
Select one of the fo	•	10
MATH 1016	Mathematics for Engineers 1	
MATH 1019	Mathematics for Engineers 2	
MECH 2003	Mechanics of Materials	10
ENGR 1011	Engineering Physics	10
ELEC 1006	Engineering Computing	10
	Credit Points	40
Year 2		
Spring session		
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2002	Environmental Engineering	10
ENGR 2016	Pavement Materials and Design	10
Select one elective		10
	nust be level 2 or higher (an exception	
Preliminary subject	s completing Mathematics for Engineers	
Tremminary Subject,	Credit Points	40
Autumn session	Great Foints	40
CIVL 3014	Structural Analysis	10
CIVL 2003	Fluid Mechanics	10
CIVL 2012	Soil Mechanics	10
select one elective (10
Select one elective (Credit Points	40
Year 3	orealt rounts	40
Spring session		
CIVL 3012	Steel Structures	10
ENGR 3020	Numerical Methods in Engineering	10
CIVL 3011	Hydraulics	10
One Alternate Subje		10
One Alternate Subje	Credit Points	40
Autumn session	orealt i onits	40
CIVL 1001	Surveying for Engineers	10
CIVL 4017	Surface Water Hydrology	10
CIVL 3002	Concrete Structures (UG)	10
One Alternate Subje		10
Industrial Experience		10
ENGR 3017	Industrial Experience (Engineering)	0
LINGIT 3017	Credit Points	40
Year 4	orealt i onits	40
Spring session ENGR 4025	Final Voor Project 1 (UC Engineering)	10
	Final Year Project 1 (UG Engineering)	
ENGR 4011 CIVL 3007	Sustainability and Risk Engineering	10
CIVE 3007	Engineering Geomechanics	10

Alternate Subject		10
	Credit Points	40
Autumn session		
ENGR 4026	Final Year Project 2 (UG Engineering)	10
Major Alternate S	Subject	10
Select two electives		20
•	ts must be level 2 or higher (an exception ents completing Mathematics for Engineers ect)	
	Credit Points	40
	Total Credit Points	320

Alternate Subj	Alternate Subjects			
Subject	Title	Credit		
		Points		
ENGR 3001	Advanced Engineering Topic 1	10		
ENGR 4001	Advanced Engineering Topic 2	10		
CIVL 4001	Applied Mechanics	10		
CIVL 3022	Bridge Embankment Design	10		
CIVL 3021	Bridge Engineering Design	10		
CIVL 4002	Composite Structures	10		
CIVL 3010	Highway Infrastructure	10		
CIVL 3018	Hydrogeology	10		
CIVL 4008	Pile Foundations	10		
EART 3005	Statistical Hydrology	10		
CIVL 3020	Sustainable Waste Engineering	10		

Equivalent Subjects

CIVL 4009

CIVL 4012

CIVL 2018

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

10

10

10

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

Timber Structures (UG)

Water Resource Engineering

Water Supply Systems Design

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 sequences below.

Start-year intake

Course	Title	Credit Points
Year 1		1 011113
Autumn session		
ENGR 1011	Engineering Physics	10
MATH 1016	Mathematics for Engineers 1	10
Business Core Subject 1		
Business Core Subject 2		10
	Credit Points	40
Spring session		
MATH 1019	Mathematics for Engineers 2	10
PROC 1008	Introduction to Materials Engineering	10
Business Core Subject 3		10
Business Core Subject 4		10
	Credit Points	40

Year 2		
Autumn session		
ELEC 1006	Engineering Computing	10
Business Profession	al Subject 1	10
Business Profession	al Subject 2	10
Business Major Subj	ect 1	10
	Credit Points	40
Spring session		
ELEC 1003	Electrical Fundamentals	10
ENGR 1018	Fundamentals of Mechanics	10
Business Major Subj	ect 2	10
Business Major Subj	ect 3	10
	Credit Points	40
Year 3		
Autumn session		
CIVL 1001	Surveying for Engineers	10
MECH 2003	Mechanics of Materials	10
CIVL 2003	Fluid Mechanics	10
CIVL 2012	Soil Mechanics	10
	Credit Points	40
Spring session		
ENGR 2016	Pavement Materials and Design	10
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2002	Environmental Engineering	10
CIVL 3011	Hydraulics	10
	Credit Points	40
Year 4		
Autumn session		
CIVL 3014	Structural Analysis	10
CIVL 3002	Concrete Structures (UG)	10
CIVL 4017	Surface Water Hydrology	10
Business Major Subj		10
0	Credit Points	40
Spring session	Ot and Others to the control of the	10
CIVL 3012	Steel Structures	10
CIVL 3007	Engineering Geomechanics	10
Business Major Subj		10
Business Major Subj		10
Industrial Experience ENGR 3017	Industrial Experience (Engineering)	0
	Credit Points	40
Year 5	orealt rolling	40
Autumn session		
Industrial Experience		
ENGR 3017	Industrial Experience (Engineering)	0
ENGR 4025	Final Year Project 1 (UG Engineering)	10
Business Profession		10
Business Major Subj		10
Business Major Subj		10
	Credit Points	40
Spring session		
ENGR 4026	Final Year Project 2 (UG Engineering)	10
ENGR 4035	Smart and Liveable Cities	10
ENGR 3020	Numerical Methods in Engineering	10

Business Professional Subject 4	10
Credit Points	40
Total Credit Points	400

Equivalent Subjects

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

Mid-year intake

Course	Title	Credit Points
Year 1		
Spring session		
MATH 1016	Mathematics for Engineers 1	10
PROC 1008	Introduction to Materials Engineering	10
Business Core Subje	ct 1	10
Business Core Subje	ct 2	10
	Credit Points	40
Autumn session		
MATH 1019	Mathematics for Engineers 2	10
ENGR 1011	Engineering Physics	10
Business Core Subje	ct 3	10
Business Core Subje	ct 4	10
	Credit Points	40
Year 2		
Spring session		
ENGR 1018	Fundamentals of Mechanics	10
Business Profession	al Subject 1	10
Business Profession	al Subject 2	10
Business Major Subj	ect 1	10
	Credit Points	40
Autumn session		
MECH 2003	Mechanics of Materials	10
CIVL 2003	Fluid Mechanics	10
Business Major Subj	ect 2	10
Business Major Subj	ect 3	10
	Credit Points	40
Year 3		
Spring session		
ENGR 2016	Pavement Materials and Design	10
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2002	Environmental Engineering	10
CIVL 3011	Hydraulics	10
	Credit Points	40
Autumn session		
CIVL 3014	Structural Analysis	10
CIVL 3002	Concrete Structures (UG)	10
CIVL 4017	Surface Water Hydrology	10
CIVL 2012	Soil Mechanics	10
	Credit Points	40
Year 4		
Spring session		
CIVL 3012	Steel Structures	10
CIVL 3007	Engineering Geomechanics	10
Business Major Subj	ect 4	10

Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session ENGR 4025 Final Year Project 1 (UG Engineering) ENGR 4011 Sustainability and Risk Engineering ENGR 3020 Numerical Methods in Engineering Business Professional Subject 3 Credit Points Autumn session ENGR 4026 Final Year Project 2 (UG Engineering) Business Professional Subject 4 Business Major Subject 7 Business Major Subject 8	-	Total Credit Points	400
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session ENGR 4025 Final Year Project 1 (UG Engineering) ENGR 4011 Sustainability and Risk Engineering ENGR 3020 Numerical Methods in Engineering Business Professional Subject 3 Credit Points Autumn session ENGR 4026 Final Year Project 2 (UG Engineering) Business Professional Subject 4 Business Major Subject 7		Credit Points	40
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session ENGR 4025 Final Year Project 1 (UG Engineering) ENGR 4011 Sustainability and Risk Engineering ENGR 3020 Numerical Methods in Engineering Business Professional Subject 3 Credit Points Autumn session ENGR 4026 Final Year Project 2 (UG Engineering) Business Professional Subject 4	Business Major S	Subject 8	10
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session ENGR 4025 Final Year Project 1 (UG Engineering) ENGR 4011 Sustainability and Risk Engineering ENGR 3020 Numerical Methods in Engineering Business Professional Subject 3 Credit Points Autumn session ENGR 4026 Final Year Project 2 (UG Engineering)	Business Major Subject 7		10
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session ENGR 4025 Final Year Project 1 (UG Engineering) ENGR 4011 Sustainability and Risk Engineering ENGR 3020 Numerical Methods in Engineering Business Professional Subject 3 Credit Points Autumn session	Business Professional Subject 4		10
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session ENGR 4025 Final Year Project 1 (UG Engineering) ENGR 4011 Sustainability and Risk Engineering ENGR 3020 Numerical Methods in Engineering Business Professional Subject 3 Credit Points	ENGR 4026	Final Year Project 2 (UG Engineering)	10
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session ENGR 4025 Final Year Project 1 (UG Engineering) ENGR 4011 Sustainability and Risk Engineering ENGR 3020 Numerical Methods in Engineering Business Professional Subject 3	Autumn session		
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session ENGR 4025 Final Year Project 1 (UG Engineering) ENGR 4011 Sustainability and Risk Engineering ENGR 3020 Numerical Methods in Engineering		Credit Points	40
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session ENGR 4025 Final Year Project 1 (UG Engineering) ENGR 4011 Sustainability and Risk Engineering	Business Profess	sional Subject 3	10
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session ENGR 4025 Final Year Project 1 (UG Engineering)	ENGR 3020	Numerical Methods in Engineering	10
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5 Spring session	ENGR 4011	Sustainability and Risk Engineering	10
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points Year 5	ENGR 4025	Final Year Project 1 (UG Engineering)	10
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering) Credit Points	Spring session		
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience ENGR 3017 Industrial Experience (Engineering)	Year 5		
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing Industrial Experience		Credit Points	40
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6 ELEC 1006 Engineering Computing	ENGR 3017	Industrial Experience (Engineering)	0
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5 Business Major Subject 6	Industrial Experie	ence	
Credit Points Autumn session CIVL 1001 Surveying for Engineers Business Major Subject 5	ELEC 1006	Engineering Computing	10
Credit Points Autumn session CIVL 1001 Surveying for Engineers	Business Major S	Subject 6	10
Credit Points Autumn session	Business Major S	Subject 5	10
Credit Points	CIVL 1001	Surveying for Engineers	10
	Autumn session		
ELEC 1003 Electrical Fundamentals		Credit Points	40
	ELEC 1003	Electrical Fundamentals	10

Equivalent Subjects

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

Major Sequence 2024

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 Advanced (Honours) (3771)

This Major will be offered at Engineering Innovation Hub which is part of Parramatta City campus.

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

Start year intake

Course	Title	Credit Points
Year 1		
Autumn session		
MATH 1034	Mathematics for Engineers 1 (Advanced)	10
ENGR 1047	Advanced Engineering Physics 1	10
ELEC 1006	Engineering Computing	10

ENGR 1024	Introduction to Engineering Practice	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
MECH 2003	Mechanics of Materials	10
CIVL 2003	Fluid Mechanics	10
CIVL 2012	Soil Mechanics	10
	Credit Points	40
Spring session		
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2002	Environmental Engineering	10
CIVL 3011	Hydraulics	10
PROC 1008	Introduction to Materials Engineering	10
•	er to 3740 Bachelor of Engineering achelor of Engineering Science at the end	
Students who fail to	maintain a minimum GPA of 5.0 at the end	

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		
Autumn session		
CIVL 3014	Structural Analysis	10
CIVL 4017	Surface Water Hydrology	10
CIVL 3002	Concrete Structures (UG)	10
Select one elective	e or Minor subject	10
	Credit Points	40
Spring session		
CIVL 3012	Steel Structures	10
CIVL 3007	Engineering Geomechanics	10
ENGR 3020	Numerical Methods in Engineering	10
ENGR 2016	Pavement Materials and Design	10
Industrial Experien	nce	
ENGR 3017	Industrial Experience (Engineering)	0
	Credit Points	40
Year 4		
Autumn session		
ENGR 4043	Advanced Engineering Thesis 1: Preliminary Investigations	20
Select one elective	e or Minor subject	10
Select one elective	e or Minor subject	10
	Credit Points	40
Spring session		
ENGR 4035	Smart and Liveable Cities	10
ENGR 4044	Advanced Engineering Thesis 2: Detailed Investigations	20

	Credit Points	40
	Total Credit Points	320
Subject	Title	Credit Points
Optional Electi	ves	
BLDG 4006	Modern Construction Enterprises	10
BLDG 4007	Modern Construction Projects	10
-	subject is an optional elective subject offered to are engaged in a School approved project.	
•	an be taken during the third year of this program, ission is required to enrol in the subject.	
ENGR 3022	Special Technical Project	10
Mid-year intake		
Course	Title	Credit Points
Year 1		
Spring session		

Mid-year inta	ke	
Course	Title	Credit Points
Year 1		· omico
Spring session		
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
	Credit Points	40
Autumn session		
MATH 1035	Mathematics for Engineers 2 (Advanced)	10
MECH 2003	Mechanics of Materials	10
ENGR 1047	Advanced Engineering Physics 1	10
ELEC 1006	Engineering Computing	10
	Credit Points	40
Year 2		
Spring session		
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2002	Environmental Engineering	10
PROC 1008	Introduction to Materials Engineering	10
Select one electiv	re or Minor subject	10
	Credit Points	40
Autumn session		
CIVL 3014	Structural Analysis	10
CIVL 2003	Fluid Mechanics	10
CIVL 2012	Soil Mechanics	10
ENGR 1024	Introduction to Engineering Practice	10
	nsfer to 3740 Bachelor of Engineering 1 Bachelor of Engineering Science at the end	
of completion of of 200 Credit poin	to maintain a minimum GPA of 5.0 at the end 160 Credit Points, and again at the completion its will be automatically transferred to the B. ours) (3740) program.	
	Credit Points	40

Engineering (Ho	nours) (3740) program.	
	Credit Points	40
Year 3		
Spring session		
CIVL 3012	Steel Structures	10
ENGR 3020	Numerical Methods in Engineering	10
CIVL 3011	Hydraulics	10
ENGR 2016	Pavement Materials and Design	10
	Credit Points	40

Autumn session		
CIVL 1001	Cumuning for Engineers	10
	Surveying for Engineers	
CIVL 4017	Surface Water Hydrology	10
CIVL 3002	Concrete Structures (UG)	10
	ve or Minor subject	10
Industrial Experi		
ENGR 3017	Industrial Experience (Engineering)	0
	Credit Points	40
Year 4		
Spring session		
ENGR 4043	Advanced Engineering Thesis 1: Preliminary Investigations	20
CIVL 3007	Engineering Geomechanics	10
ENGR 4035	Smart and Liveable Cities	10
	Credit Points	40
Autumn session		
ENGR 4044	Advanced Engineering Thesis 2: Detailed Investigations	20
Select one electi	ve or Minor subject	10
Select one electi	ve or Minor subject	10
	Credit Points	40
	Total Credit Points	320
Subject	Title	Credit Points
Optional Elective		
BLDG 4006	Modern Construction Enterprises	10
BLDG 4007	Modern Construction Projects	10
_	bject is an optional elective subject offered to e engaged in a School approved project.	
•	be taken during the third year of this program, sion is required to enrol in the subject.	
ENGR 3022	Special Technical Project	10

Bachelor of Engineering (Honours) (3740)

This Major will be offered at Engineering Innovation Hub which is part of Parramatta City campus.

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

Start year intake

	_	
Course	Title	Credit Points
Year 1		
Autumn session		
ELEC 1006	Engineering Computing	10
ENGR 1011	Engineering Physics	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
PROC 1008	Introduction to Materials Engineering	10
ELEC 1003	Electrical Fundamentals	10

Select one of the f	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
MECH 2003	Mechanics of Materials	10
CIVL 2003	Fluid Mechanics	10
CIVL 2012	Soil Mechanics	10
	Credit Points	40
Spring session		
ENGR 2016	Pavement Materials and Design	10
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2002	Environmental Engineering	10
CIVL 3011	Hydraulics	10
0172 0011	Credit Points	40
Year 3	orear romes	40
Autumn session		
CIVL 3014	Structural Analysis	10
CIVL 4017	Surface Water Hydrology	10
CIVL 4017 CIVL 3002	Concrete Structures (UG)	10
Select one elective	, ,	
Select one elective		10
Spring session	Credit Points	40
CIVL 3012	Steel Structures	10
CIVL 3007	Engineering Geomechanics	10
ENGR 3020	Numerical Methods in Engineering	10
Select one elective		10
Industrial Experier	•	10
ENGR 3017	Industrial Experience (Engineering)	0
	Credit Points	40
Year 4	orealt i onito	40
Autumn session		
ENGR 4041	Final Year Project 1 (UG Engineering)	20
BLDG 4008	Digital Construction	10
Select one elective	•	10
Select one elective	Credit Points	40
Carian acceion	Credit Pollits	40
Spring session ENGR 4042	Final Voor Broiset 2 (LIC Engineering)	
ENGR 4042 ENGR 4011	Final Year Project 2 (UG Engineering) Sustainability and Risk Engineering	10
	•	
Select one elective	Credit Points	10
		20
	Total Credit Points	300
Mid-year inta	ake	
Course	Title	Credit
Year 1		Points
Spring session		
	Fundamentals of Mechanics	10
ENGR 1018		
PROC 1008	Introduction to Materials Engineering	10
ENGR 1024	Introduction to Engineering Practice	10
Select one of the f		10
MATH 1021	Mathematics for Engineers Preliminary	

MATH 1016	Mathematics for Engineers 1	
WINTER TOTO	Credit Points	40
Autumn session	orealt i onito	40
MECH 2003	Mechanics of Materials	10
ENGR 1011	Engineering Physics	10
ELEC 1006	Engineering Computing	10
Select one of the fo		10
MATH 1016	Mathematics for Engineers 1	
MATH 1019	Mathematics for Engineers 2	
	Credit Points	40
Year 2		
Spring session		
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2002	Environmental Engineering	10
ENGR 2016	Pavement Materials and Design	10
ELEC 1003	Electrical Fundamentals	10
	Credit Points	40
Autumn session		
CIVL 3014	Structural Analysis	10
CIVL 2003	Fluid Mechanics	10
CIVL 2012	Soil Mechanics	10
CIVL 1001	Surveying for Engineers	10
	Credit Points	40
Year 3		
Spring session		
CIVL 3012	Steel Structures	10
ENGR 3020	Numerical Methods in Engineering	10
CIVL 3011	Hydraulics	10
CIVL 3007	Engineering Geomechanics	10
	Credit Points	40
Autumn session		
CIVL 4017	Surface Water Hydrology	10
CIVL 3002	Concrete Structures (UG)	10
Select one elective	or Minor subject	10
Select one elective	or Minor subject	10
Industrial Experience	ce	
ENGR 3017	Industrial Experience (Engineering)	0
	Credit Points	40
Year 4		
Spring session		
ENGR 4041	Final Year Project 1 (UG Engineering)	20
ENGR 4011	Sustainability and Risk Engineering	10
Select one elective	or Minor subject	10
	Credit Points	40
Autumn session		
ENGR 4042	Final Year Project 2 (UG Engineering)	20
BLDG 4008	Digital Construction	10
Select one elective		10
	Credit Points	40
	Total Credit Points	320

Bachelor of Engineering Science

This Major will be offered at Parramatta, Penrith and Sydney City campuses.

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

Start year intake

Course	Title	Credit Points
Year 1		
Autumn session		
ELEC 1006	Engineering Computing	10
ENGR 1011	Engineering Physics	10
ENGR 1024	Introduction to Engineering Practice	10
Select one of the fo	llowing	10
MATH 1021	Mathematics for Engineers Preliminary	
MATH 1016	Mathematics for Engineers 1	
	Credit Points	40
Spring session		
ENGR 1018	Fundamentals of Mechanics	10
PROC 1008	Introduction to Materials Engineering	10
ELEC 1003	Electrical Fundamentals	10
Select one of the fo	llowing	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
MECH 2003	Mechanics of Materials	10
CIVL 2003	Fluid Mechanics	10
ENGR 3029	Specialisation Workshop 1	10
LINGIT 3029	Credit Points	40
Spring session	Credit Follits	40
ENGR 2016	Dayamant Matariala and Dasign	10
CIVL 2007	Pavement Materials and Design	
	Introduction to Structural Engineering	10
CIVL 3011	Hydraulics	10
ENGR 3030	Specialisation Workshop 2	10
	Credit Points	40
Year 3		
Autumn session		
CIVL 3014	Structural Analysis	10
CIVL 3002	Concrete Structures (UG)	10
ENGR 3013	Engineering Science Project 1	10
CIVL 2012	Soil Mechanics	10
	Credit Points	40
Spring session		
CIVL 3012	Steel Structures	10
ENGR 3014	Engineering Science Project 2	10
Select two electives	s (Level 2 or higher)	20
	evel 2 or higher (an exception applies for ng Mathematics for Engineers Preliminary	
Industrial Experience	ce	
ENGR 2033	Industrial Experience (Engineering Technologist)	0
	Credit Points	40
	Total Credit Points	240

Subject	Title	Credit Points
Optional Elective		
	ject is an optional elective unit offered to engaged in a School approved project.	
•	be taken during the third year of this program,	
	ion is required to enrol in the subject.	10
ENGR 3022	Special Technical Project	10
Mid-year inta	ke	
Course	Title	Credit Points
Year 1		
Spring session		
ENGR 1018	Fundamentals of Mechanics	10
PROC 1008	Introduction to Materials Engineering	10
ELEC 1003	Electrical Fundamentals	10
Select one of the	•	10
MATH 1021	Mathematics for Engineers Preliminary	
MATH 1016	Mathematics for Engineers 1	
	Credit Points	40
Autumn session		
MECH 2003	Mechanics of Materials	10
ENGR 1011	Engineering Physics	10
ENGR 1024	Introduction to Engineering Practice	10
Select one of the	•	10
MATH 1016	Mathematics for Engineers 1	
MATH 1019	Mathematics for Engineers 2	
	Credit Points	40
Year 2		
Spring session		
Spring session CIVL 2007	Introduction to Structural Engineering	10
Spring session CIVL 2007 ENGR 2016	Pavement Materials and Design	10
Spring session CIVL 2007 ENGR 2016 ENGR 3029	Pavement Materials and Design Specialisation Workshop 1	10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv	Pavement Materials and Design Specialisation Workshop 1	10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception and completing Mathematics for Engineers	10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studen	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception and completing Mathematics for Engineers	10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studen	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception at s completing Mathematics for Engineers ct)	10 10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subjects	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception at s completing Mathematics for Engineers ct)	10 10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subjects	Pavement Materials and Design Specialisation Workshop 1 The series must be level 2 or higher (an exception and the completing Mathematics for Engineers and Credit Points	10 10 10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subjects Autumn session CIVL 3014	Pavement Materials and Design Specialisation Workshop 1 e smust be level 2 or higher (an exception at scompleting Mathematics for Engineers ct) Credit Points Structural Analysis	10 10 10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subjects Autumn session CIVL 3014 ELEC 1006	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception and state completing Mathematics for Engineers ct) Credit Points Structural Analysis Engineering Computing	10 10 10 10 40
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one elective subjects applies for studer Preliminary subjects Autumn session CIVL 3014 ELEC 1006 CIVL 2003	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception at s completing Mathematics for Engineers ct) Credit Points Structural Analysis Engineering Computing Fluid Mechanics	10 10 10 10 40 10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one elective subjects applies for studer Preliminary subjects Autumn session CIVL 3014 ELEC 1006 CIVL 2003	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception at s completing Mathematics for Engineers act) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2	10 10 10 10 40 10 10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subje Autumn session CIVL 3014 ELEC 1006 CIVL 2003 ENGR 3030	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception at s completing Mathematics for Engineers act) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2	10 10 10 10 40 10 10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subjects Autumn session CIVL 3014 ELEC 1006 CIVL 2003 ENGR 3030 Year 3	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception at s completing Mathematics for Engineers act) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2	10 10 10 10 40 10 10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subje Autumn session CIVL 3014 ELEC 1006 CIVL 2003 ENGR 3030 Year 3 Spring session	Pavement Materials and Design Specialisation Workshop 1 e smust be level 2 or higher (an exception at scompleting Mathematics for Engineers ct) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2 Credit Points	10 10 10 10 10 10 10 10 40
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subje Autumn session CIVL 3014 ELEC 1006 CIVL 2003 ENGR 3030 Year 3 Spring session CIVL 3012	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception at scompleting Mathematics for Engineers act) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2 Credit Points Steel Structures	10 10 10 10 40 10 10 10 40
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subje Autumn session CIVL 3014 ELEC 1006 CIVL 2003 ENGR 3030 Year 3 Spring session CIVL 3012 CIVL 3011	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception at s completing Mathematics for Engineers ct) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2 Credit Points Steel Structures Hydraulics Engineering Science Project 1	10 10 10 10 40 10 10 10 40
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subje Autumn session CIVL 3014 ELEC 1006 CIVL 2003 ENGR 3030 Year 3 Spring session CIVL 3012 CIVL 3011 ENGR 3013 Select one elective	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception at s completing Mathematics for Engineers ct) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2 Credit Points Steel Structures Hydraulics Engineering Science Project 1	10 10 10 10 10 10 10 40
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subje Autumn session CIVL 3014 ELEC 1006 CIVL 2003 ENGR 3030 Year 3 Spring session CIVL 3012 CIVL 3011 ENGR 3013 Select one elective	Pavement Materials and Design Specialisation Workshop 1 e smust be level 2 or higher (an exception at scompleting Mathematics for Engineers ct) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2 Credit Points Steel Structures Hydraulics Engineering Science Project 1 e	10 10 10 10 10 10 10 40
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subje Autumn session CIVL 3014 ELEC 1006 CIVL 2003 ENGR 3030 Year 3 Spring session CIVL 3012 CIVL 3011 ENGR 3013 Select one elective	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception ats completing Mathematics for Engineers ct) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2 Credit Points Steel Structures Hydraulics Engineering Science Project 1 e s must be level 2 or higher	10 10 10 10 10 10 10 10 10 10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subjects Autumn session CIVL 3014 ELEC 1006 CIVL 2003 ENGR 3030 Year 3 Spring session CIVL 3011 ENGR 3013 Select one electiv *Elective subjects	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception ats completing Mathematics for Engineers ct) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2 Credit Points Steel Structures Hydraulics Engineering Science Project 1 e s must be level 2 or higher	10 10 10 10 10 10 10 10 10 10 10
Spring session CIVL 2007 ENGR 2016 ENGR 3029 Select one electiv *Elective subjects applies for studer Preliminary subje Autumn session CIVL 3014 ELEC 1006 CIVL 2003 ENGR 3030 Year 3 Spring session CIVL 3012 CIVL 3011 ENGR 3013 Select one electiv *Elective subjects Autumn session	Pavement Materials and Design Specialisation Workshop 1 e s must be level 2 or higher (an exception ats completing Mathematics for Engineers ct) Credit Points Structural Analysis Engineering Computing Fluid Mechanics Specialisation Workshop 2 Credit Points Steel Structures Hydraulics Engineering Science Project 1 e s must be level 2 or higher Credit Points	10 10 10 10 10 10 10 10 10 10 10 10

ENGR 3014	Engineering Science Project 2	10
Industrial Experienc	e	
ENGR 2033	Industrial Experience (Engineering Technologist)	0
	Credit Points	40
	Total Credit Points	240
,	tle	Credit Points
Optional Elective		
,	ct is an optional elective unit offered to gaged in a School approved project.	
•	taken during the third year of this program,	

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 sequences below.

Start year intake

Course	Title	Credit Points
Year 1		
Autumn session		
MATH 1016	Mathematics for Engineers 1	10
ENGR 1011	Engineering Physics	10
ENGR 1024	Introduction to Engineering Practice	10
Business Core Sub	oject 1	10
	Credit Points	40
Spring session		
MATH 1019	Mathematics for Engineers 2	10
PROC 1008	Introduction to Materials Engineering	10
Business Core Sub	oject 2	10
Business Core Sub	oject 3	10
	Credit Points	40
Year 2		
Autumn session		
ELEC 1006	Engineering Computing	10
Business Core Sub	oject 4	10
Business Profession	onal Subject 1	10
Business Profession	onal Subject 2	10
	Credit Points	40
Spring session		
ELEC 1003	Electrical Fundamentals	10
ENGR 1018	Fundamentals of Mechanics	10
Business Major Su	ıbject 1	10
Business Major Su	bject 2	10
	Credit Points	40
Year 3		
Autumn session		
CIVL 1001	Surveying for Engineers	10
MECH 2003	Mechanics of Materials	10
CIVL 2003	Fluid Mechanics	10

Mid-vear inta		7-70
	Total Credit Points	440
240111000 1 1010001	Credit Points	40
Business Professi	•	10
Business Major Su Business Professi		10 10
Business Major St	•	10
Autumn session	disas 7	10
Year 6		
	Credit Points	40
Business Major Su		10
ENGR 4035	Smart and Liveable Cities	10
ENGR 4042	Final Year Project 2 (UG Engineering)	20
Spring session		
	Credit Points	40
Business Major Su	ubject 5	10
BLDG 4008	Digital Construction	10
ENGR 4041	Final Year Project 1 (UG Engineering)	20
Autumn session		
Year 5		
	Credit Points	40
ENGR 3017	Industrial Experience (Engineering)	0
Industrial Experier		
Business Major Su		10
ENGR 3020	Numerical Methods in Engineering	10
CIVL 3007	Engineering Geomechanics	10
CIVL 3012	Steel Structures	10
Spring session		-
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Credit Points	40
Business Major Su		10
CIVL 4017	Surface Water Hydrology	10
CIVL 3002	Concrete Structures (UG)	10
CIVL 3014	Structural Analysis	10
Autumn session		
Year 4	Cledit Folits	40
CIVE 3011	Credit Points	40
CIVL 2002 CIVL 3011	Environmental Engineering Hydraulics	10 10
CIVL 2007	Introduction to Structural Engineering	10
ENGR 2016	Pavement Materials and Design	10
Spring session	D	1.0
	Credit Points	40

Mid-year intake

u y u	1411.4	
Course	Title	Credit Points
Year 1		
Spring session		
MATH 1016	Mathematics for Engineers 1	10
ENGR 1024	Introduction to Engineering Practice	10
PROC 1008	Introduction to Materials Engineering	10
Business Core S	ubject 1	10
	Credit Points	40
Autumn session		
MATH 1019	Mathematics for Engineers 2	10
ENGR 1011	Engineering Physics	10

Business Core Subje	ect 2	10
Business Core Subje	ct 3	10
	Credit Points	40
Year 2		
Spring session		
ELEC 1003	Electrical Fundamentals	10
ENGR 1018	Fundamentals of Mechanics	10
Business Core Subje	ect 4	10
Business Major Sub	ect 1	10
	Credit Points	40
Autumn session		
MECH 2003	Mechanics of Materials	10
CIVL 2003	Fluid Mechanics	10
Business Profession		10
Business Major Sub		10
	Credit Points	40
Year 3	orealt i sinto	
Spring session		
ENGR 2016	Pavement Materials and Design	10
CIVL 2007	Introduction to Structural Engineering	10
CIVL 2007	Environmental Engineering	10
CIVL 2002		. •
CIVE 3011	Hydraulics Credit Points	10
Autumn session	Credit Points	40
	Ctwo at wal Amahaia	10
CIVL 3014	Structural Analysis	
CIVL 3002	Concrete Structures (UG)	10
CIVL 4017	Surface Water Hydrology	10
CIVL 2012	Soil Mechanics	10
	Credit Points	40
Year 4		
Year 4 Spring session	Credit Points	40
Year 4 Spring session CIVL 3012	Credit Points Steel Structures	40
Year 4 Spring session CIVL 3012 CIVL 3007	Credit Points Steel Structures Engineering Geomechanics	10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering	10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering ect 3	10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering	10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering ect 3 Credit Points	10 10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering ect 3 Credit Points Engineering Computing	10 10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Sub	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering ect 3 Credit Points	10 10 10 10 40
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering lect 3 Credit Points Engineering Computing Surveying for Engineers	10 10 10 10 40
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Sub Autumn session ELEC 1006 CIVL 1001	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering lect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2	10 10 10 10 40
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering ect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 ect 4	10 10 10 10 40 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering ect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 ect 4	10 10 10 10 40 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering lect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 lect 4	10 10 10 10 40 10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering lect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 lect 4 lect Industrial Experience (Engineering)	10 10 10 10 40 10 10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience ENGR 3017	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering lect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 lect 4 lect Industrial Experience (Engineering)	10 10 10 10 40 10 10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience ENGR 3017 Year 5	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering lect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 lect 4 lect Industrial Experience (Engineering)	10 10 10 10 40 10 10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience ENGR 3017 Year 5 Spring session	Steel Structures Engineering Geomechanics Numerical Methods in Engineering lect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 lect 4 lect 4 lect Industrial Experience (Engineering) Credit Points	10 10 10 10 40 10 10 10 10 40
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience ENGR 3017 Year 5 Spring session ENGR 4041	Steel Structures Engineering Geomechanics Numerical Methods in Engineering ect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 ect 4 e Industrial Experience (Engineering) Credit Points Final Year Project 1 (UG Engineering) Smart and Liveable Cities	10 10 10 10 40 10 10 10 10 40
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience ENGR 3017 Year 5 Spring session ENGR 4041 ENGR 4035	Steel Structures Engineering Geomechanics Numerical Methods in Engineering ect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 ect 4 e Industrial Experience (Engineering) Credit Points Final Year Project 1 (UG Engineering) Smart and Liveable Cities	10 10 10 10 40 10 10 10 10 40
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience ENGR 3017 Year 5 Spring session ENGR 4041 ENGR 4035	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering eet 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 eet 4 e Industrial Experience (Engineering) Credit Points Final Year Project 1 (UG Engineering) Smart and Liveable Cities eet 5	40 10 10 10 10 40 10 10 10 10 10 10 10 10 10 10 10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience ENGR 3017 Year 5 Spring session ENGR 4041 ENGR 4035 Business Major Subj Business Major Subj	Credit Points Steel Structures Engineering Geomechanics Numerical Methods in Engineering eet 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 eet 4 e Industrial Experience (Engineering) Credit Points Final Year Project 1 (UG Engineering) Smart and Liveable Cities eet 5	40 10 10 10 10 40 10 10 10 10 10 10 10 10 10 10 10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience ENGR 3017 Year 5 Spring session ENGR 4041 ENGR 4035 Business Major Subj Autumn session	Steel Structures Engineering Geomechanics Numerical Methods in Engineering lect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 lect 4 lect Industrial Experience (Engineering) Credit Points Final Year Project 1 (UG Engineering) Smart and Liveable Cities lect 5 Credit Points	40 10 10 10 10 10 10 10 10 10 10 10 10 10
Year 4 Spring session CIVL 3012 CIVL 3007 ENGR 3020 Business Major Subj Autumn session ELEC 1006 CIVL 1001 Business Profession Business Major Subj Industrial Experience ENGR 3017 Year 5 Spring session ENGR 4041 ENGR 4035 Business Major Subj Autumn session ENGR 4042	Steel Structures Engineering Geomechanics Numerical Methods in Engineering dect 3 Credit Points Engineering Computing Surveying for Engineers al Subject 2 dect 4 dect 1 dect 1 dect 2 dect 4 dect 1 dect 2 dect 4 dect 3 Credit Points Final Year Project 1 (UG Engineering) Smart and Liveable Cities dect 5 Credit Points Final Year Project 2 (UG Engineering) Digital Construction	40 10 10 10 10 10 10 10 10 10 10 10 10 40 20 10 40

Year 6 Spring session Business Professional Subject 3 10 Business Professional Subject 4 10 Business Major Subject 7 10 Business Major Subject 8 10 Credit Points 40 Total Credit Points 440

Related Programs

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

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