

Engineering

Bachelor of Engineering (Honours) (3707)

Civil Engineering (CVENAH)

T1 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 1	DESN1000 Engineering Design and Innovation	Term 1	ENGG2400 Mechanics of Solids	Term 1	CVEN3203 Applied Geotechnics	Term 1	CVEN4050 (6 UoC) Thesis A <u>OR</u> CVEN4951 (4 UoC) Research Thesis A
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		MATH2018 Engineering Mathematics 2D <u>OR</u> MATH2019 Mathematics 2D (2E)		CVEN3303 Steel Structures		Discipline Elective Course*
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A				CVEN3501 Water Resources Engineering		Discipline Elective Course*
Term 2	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	CVEN3304 Concrete Structures	Term 2	CVEN4051 (6 UoC) Thesis B <u>OR</u> CVEN4952 (4 UoC) Research Thesis B
	CVEN2101 Engineering Construction		CVEN2002 Engineering Computations		CVEN3401 Sustainable Transport & Highway Engineering		Discipline Elective Course*
	ENGG1300 Engineering Mechanics		CVEN2303 Structural Analysis and Modelling		CVEN3502 Water and Wastewater Engineering		General Education Course
Term 3	MATS1101 Engineering Materials and Chemistry	Term 3	ENGG2500 Fluid Mechanics for Engineers	Term 3	Free Elective Course	Term 3	Free Elective
	ENGG1811 Computing for Engineers		CVEN3202 Soil Mechanics		CVEN3101 Engineering Operations and Control		Discipline Elective Course*
			General Education Course				CVEN4953[^] Research Thesis C (4 UoC)

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999

*Students completing CVEN4951/2/3 Research Thesis will need to complete CVEN4701 as one of their Discipline Electives. This is a compulsory requirement for graduations.

[^]Only required if students have enrolled into CVEN4951 and CVEN4952. Otherwise, leave as blank.

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T2 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 2	MATH1131 Mathematics 1A	Term 2	CVEN2101 Engineering Construction	Term 2	CVEN2002 Engineering Computations	Term 2	CVEN3502 Water and Wastewater Engineering
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		CVEN2303 Structural Analysis and Modelling		CVEN3304 Concrete Structures		CVEN4051 (6 UoC) Thesis A OR CVEN4951 (4 UoC) Research Thesis A
	ENGG1811 Computing for Engineers		DESN2000 Engineering Design & Professional Practice		CVEN3401 Sustainable Transport & Highway Engineering		General Education Course
Term 3	ENGG1300 Engineering Mechanics	Term 3	ENGG2500 Fluid Mechanics for Engineers	Term 3	CVEN3101 Engineering Operations and Control	Term 3	CVEN4952 (4 UoC) Research Thesis B OR Discipline Elective Course*
	MATH1231 Mathematics 1B		MATH2018 Mathematics 2D		Discipline Elective Course*		Discipline Elective Course*
	MATS1101 Engineering Materials and Chemistry		CVEN3202 Soil Mechanics		Free Elective Course		Free Elective Course
Term 1	DESN1000 Engineering Design and Innovation	Term 1	CVEN3203 Applied Geotechnics	Term 1	CVEN3303 Steel Structures	Term 1	CVEN3501 Water Resources Engineering
	ENGG2400 Mechanics of Solids		General Education Course		CVEN4050 (6 UoC) Thesis A OR Discipline Elective Course*		Discipline Elective Course
							CVEN4953^A (4 UoC) Research Thesis C

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999

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T3 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 3	DESN1000 Engineering Design and Innovation	Term 3	ENGG2500 Fluid Mechanics for Engineers	Term 3	Discipline Elective Course*	Term 3	CVEN4951 (4 UoC) Research Thesis A [^]
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		General Education Course		Free Elective Course		Discipline Elective Course*
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		CVEN3101 Engineering Operations and Control		CVEN3202 Soil Mechanics		Discipline Elective Course*
Term 1	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B	Term 1	ENGG2400 Mechanics of Solids	Term 1	CVEN3203 Applied Geotechnics	Term 1	CVEN4050 (6 UoC) Thesis A <u>OR</u> CVEN4952 (4 UoC) Research Thesis A
	ENGG1811 Computing for Engineers		MATH2018 Engineering Mathematics 2D <u>OR</u> MATH2019 Mathematics 2D (2E)		CVEN3501 Water Resources Engineering		General Education Course
			CVEN3303 Steel Structures				Discipline Elective Course*
Term 2	ENGG1300 Engineering Mechanics	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	CVEN2303 Structural Analysis and Modelling	Term 2	CVEN4051 (6 UoC) Thesis B <u>OR</u> CVEN4953[^] (4 UoC) Research Thesis B
	CVEN2101 Engineering Construction		CVEN2002 Engineering Computations		CVEN3502 Water and Wastewater Engineering		CVEN3401 Sustainable Transport & Highway Engineering
	MATS1101 Engineering Materials and Chemistry				CVEN3304 Concrete Structures		Free Elective Course

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999

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