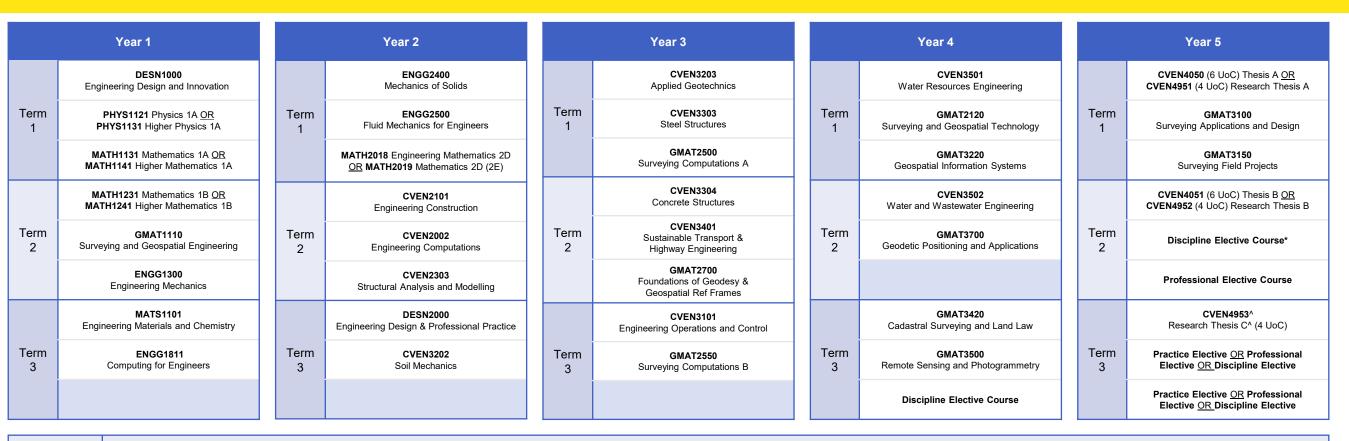
# Engineering Bachelor of Engineering (Honours) / Surveying (3776) Civil Engineering (CVENAH) / Surveying

# T1 Entry 2025 Sample Plan

NOTES





Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999

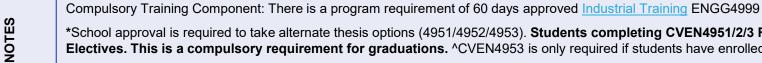
\*School approval is required to take alternate thesis options (4951/4952/4953). Students completing CVEN4951/2/3 Research Thesis will need to complete CVEN4701 as one of their Discipline Electives. This is a compulsory requirement for graduations. ^CVEN4953 is only required if students have enrolled into CVEN4951 and CVEN4952.

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

# Engineering Bachelor of Engineering (Honours) / Surveying (3776) Civil Engineering (CVENAH) / Surveying

# T2 Entry 2025 Sample Plan

Year 1		Year 2		Year 3				Year 4		Year 5		
Term 2	MATH1131 Mathematics 1A	Term 2	ENGG2400 Mechanics of Solids			CVEN2101 Engineering Construction		Term 2	CVEN3304 Concrete Structures			CVEN4050 (6 UoC) Thesis A <u>OR</u> CVEN4951 (4 UoC) Research Thesis A
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		CVEN2002 Engineering Computations		erm 2	<b>GMAT2700</b> Foundations of Geodesy & Geospatial Ref Frames			CVEN3401 Sustainable Transport & Highway Engineering	Te 2		GMAT3700 Geodetic Positioning and Applications
	GMAT1110 Surveying and Geospatial Engineering		MATH2018 Mathematics 2D						CVEN3502 Water and Wastewater Engineering			Discipline Elective Course*
Term 3	ENGG1300 Engineering Mechanics		ENGG2500 Fluid Mechanics for Engineers			CVEN3101 Engineering Operations and Control		Term 3	GMAT2120 Surveying and Geospatial Technology		Term 3	CVEN4051 (6 UoC) Thesis A <u>OR</u> CVEN4952 (4 UoC) Research Thesis B
	DESN1000 Engineering Design and Innovation	Term 3	DESN2000 Engineering Design & Professional Practice	Term 3		CVEN2303 Structural Analysis and Modelling			GMAT3420 Cadastral Surveying and Land Law			Discipline Elective Course*
	MATS1101 Engineering Materials and Chemistry		CVEN3202 Soil Mechanics			GMAT2550 Surveying Computations B			GMAT3500 Remote Sensing and Photogrammetry			Professional Elective
	ENGG1811 Computing for Engineers		CVEN3203 Applied Geotechnics			CVEN3303 Steel Structures		Term 1	GMAT3100 Surveying Applications and Design			<b>CVEN4953</b> ^ Research Thesis C^ (4 UoC)
Term 1	MATH1231 Mathematics 1B	Term 1	GMAT2500 Surveying Computations A	Te	erm 1	CVEN3501 Water Resources Engineering			GMAT3150 Surveying Field Projects	Term 1	Practice Elective <u>OR</u> Professional Elective <u>OR</u> Discipline Elective	
						GMAT3220 Geospatial Information Systems						Practice Elective <u>OR</u> Professional Elective <u>OR</u> Discipline Elective



\*School approval is required to take alternate thesis options (4951/4952/4953). 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. ^CVEN4953 is only required if students have enrolled into CVEN4951 and CVEN4952.

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.



## Engineering Bachelor of Engineering (Honours) / Surveying (3776) Civil Engineering (CVENAH) / Surveying

#### T3 Entry 2025 Sample Plan

NOTES

Year 1		Year 2		Year 3				Year 4		Year 5
Term 3	DESN1000 Engineering Design and Innovation		ENGG2500 Fluid Mechanics for Engineers		CVEN2303 Structural Analysis and Modelling		Term 3	CVEN3202 Soil Mechanics	Term 3	CVEN4050 (6 UoC) Thesis A <u>OR</u> CVEN4951 (4 UoC) Research Thesis A^
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A	Term 3	MATH2018 Engineering Mathematics 2D OR MATH2019 Mathematics 2D (2E)	Term 3	CVEN3101 Engineering Operations and Control			GMAT2120 Surveying and Geospatial Technology		GMAT3500 Remote Sensing and Photogrammetry
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		GMAT2550 Surveying Computations B					GMAT3420 Cadastral Surveying and Land Law		Discipline Elective Course*
Term 1	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B		ENGG2400 Mechanics of Solids	Term 1	CVEN3203 Applied Geotechnics		Term 1	CVEN3303 Steel Structures	Term 1	CVEN4051 (6 UoC) Thesis B <u>OR</u> CVEN4952 (4 UoC) Research Thesis A
	ENGG1811 Computing for Engineers	Term 1	DESN2000 Engineering Design & Professional Practice		CVEN3501 Water Resources Engineering			GMAT3100 Surveying Applications and Design		Discipline Elective Course
			GMAT2500 Surveying Computations A		GMAT3220 Geospatial Information Systems			GMAT3150 Surveying Field Projects		Professional Elective Course
	ENGG1300 Engineering Mechanics		CVEN2101 Engineering Construction		CVEN3502 Water and Wastewater Engineering		Term 2	CVEN3401 Sustainable Transport & Highway Engineering	Term 2	CVEN4953 (4 UoC) Research Thesis B
Term 2	GMAT1110 Surveying and Geospatial Engineering	Term 2	CVEN2002 Engineering Computations	Term 2	CVEN3304 Concrete Structures			GMAT2700 Foundations of Geodesy & Geospatial Ref Frames		Practice Elective <u>OR</u> Professional Elective <u>OR</u> Discipline Elective
	MATS1101 Engineering Materials and Chemistry				GMAT3700 Geodetic Positioning and Applications					Practice Elective <u>OR</u> Professional Elective <u>OR</u> Discipline Elective

Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999

\*School approval is required to take alternate thesis options (4951/4952/4953). 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. ^CVEN4953 is only required if students have enrolled into CVEN4951 and CVEN4952.

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

