Year 1	
Term 1	**DESN1000** Engineering Design and Innovation
	PHYS1121 Physics 1A OROR

	NOTES
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	Term 2	**CVEN2101** Engineering Construction	Term 2	**CVEN3304** Concrete Structures	Term 2	**CVEN4050** (6 UoC) Thesis A OR **CVEN4951** (4 UoC) Research Thesis A
	PHYS1121 Physics 1A OR **PHYS1131** Higher Physics 1A		**CVEN2002** Engineering Computations		**GMAT2700** Foundations of Geodesy & Geospatial Ref Frames		**CVEN3401** Sustainable Transport & Highway Engineering		**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	Term 3	**ENGG2500** Fluid Mechanics for Engineers	Term 3	**CVEN3101** Engineering Operations and Control	Term 3	**GMAT2120** Surveying and Geospatial Technology	Term 3	**CVEN4051** (6 UoC) Thesis A OR **CVEN4952** (4 UoC) Research Thesis B
	DESN1000 Engineering Design and Innovation		**DESN2000** Engineering Design & Professional Practice		**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**
Term 1	**ENGG1811** Computing for Engineers	Term 1	**CVEN3203** Applied Geotechnics	Term 1	**CVEN3303** Steel Structures	Term 1	**GMAT3100** Surveying Applications and Design	Term 1	**CVEN4953^** Research Thesis C^ (4 UoC)
	MATH1231 Mathematics 1B		**GMAT2500** Surveying Computations A		**CVEN3501** Water Resources Engineering		**GMAT3150** Surveying Field Projects		**Practice Elective OR Professional Elective OR Discipline Elective**
					GMAT3220 Geospatial Information Systems				**Practice Elective OR Professional Elective OR Discipline Elective**

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.

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Engineering

	Year 1
Term 3	**DESN1000** Engineering Design and Innovation
Term 3	**MATH1131** Mathematics 1A OR **MATH1141** Higher Mathematics 1A
Term 3	**PHYS1121** Physics 1A OR **PHYS1131** Higher Physics 1A
Term 1	**MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B
Term 1	**ENGG1811** Computing for Engineers
Term 1	
Term 2	**ENGG1300** Engineering Mechanics
Term 2	**GMAT1110** Surveying and Geospatial Engineering
Term 2	**MATS1101** Engineering Materials and Chemistry

	Year 2
Term 3	**ENGG2500** Fluid Mechanics for Engineers
Term 3	**MATH2018** Engineering Mathematics 2D OR **MATH2019** Mathematics 2D (2E)
Term 3	**GMAT2550** Surveying Computations B
Term 1	**ENGG2400** Mechanics of Solids
Term 1	**DESN2000** Engineering Design & Professional Practice
Term 1	**GMAT2500** Surveying Computations A
Term 2	**CVEN2101** Engineering Construction
Term 2	**CVEN2002** Engineering Computations

	Year 3
Term 3	**CVEN2303** Structural Analysis and Modelling
Term 3	**CVEN3101** Engineering Operations and Control
Term 3	
Term 1	**CVEN3203** Applied Geotechnics
Term 1	**CVEN3501**
Term 1	