Engineering

Bachelor of Engineering (Honours) (3707)

Surveying (GMATDH)

T1 Entry 2023 Sample Plan

	Year 1	Year 2	Year 3	Year 4
Term 1	**DESN1000** Engineering Design and Innovation	**GMAT2500** Surveying Computations A	**GMAT3100** Surveying & Application Design	**CVEN4951** **(4 UoC)**(Research) Thesis A^
	PHYS1121 OR **PHYS1131** (Higher) Physics 1A	**ENGG2500** Fluid Mechanics for Engineers	**GMAT3150** Field Projects 1	**CVEN3501** Water Resources Engineering
	MATH1131 OR **MATH1141** (Higher) Mathematics 1A	**MATH2018** OR **MATH2019** Mathematics 2D (2E)	**GMAT3220** Geospatial Information Systems	**Discipline Elective Course**
Term 2	**MATH1231** OR **MATH1241** (Higher) Mathematics 1B	**DESN2000** Engineering Design and Professional Practice	**GMAT3700** Geodetic Positioning & Applications	**GMAT4060 (6 UoC)** OR **CVEN4952** **(4 UoC)**(Research)Thesis B
	Free Elective Course	**CVEN2002** Engineering Computations	**Free Elective Course**	**Discipline Elective Course**
	GMAT1110 Surveying and Geospatial Engineering	**GMAT2700** Foundations of Geodesy & Geospatial Ref Frames		**General Education Cours**
Term 3	**General Education Course**	**GMAT2120** Surveying and Geospatial Technology	**GMAT3420** Cadastral Surveying & Land Law	**Discipline Elective Course**
	ENGG1811 Computing for Engineers	**GMAT2550** Surveying Computations B	**CVEN3101** Engineering Operations and Control	**GMAT4150** Field Projects 2
			GMAT3500 Remote Sensing & Photogram	**GMAT4061 (6 UoC)** OR **CVEN4953** **(4 UoC)**(Research)Thesis B/C^

NOTES

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

^Only required if students are choosing the Research Thesis stream. Otherwise, enrol into GMAT4060 AND GMAT4061.

Recommended Discipline Elective Courses: GMAT4400, GMAT4220.

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

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T2 Entry 2023 Sample Plan

	Year 1	Year 2	Year 3	Year 4
Term 2	**ENGG1811** Computing for Engineers	**DESN2000** Engineering Design and Professional Practice	**GMAT3700** Geodetic Positioning & Applications	**GMAT4060 (6 UoC)** OR **CVEN4951 (4 UoC)**(Research)Thesis A ^
	GMAT1110 Surveying and Geospatial Engineering	**CVEN2002** Engineering Computations	**Free Elective Course**	**Discipline Elective Course**
		GMAT2700 Foundations of Geodesy & Geospatial Ref Frames		**General Education Course**
Term 3	**DESN1000** Engineering Design and Innovation	**GMAT2120** Surveying and Geospatial Technology	**CVEN3101** Engineering Operations and Control	**GMAT4061 (6 UoC)** OR **CVEN4952 (4 UoC)**(Research)Thesis B^
	MATH1131 OR **MATH1141** (Higher) Mathematics 1A	**GMAT2550** Surveying Computations B	**GMAT3500** Remote Sensing & Photogram	**GMAT4150** Field Projects 2
	PHYS1121 OR **PHYS1131** (Higher) Physics 1A		**GMAT3420** Cadastral Surveying & Land Law	**Discipline Elective Course**
Term 1	**MATH1231** OR **MATH1241** (Higher) Mathematics 1B	**MATH2018** OR **MATH2019** Mathematics 2D (2E)	**GMAT3220** Geospatial Information Systems	**CVEN3501** Water Resources Engineering
	GMAT2500 Surveying Computations A	**ENGG2500** Fluid Mechanics for Engineers	**GMAT3150** Field Projects 1	**Discipline Elective Course**
	General Education Course	**GMAT3100** Surveying & Application Design	**Free Elective Course**	**CVEN4953 (4 UoC)**(Research) Thesis C^

NOTES

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

^Only required if students are choosing the Research Thesis stream. Otherwise, enrol into GMAT4060 AND GMAT4061.

Recommended Discipline Elective Courses: GMAT4400, GMAT4220.

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Engineering

Bachelor of Engineering (Honours) (3707)

Surveying (GMATDH)

T3 Entry 2023 Sample Plan

	Year 1	Year 2	Year 3	Year 4
Term 3	**MATH1131** OR **MATH1141** (Higher) Mathematics 1A	**GMAT2550** Surveying Computations B	**GMAT2120** Surveying and Geospatial Technology	**GMAT4061 (6 UoC)** OR **CVEN4951 (4 UoC)** (Research)Thesis B/A ^
	DESN1000 Engineering Design and Innovation	**CVEN3101** Engineering Operations and Control	**GMAT3420** Cadastral Surveying & Land Law	**GMAT4150** Field Projects 2
	PHYS1121 OR **PHYS1131** (Higher) Physics 1A	**General Education Course**	**GMAT3500** Remote Sensing & Photogram	**Free Elective Course**
Term 1	**MATH1231** OR **MATH1241** (Higher) Mathematics 1B	**GMAT2500** Surveying Computations A	**GMAT3220** Geospatial Information Systems	**CVEN4952** OR **Discipline Elective Course (4 UoC)**(Research) Thesis B^
	ENGG1811 Computing for Engineers	**MATH2018** OR **MATH2019** Mathematics 2D (2E)	**GMAT3150** Field Projects 1	**CVEN3501** Water Resources Engineering
	Free Elective Course	**ENGG2500** Fluid Mechanics for Engineers	**GMAT3100** Surveying & Application Design	**General Education Course**
Term 2	**GMAT1110** Surveying and Geospatial Engineering	**GMAT2700** Foundations of Geodesy & Geospatial Ref Frames	**GMAT3700** Geodetic Positioning & Applications	**CVEN4953 (4 UoC)**(Research) Thesis C^
	CVEN2002 Engineering Computations	**DESN2000** Engineering Design and Professional Practice	**GMAT4060 (6 UoC)** OR **Discipline Elective Course**	**Discipline Elective Course**
				Discipline Elective Course

NOTES

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

^Only required if students are choosing the Research Thesis stream. Otherwise, enrol into GMAT4060 AND GMAT4061.
Students who would like to complete GMAT4060 will need a requisite waiver to complete it at the same time as GMAT3700
Recommended Discipline Elective Courses: GMAT4400, GMAT4220.
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