Engineering

Bachelor of Engineering (Honours) (3707)

Civil Engineering (CVENAH)

T1 Entry 2023 Sample Plan

	Year 1	Year 2	Year 3	Year 4
Term 1	**DESN1000** Engineering Design and Innovation	**ENGG2400** Mechanics of Solids	**CVEN3203** Applied Geotechnics	**CVEN4050** (6 UoC) OR **CVEN4951** (4 UoC) Research Thesis A
	PHYS1121 OR **PHYS1131** (Higher) Physics 1A	**ENGG2500** Fluid Mechanics for Engineers	**CVEN3303** Steel Structures	**Discipline Elective Course***
	MATH1131 OR **MATH1141** (Higher) Mathematics 1A	**MATH2018** OR **MATH2019** Mathematics 2D (2E)	**CVEN3501** Water Resources Engineering	**Discipline Elective Course***
Term 2	**MATH1231** OR **MATH1241** (Higher) Mathematics 1B	**DESN2000** Engineering Design & Professional Practice	**CVEN3304** Concrete Structures	**CVEN4051** (6 UoC) OR **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	**General Education Course**	**Free Elective Course**	**Free Elective**
	ENGG1811 Computing for Engineers	**CVEN3202** Soil Mechanics	**CVEN3101** Engineering Operations and Control	**Discipline Elective 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. Students completing CVEN4050/1 Thesis are not required to complete CVEN4701, but may still enrol if they wish to do so.**

^Only required if students have enrolled into CVEN4951 and CVEN4952. Otherwise, leave as blank.
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) (3707)

Civil Engineering (CVENAH)

T2 Entry 2023 Sample Plan

	Year 1	Year 2	Year 3	Year 4
Term 2	**MATH1131** Mathematics 1A	**CVEN2101** Engineering Construction	**CVEN2002** Engineering Computations	**CVEN3502** Water and Wastewater Engineering
	PHYS1121 OR **PHYS1131** (Higher) Physics 1A	**CVEN2303** Structural Analysis and Modelling	**CVEN3304** Concrete Structures	**CVEN4051** (6 UoC) 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	**ENGG2500** Fluid Mechanics for Engineers	**CVEN3101** Engineering Operations and Control	**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	**CVEN3203** Applied Geotechnics	**CVEN3303** Steel Structures	**CVEN3501** Water Resources Engineering
	ENGG2400 Mechanics of Solids	**General Education Course**	**CVEN4050** **(6 UoC)** OR **Discipline Elective Course***	**Discipline Elective Course**
				CVEN4953 (4 UoC) Research Thesis C

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. Students completing CVEN4050/1 Thesis are not required to complete CVEN4701, but may still enrol if they wish to do so.**

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

Bachelor of Engineering (Honours) (3707)

Civil Engineering (CVENAH)

T3 Entry 2023 Sample Plan

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

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. Students completing CVEN4050/1 Thesis are not required to complete CVEN4701, but may still enrol if they wish to do so.**

^Only required if students want to complete Research Thesis (CVEN4951/2/3), otherwise, leave this section blank.
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