



Year 1		Year 2		Year 3		Year 4		Year 5	
Term 1	ENGG1811 Computing for Engineers	Term 1	PHYS2111 Quantum Physics	Term 1	Employability Experience Course	Term 1	CVEN3203 Applied Geotechnics and Engineering Geology	Term 1	CVEN4050* Thesis A
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		ENGG2400 Mechanics of Solids 1		Physics Elective		CVEN3303 Steel Structures		PHYS3112 Experimental and Computational Physics
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		Science Elective				CVEN3501 Water Resources Engineering		PHYS3113 Thermal Physics and Statistical Mechanics
Term 2	SCIF0000 (0 UoC) Introduction to University	Term 2	MATH2121 Theory and Applications of Differential Equations OR MATH2221 Higher Theory and Applications of Differential Equations	Term 2	CVEN2002 Civil and Environmental Engineering Computations	Term 2	CVEN3304 Concrete Structures	Term 2	CVEN4051 Thesis B
	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B		DESN2000 Engineering Design and Professional Practice		CVEN2101 Engineering Construction		CVEN3401 Sustainable Transport and Highway Engineering		PHYS3111 Quantum Mechanics
	PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B OR PHYS1241 Higher Physics 1B (Special)		PHYS2114 Electromagnetism		CVEN2303 Structural Analysis and Modelling		CVEN3502 Water and Wastewater Engineering		Discipline Elective
Term 3	MATS1101 Engineering Materials and Chemistry	Term 3	ENGG2500 Fluid Mechanics for Engineers	Term 3	CVEN3101 Engineering Operations and Control	Term 3	Discipline Elective	Term 3	Employability Experience Course
	ENGG1300 Engineering Mechanics		MATH2069 Mathematics 2A		CVEN3202 Soil Mechanics		Discipline Elective		Physics Elective
	DESN1000 Introduction to Engineering Design and Innovation				SCIF1000 Skills in Science				SCIF3010 (0 UoC) Graduation Portfolio

NOTES

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

*Students can take alternative thesis options with school approval. Please see the Handbook for available options and adjust study plan accordingly.



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Term 2	ENGG1811 Computing for Engineers	Term 2	DESN2000 Engineering Design and Professional Practice	Term 2	CVEN2002 Civil and Environmental Engineering Computations	Term 2	CVEN3304 Concrete Structures	Term 2	CVEN4051 Thesis B
	MATH1131 Mathematics 1A		PHYS2114 Electromagnetism		CVEN2101 Engineering Construction		CVEN3401 Sustainable Transport and Highway Engineering		PHYS3111 Quantum Mechanics
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		MATH2121 Theory and Applications of Differential Equations OR MATH2221 Higher Theory and Applications of Differential Equations		CVEN2303 Structural Analysis and Modelling		CVEN3502 Water and Wastewater Engineering		Physics Elective
	SCIF0000 (0 UoC) Introduction to University		MATH2069 Mathematics 2A		CVEN3101 Engineering Operations and Control		Employability Experience Course		Discipline Elective
Term 3	ENGG1300 Engineering Mechanics	Term 3	Discipline Elective	Term 3	CVEN3202 Soil Mechanics	Term 3	Discipline Elective	Term 3	Employability Experience Course
	MATS1101 Engineering Materials and Chemistry				SCIF1000 Skills in Science				Physics Elective
Term 1	PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B OR PHYS1241 Higher Physics 1B (Special)	Term 1	ENGG2400 Mechanics of Solids 1	Term 1	ENGG2500 Fluid Mechanics for Engineers	Term 1	CVEN4050* Thesis A	Term 1	PHYS3112 Experimental and Computational Physics
	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B		PHYS2111 Quantum Physics		CVEN3203 Applied Geotechnics and Engineering Geology		CVEN3303 Steel Structures		PHYS3113 Thermal Physics and Statistical Mechanics
	DESN1000 Introduction to Engineering Design and Innovation		Science Elective				CVEN3501 Water Resources Engineering		SCIF3010 (0 UoC) Graduation Portfolio

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Term 3	MATS1101 Engineering Materials and Chemistry	Term 3	MATH2069 Mathematics 2A	Term 3	ENGG2500 Fluid Mechanics for Engineers	Term 3	CVEN3202 Soil Mechanics	Term 3	Physics Elective
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		SCIF1000 Skills in Science		CVEN3101 Engineering Operations and Control		Employability Experience Course		Discipline Elective
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A				CVEN2303 Structural Analysis and Modelling		Physics Elective		Discipline Elective
Term 1	SCIF0000 (0 UoC) Introduction to University	Term 1	PHYS2111 Quantum Physics	Term 1	CVEN3501 Water Resources Engineering	Term 1	CVEN3303 Steel Structures	Term 1	CVEN4050* Thesis A
	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B		MATH2018 Engineering Mathematics 2D OR MATH2019 Engineering Mathematics 2E		Employability Experience Course		CVEN3203 Applied Geotechnics and Engineering Geology		PHYS3112 Experimental and Computational Physics
	PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B		ENGG2400 Mechanics of Solids 1						PHYS3113 Thermal Physics and Statistical Mechanics
Term 2	DESN1000 Introduction to Engineering Design and Innovation	Term 2	CVEN2002 Civil and Environmental Engineering Computations	Term 2	PHYS2114 Electromagnetism	Term 2	CVEN3502 Water and Wastewater Engineering	Term 2	CVEN4051 Thesis B
	ENGG1811 Computing for Engineers		CVEN2101 Engineering Construction		CVEN3304 Concrete Structures		PHYS3111 Quantum Mechanics		Discipline Elective
	ENGG1300 Engineering Mechanics		DESN2000 Engineering Design and Professional Practice		MATH2121 Theory and Applications of Differential Equations OR MATH2221 Higher Theory and Applications of Differential Equations		CVEN3401 Sustainable Transport and Highway Engineering		SCIF3010 (0 UoC) Graduation Portfolio

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