Engineering

Bachelor of Engineering (Honours) / Computer Science (3785)
Geoenergy and Geostorage Engineering (MEREAH) / Computer Science (COMPA1)
T1 Entry 2025 Sample Plan

	Year 1				Year 3		Year 4		Year 5
Term 1	COMP1511 Programming Fundamentals			**Term 1**	MERE3001 Formation Evaluation	**Term 1**	COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis	**Term 1**	MERE4951 Research Thesis A
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A				MINE3310 Mining Geomechanics		COMP3900 Computer Science Project		MERE5007 Geostorage Modelling
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A				MMAN2700 Thermodynamics		MERE5006 Decommissioning and Sustainab		Computing Elective
Term 2	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	**Term 2**	MERE2810 Mineral Resource Geology & Geophysics	**Term 2**	COMP2511 Object-Oriented Design and Programming	**Term 2**	MERE5004 Reservoir & Data Sci	**Term 2**	MERE4952 Research Thesis B
	COMP1531 Software Engineering Fundamentals		ENGG2400 Mechanics of Solids 1		MERE3002 Drilling Completion Engineer		Discipline Elective		MERE5008 Geostorage Project
					MERE3003 Reservoir Engineering				Discipline Elective
Term 3	DESN1000 Introduction to Engineering Design and Innovation	**Term 3**	MATH2089 Numerical Methods and Statistics	**Term 3**	MERE5003 Transient Flow Analysis	**Term 3**	COMP4920 Professional Issues and Ethics in Information Technology	**Term 3**	MERE4953 Research Thesis C
	ENGG1811 Computing for Engineers		COMP2521 Data Structures and Algorithms		Computing Elective		MERE5005 Resources Project Economics		Computing Elective
	GEOS1111 Investigating Earth and Its Evolution		DESN2000 Engineering Design and Professional Practice				Computing Elective		Computing Elective

Information is correct as of October 2024