UNSW
SYDNEY

Bachelor Engineering (Hons)/Computer Science 3785 -Geoenergy & Geostorage Eng -MEREAH- T2 2026 Start

Program: Engineering (Hons) / Comp Sci [3785]

Year 1 Term 2

Course or Activity	Prerequisites	Credits
COMP1511 Programming Fundamentals		6
MATH1131 or MATH1141		6
PHYS1121 or PHSY1131		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
DESN1000 Introduction to Engineering Design and Innovation		6
GEOS1111 Investigating Earth and Its Evolution		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
CHEM1811 Engineering Chemistry 1A		6
MATH1231 Mathematics 1B		6
COMP1521		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
COMP1531 Software Engineering Fundamentals	COMP1511	6
ENGG2400 Mechanics of Solids 1		6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
DESN2000 Engineering Design and Professional Practice	COMP2521, DESN1000, COMP1511	6
MATH2089 Numerical Methods and Statistics	MATH1231	6
MMAN2700 Thermodynamics		6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
ENGG2500 Fluid Mechanics for Engineers		6
MERE3001 Formation Evaluation	MERE2810	6

MATH2018 or MATH2019		6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
MERE2810 Mineral Resource Geology and Geophysics	GEOS1111	6
MERE3002 Drilling and Completion Engineering	MERE2810	6
MERE5004 Reservoir Characterisation and Data Science	MATH2089	6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
MERE5005 Resources Project Economics		6
Computing Electives		6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
COMP2521 Data Structures and Algorithms	COMP1511	6
MERE5006 Decommissioning and Sustainability		6
MINE3310 Mining Geomechanics	ENGG2400	6

Year 4 Term 2

Course or Activity	Prerequisites	Credits
COMP2511 Object-Oriented Design and Programming	COMP2521, COMP1531	6
MERE3003 Reservoir Engineering	MERE2810	6
Computing Electives		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
COMP3900 Computer Science Project	COMP2521, COMP1531	6
MERE5003 Transient Flow Analysis		6
Computing Electives		6

Year 5 Term 1

Course or Activity	Prerequisites	Credits
MERE5007 Geostorage Modelling		6
COMP3121 or COMP3821		6

Year 5 Term 2

Course or Activity	Prerequisites	Credits
MERE4951 Research Thesis A	MERE5004	4
MERE5008 Geostorage Project		6
Discipline (Depth) Electives		6

Year 5 Term 3

Course or Activity	Prerequisites	Credits
COMP4920 Professional Issues and Ethics in Information Technology		6
MERE4952 Research Thesis B	MERE4951	4
Computing Electives		6

Year 6 Term 1

Course or Activity	Prerequisites	Credits
ENGG4999 Industrial Training		0
MERE4953 Research Thesis C	MERE4952	4
Computing Electives		6
Discipline (Depth) Electives		6