

Bachelor Engineering (Honours) / Computer Science 3785 - Mining Engineering - MINEAH - T2 2026 Start

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

Year 1 Term 2

Course or Activity	Prerequisites	Credits
COMP1511 Programming Fundamentals		6
<i>MATH1131 or MATH1141</i>		6
<i>PHYS1121 or PHYS1131</i>		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
ENGG1300 Engineering Mechanics		6
GEOS1111 Investigating Earth and Its Evolution		6
<i>MATH1231 or MATH1241</i>		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
DESN1000 Introduction to Engineering Design and Innovation		6
<i>COMP1521</i>		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
DESN2000 Engineering Design and Professional Practice	COMP2521, DESN1000, COMP1511, CEIC2001	6
MERE2810 Mineral Resource Geology and Geophysics	GEOS1111	6
MINE2820 Minerals Processing	GEOS1111	6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
COMP1531 Software Engineering Fundamentals	COMP1511	6
<i>MATH2018 or MATH2019</i>		6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
CEIC2001 Fluid and Particle Mechanics		6
MINE3220 Resource Estimation	DESN2000	6

MINE3430 Mining Systems	DESN2000	6
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Year 3 Term 2

Course or Activity	Prerequisites	Credits
ENGG2400 Mechanics of Solids 1	ENGG1300	6
MINE3230 Mine Planning	MINE3220, MINE3430	6
MINE3910 Socio-Environmental Aspects of Mining	MINE3430	6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
MATH2089 Numerical Methods and Statistics		6
MINE3510 Mine Ventilation	CEIC2001	6
MINE3630 Rock Breakage	MINE3430	6

Year 4 Term 1

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

Year 4 Term 2

Course or Activity	Prerequisites	Credits
COMP2511 Object-Oriented Design and Programming	COMP2521, COMP1531	6
MINE4710 Mine Management	MINE3430	6
<i>Computing Electives</i>		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
COMP3900 Computer Science Project	COMP2521, COMP1531	6
<i>Computing Electives</i>		6

Year 5 Term 1

Course or Activity	Prerequisites	Credits
MINE4250 Mine Design and Feasibility Project	MINE3230	6
MINE4310 Mine Geotechnical Engineering	MINE3310	6
<i>COMP3121 or COMP3821</i>		6

Year 5 Term 2

Course or Activity	Prerequisites	Credits
MERE4951 Research Thesis A	MINE3430	4
<i>Computing Electives</i>		6
<i>Discipline (Depth) Electives List</i>		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
<i>Computing Electives</i>		6

Year 6 Term 1

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