

|        |                                                                                   | Year 2                                                          |                                        | Year 3                                                   |                                                                 | Year 4                                       |                                              |
|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Term 1 | <b>PHYS1121</b> Physics 1A <u>OR</u><br><b>PHYS1131</b> Higher Physics 1A         | <b>ENGG2400</b><br>Mechanics of Solids 1                        | <b>MINE3220</b><br>Resource Estimation | Term 1                                                   | <b>MINE3310</b><br>Mining Geomechanics                          | Term 1                                       | <b>MERE4951</b> (4 UoC)<br>Research Thesis A |
|        | <b>MATH1131</b> Mathematics 1A <u>OR</u><br><b>MATH1141</b> Higher Mathematics 1A | <b>CEIC2001</b><br>Fluid and Particle Mechanics                 | <b>MINE3430</b><br>Mining Systems      |                                                          | <b>MINE4250</b><br>Hardrock Mine Design and Feasibility Project |                                              |                                              |
|        | <b>ENGG1811</b><br>Computing for Engineers                                        | <b>MATH2089</b><br>Numerical Methods and Statistics             | <b>MINE3230</b><br>Mine Planning       |                                                          | <b>MINE4310</b><br>Mine Geotechnical Engineering                |                                              |                                              |
| Term 2 | <b>MATH1231</b> Mathematics 1B <u>OR</u><br><b>MATH1241</b> Higher Mathematics 1B | <b>MERE2810</b><br>Mineral Resource Geology & Geophysics        | Term 2                                 | <b>MINE3910</b><br>Socio-Environmental Aspects of Mining | Term 2                                                          | <b>MERE4952</b> (4 UoC)<br>Research Thesis B |                                              |
|        | <b>ENGG1300</b><br>Engineering Mechanics                                          | <b>General Education Course</b>                                 |                                        | <b>Discipline Elective Course</b>                        |                                                                 | <b>MINE4710</b><br>Mine Management           |                                              |
|        | <b>GEOS1111</b><br>Investigating Earth and Its Evolution                          | <b>MATH2018</b><br>Engineering Mathematics 2D                   |                                        | <b>General Education Course</b>                          |                                                                 |                                              |                                              |
| Term 3 | <b>Free Elective Course</b>                                                       | <b>DESN2000</b><br>Engineering Design and Professional Practice | Term 3                                 | <b>MINE3510</b><br>Mine Ventilation                      | Term 3                                                          | <b>MERE4953</b> (4 UoC)<br>Research Thesis C |                                              |
|        |                                                                                   | <b>MINE2820</b><br>Minerals Processing                          |                                        | <b>MINE3630</b><br>Rock Breakage                         |                                                                 | <b>Discipline Elective Course</b>            |                                              |
|        |                                                                                   |                                                                 |                                        |                                                          |                                                                 | <b>Free Elective Course</b>                  |                                              |

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

**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)

## Mining Engineering (MINEAH)

### T2 Entry 2024 Sample Plan



| Year 1 |                                                                                   | Year 2 |                                                                 | Year 3 |                                                          | Year 4 |                                                                 |
|--------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------|--------|----------------------------------------------------------|--------|-----------------------------------------------------------------|
| Term 2 | <b>PHYS1121</b> Physics 1A <b>OR</b><br><b>PHYS1131</b> Higher Physics 1A         | Term 2 | <b>ENGG2400</b><br>Mechanics of Solids 1                        | Term 2 | <b>MINE3230</b><br>Mine Planning                         | Term 2 | <b>MERE4951</b> (4 UoC)<br>Research Thesis A                    |
|        | <b>MATH1131</b><br>Mathematics 1A                                                 |        | <b>MERE2810</b><br>Mineral Resource Geology & Geophysics        |        | <b>MINE3910</b><br>Socio-Environmental Aspects of Mining |        | <b>MINE4710</b><br>Mine Management                              |
|        | <b>ENGG1811</b><br>Computing for Engineers                                        |        | <b>MATH2018</b><br>Engineering Mathematics 2D                   |        | <b>General Education Course</b>                          |        | <b>General Education Course</b>                                 |
| Term 3 | <b>DESN1000</b><br>Engineering Design and Innovation                              | Term 3 | <b>DESN2000</b><br>Engineering Design and Professional Practice | Term 3 | <b>MINE3510</b><br>Mine Ventilation                      | Term 3 | <b>MERE4952</b> (4 UoC)<br>Research Thesis B                    |
|        | <b>ENGG1300</b><br>Engineering Mechanics                                          |        | <b>MINE2820</b><br>Minerals Processing                          |        | <b>MINE3630</b><br>Rock Breakage                         |        | <b>Discipline Elective Course</b>                               |
|        | <b>GEOS1111</b><br>Investigating Earth and Its Evolution                          |        |                                                                 |        | <b>MATH2089</b><br>Numerical Methods and Statistics      |        | <b>Free Elective Course</b>                                     |
| Term 1 | <b>MATH1231</b> Mathematics 1B <b>OR</b><br><b>MATH1241</b> Higher Mathematics 1B | Term 1 | <b>CEIC2001</b><br>Fluid and Particle Mechanics                 | Term 1 | <b>MINE3310</b><br>Mining Geomechanics                   | Term 1 | <b>MERE4953</b> (4 UoC)<br>Research Thesis C                    |
|        | <b>Free Elective Course</b>                                                       |        | <b>MINE3220</b><br>Resource Estimation                          |        | <b>Discipline Elective Course</b>                        |        | <b>MINE4250</b><br>Hardrock Mine Design and Feasibility Project |
|        |                                                                                   |        | <b>MINE3430</b><br>Mining Systems                               |        |                                                          |        | <b>MINE4310</b><br>Mine Geotechnical Engineering                |

#### NOTES

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