### Engineering

# Bachelor of Engineering (Honours) (3707) <u>Petroleum Engineering (PETRAH)</u> T1 Entry 2023 Sample Plan



| Year 1    |  | Year 2    |  | Year 3    |   | Year 4    |  |
|-----------|--|-----------|--|-----------|---|-----------|--|
| Term<br>1 | DESN1000<br>Engineering Design and Innovation          | Term<br>1 | CEIC2001<br>Materials and Energy System  | Term<br>1 | <b>PTRL3015</b><br>Well Drilling Equipment and Operations | Term<br>1 | PTRL4012<br>Petroleum Productive Engineering |
|           | PHYS1121 <u>OR</u> PHYS1131<br>(Higher)<br>Physics 1A  |           | MATH2018 Engineering Mathematics 2D<br>OR MATH2019 Engineering Mathematics<br>2E |           | PTRL3025<br>Petroleum Economics                           |           | PTRL4020<br>Natural Gas Engineering          |
|           | MATH1131 <u>OR</u> MATH1141 (Higher)<br>Mathematics 1A |           |  |           | Discipline Elective Course                                |           | MERE4951<br>Research Thesis A                |
| Term<br>2 | ENGG1811<br>Computing for Engineers                    | Term<br>2 | <b>MERE2001</b><br>Sedimentary and Energy Resource<br>Geology                    | Term<br>2 | PTRL3030<br>Reservoir Characterisation                    | Term<br>2 | PTRL4021<br>Petroleum Production Engineering |
|           | MATH1231 <u>OR</u> MATH1241 (Higher)<br>Mathematics 1A |           | MERE2002<br>Seismic Imaging  |           | PTRL3001<br>Reservoir Engineering B                       |           | PTRL4017<br>Well Technology                  |
|           | General Education Course                               |           | Free Elective Course   |           | PTRL2020<br>Petrophysics                                  |           | MERE4952<br>Research Thesis B                |
| Term<br>3 | MATS1101<br>Engineering Materials and Chemistry        | Term<br>3 | PTRL2019<br>Reservoir Engineering A  | Term<br>3 | PTRL3040<br>Numerical Reservoir Simulation                | Term<br>3 | Discipline Elective Course                   |
|           | General Education Course                               |           | PTRL2010<br>Business Practices in the Petroleum<br>Industry                      |           | PTRL3050<br>Well Pressure Testing                         |           | Free Elective Course                         |
|           | PTRL2020<br>Petrophysics                               |           | DESN2000<br>Engineering Design and Professional<br>Practice                      |           |   |           | MERE4953<br>Research Thesis C                |

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999

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### Engineering

NOTES

## Bachelor of Engineering (Honours) (3707) Petroleum Engineering (PETRAH) T2 Entry 2023 Sample Plan



| Year 1    |  | Year 2    |   | Year 3    |  | Year 4    |  |
|-----------|--|-----------|---|-----------|--|-----------|--|
|           | ENGG1811<br>Computing for Engineers  | Term<br>2 | MERE2001<br>Sedimentary and Energy Resource<br>Geology      | Term<br>2 | PTRL3030<br>Reservoir Characterisation       | Term<br>2 | PTRL4021<br>Petroleum Production Engineering |
| Term<br>2 | PHYS1121 <u>OR</u> PHYS1131<br>(Higher)<br>Physics 1A                            |           | MERE2002<br>Seismic Imaging                                 |           | PTRL3001<br>Reservoir Engineering B          |           | PTRL4017<br>Well Technology                  |
|           | MATH1131<br>Mathematics 1A   |           | General Education Course                                    |           | PTRL2020<br>Petrophysics                     |           | MERE4951 Research Thesis A                   |
|           | DESN1000<br>Engineering Design and Innovation                                    | Term<br>3 | PTRL2019<br>Reservoir Engineering A                         | Term<br>3 | PTRL3040<br>Numerical Reservoir Simulation   | Term<br>3 | Discipline Elective Course                   |
| Term<br>3 | MATS1101<br>Engineering Materials and Chemistry                                  |           | PTRL2010<br>Business Practices in the Petroleum<br>Industry |           | PTRL3050<br>Well Pressure Testing            |           | Free Elective Course                         |
|           | MATH1231<br>Mathematics 1B   |           | DESN2000<br>Engineering Design and Professional<br>Practice |           | Discipline Elective Course                   |           | MERE4952<br>Research Thesis B                |
|           | MATH2018 Engineering Mathematics 2D<br>OR MATH2019 Engineering Mathematics<br>2E | Term<br>1 | PTRL3015<br>Well Drilling Equipment and Operations          | Term<br>1 | PTRL4012<br>Petroleum Productive Engineering | Term<br>1 | General Education Course                     |
| Term<br>1 | CEIC2001<br>Materials and Energy System  |           | PTRL3025<br>Petroleum Economics                             |           | PTRL4020<br>Natural Gas Engineering          |           | MERE4953<br>Research Thesis C                |
|           |  |           |   |           |  |           | Free Elective Course                         |

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### Engineering

# Bachelor of Engineering (Honours) (3707) Petroleum Engineering (PETRAH) T3 Entry 2023 Sample Plan



| Year 1    |  | Year 2    |  | Year 3    |   | Year 4    |                               |
|-----------|--|-----------|--|-----------|---|-----------|-------------------------------|
| Term<br>3 | MATS1101<br>Engineering Materials and Chemistry        | Term<br>3 | PTRL2010<br>Business Practices in the Petroleum<br>Industry                      | Term<br>3 | PTRL3040<br>Numerical Reservoir Simulation                  | Term<br>3 | General Education Course      |
|           | PHYS1121 <u>OR</u> PHYS1131<br>(Higher)<br>Physics 1A  |           | PTRL2019<br>Reservoir Engineering A  |           | PTRL3050<br>Well Pressure Testing                           |           | Discipline Elective Course    |
|           | MATH1131 <u>OR</u> MATH1141 (Higher)<br>Mathematics 1A |           |  |           | DESN2000<br>Engineering Design and Professional<br>Practice |           | MERE4951<br>Research Thesis A |
| Term<br>1 | MATH1231 <u>OR</u> MATH1241 (Higher)<br>Mathematics 1A | Term<br>1 | MATH2018 Engineering Mathematics 2D<br>OR MATH2019 Engineering Mathematics<br>2E | Term<br>1 | PTRL4020<br>Natural Gas Engineering                         | Term<br>1 | Discipline Elective Course    |
|           | DESN1000<br>Engineering Design and Innovation          |           | CEIC2001<br>Materials and Energy System  |           | PTRL3025<br>Petroleum Economics                             |           | Free Elective Course          |
|           |  |           | PTRL3015<br>Well Drilling Equipment and Operations                               |           | PTRL4012<br>Petroleum Productive Engineering                |           | MERE4952<br>Research Thesis B |
| Term<br>2 | ENGG1811<br>Computing for Engineers                    | Term<br>2 | PTRL3001<br>Reservoir Engineering B  | Term<br>2 | PTRL4017<br>Well Technology                                 | Term<br>2 | General Education Course      |
|           | MERE2001<br>Sedimentary and Energy Resource<br>Geology |           | PTRL3030<br>Reservoir Characterisation   |           | PTRL4021<br>Petroleum Production Engineering                |           | Free Elective Course          |
|           | MERE2002<br>Seismic Imaging                            |           | PTRL2020<br>Petrophysics   |           |   |           | MERE4953<br>Research Thesis C |

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