

Bachelor of Engineering (Honours) (Petroleum) with Bachelor of Science – Semester 1 Start

| Year 1 | | | | |
|--|--|---|---|---|
| S 1 | MATHS 1011 Mathematics IA <input type="checkbox"/> | ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/> | PETROENG 1005 Introduction to Petroleum Geosciences & the Oil Industry <input type="checkbox"/> | CEME 1004 Engineering Mechanics-Statics <input type="checkbox"/> |
| S 2 | MATHS 1012 Mathematics IB <input type="checkbox"/> | ▲ ENG 1001 Introduction to Engineering <input type="checkbox"/> | PETROENG 1006 Introduction to Petroleum Engineering <input type="checkbox"/> | Level I Science Elective <input type="checkbox"/> |
| Year 2 | | | | |
| S 1 | MATHS 2106 Differential Equations for Engineers <input type="checkbox"/> | PETROENG 2005 Sedimentology & Stratigraphy for Petrol Engineers <input type="checkbox"/> | PETROENG 2010 Drilling Engineering <input type="checkbox"/> | Level I Science Elective <input type="checkbox"/> |
| S 2 | MATHS 2107 Statistics and Numerical Methods <input type="checkbox"/> | PETROENG 2009 Formation Evaluation, Petrophysics & Rock Properties <input type="checkbox"/> | PETROENG 2001 Reservoir Thermodynamics & Fluid Properties <input type="checkbox"/> | GEOLOGY 2504 Economic and Mine Geology <input type="checkbox"/> |
| Year 3 | | | | |
| S 1 | PETROENG 3025 Reservoir Engineering <input type="checkbox"/> | PETROENG 3026 Formation Damage & Productivity Enhancement <input type="checkbox"/> | Level II Science Elective <input type="checkbox"/> | Level II Science Elective <input type="checkbox"/> |
| S 2 | ENG 3005 Research Methods & Project Management <input type="checkbox"/> | PETROENG 3020 Production Engineering <input type="checkbox"/> | Level II Science Elective <input type="checkbox"/> | Level III Science Elective <input type="checkbox"/> |
| Internship | | | | |
| All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note on page 2. | | | | |
| Year 4 | | | | |
| S 1 | ENG 3004 Systems Engineering and Industry Practice <input type="checkbox"/> | PETROENG 3005 Reservoir Characterisation & Modelling <input type="checkbox"/> | Level III Science Elective <input type="checkbox"/> | Level III Science Elective <input type="checkbox"/> |
| S 2 | PETROENG 3001 Reservoir Simulation <u>or</u> PETROENG 3023 Well Completion and Simulation <u>or</u> PETROENG 2019 Structural Geology and Seismic Methods <input type="checkbox"/> | Level III Science Elective <input type="checkbox"/> | Level III Science Elective <input type="checkbox"/> | Level III Science Elective <input type="checkbox"/> |
| Year 5 | | | | |
| S 1 | ENG 4001A Research Project Part A <input type="checkbox"/> | PETROENG 4033 Integrated Reservoir & Project Management <input type="checkbox"/> | PETROENG 4027 Decision Making & Risk Analysis <input type="checkbox"/> | PETROENG 4012 Well Testing & Pressure Transient Analysis <input type="checkbox"/> |



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|--------------|---|---|--|--|
| S 2 | ENG 4001B Research Project Part B <input type="checkbox"/> | PETROENG 4022 Integrated Field Development & Economics Project <input type="checkbox"/> | PETROENG 4034 Petroleum Business & Project Economics <input type="checkbox"/> | PETROENG 4037 Unconventional Resources and Recovery <input type="checkbox"/> |
| Core Courses | | Double Degree Courses | | |

NOTES

[^]EAL: Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering

Internship: The 8 weeks of internship must be supervised by a qualified engineer and may be completed in one placement or a series of placements. The Faculty recommends students undertake internships upon commencement of third year engineering courses. Internships are self-sourced and resources are available through [Careers Service](#). Register with CareerHub to access a database where opportunities are posted.

Program Rules: For academic program rules please refer to the following website:
<https://calendar.adelaide.edu.au/faculty/ecms>

Sciences: Science Electives may be chosen from courses listed in the Program Rules for the degree of Bachelor of Science. Students must complete a major in accordance with the Program Rules for the Bachelor of Science.

Information and Enrolment Advice:

Ask ECMS

Email: askecms@adelaide.edu.au

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>