

Bachelor of Engineering (Honours) (Petroleum) and Bachelor of Science

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 Method & 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 (6 units) of internship during the course of their studies – see note below.				
Year 4				
S 1	ENG 3004 Interdisciplinary Professional Practice <input type="checkbox"/>	PETROENG 3005 Reservoir Characterisation and Modelling <input type="checkbox"/>	Level III Science Elective <input type="checkbox"/>	Level III Science Elective <input type="checkbox"/>
S 2	PETROENG 3001 Reservoir Simulation <b>or</b> PETROENG 3023 Well Completion and Simulation <b>or</b> 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"/>

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Year 5				
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	PETRENG 4033 Integrated Reservoir Management <input type="checkbox"/>	PETROENG 4027 Decision Making & Risk Analysis <input type="checkbox"/>	PETROENG 4012 Well Testing & Pressure Transient Analysis <input type="checkbox"/>
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"/>

### 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. Enrolment into 6 unit internship course opens from S1 2021. 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>

### Information and Enrolment Advice:

Ask ECMS

Email: [askecms@adelaide.edu.au](mailto:askecms@adelaide.edu.au)

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