

2017 STUDY PLAN

FOR ADVANCED STANDING - OFFICE USE ONLY								
<input checked="" type="checkbox"/> Please mark the box to indicate advanced standing granted (use CONDITIONAL to denote conditional advanced standing)								
Unspecified Elective Credit:	Level 1:	units	Level 2:	units	Level 3:	units	Level 4:	units
Student ID Number:			Student Name:			Date: 6/12/16		
Assessor Name:			Advanced Standing Granted: units			Remaining Program Duration: 5 years		
Applicant's Previous Institution:			Applicant's Previous Qualification:					
Assessor's Comments:								

This study plan should be used to guide enrolment for the current academic year. Some students may need to modify their enrolment based on previous study (e.g. students granted advanced standing/credit, students repeating previously failed courses).

BACHELOR OF ENGINEERING (HONOURS) (PETROLEUM AND CHEMICAL)

LEVEL 1	S1	CHEM 1100 Chemistry IA (3 units) <input type="checkbox"/>	PETROENG 1005 Introduction to Petroleum Geosciences & the Oil Industry (3 units) <input type="checkbox"/>	MATHS 1011 Mathematics IA (3 units)# <input type="checkbox"/>	CHEM ENG 1007 Introduction to Process Engineering (3 units) <input type="checkbox"/>
	S2	PETROENG 1006 Introduction to Petroleum Engineering (3 units) <input type="checkbox"/>	CHEM 1200 Chemistry IB (3 units) <input type="checkbox"/>	MATHS 1012 Mathematics IB (3 units) <input type="checkbox"/>	COMP SCI 1201 Introduction to Programming for Engineers (3 units) <input type="checkbox"/>
LEVEL 2	S1	CHEM ENG 2018 Process Fluid Mechanics (3 units) <input type="checkbox"/>	MATHS 2201 Engineering Mathematics IIA (3 units) <input type="checkbox"/>	CHEM ENG 2010 Principles of Process Engineering (3 units) <input type="checkbox"/>	PETROENG 2010 Drilling Engineering (3 units) <input type="checkbox"/>
	S2	CHEM ENG 2011 Process Engineering Thermodynamics (3 units) <input type="checkbox"/>	MATHS 2104 Numerical Methods II(3 units) <input type="checkbox"/>	PETROENG 2009 Formation Evaluation, Petrophysics & Rock Properties (3 units) <input type="checkbox"/>	CHEM ENG 2014 Heat & Mass Transfer (3 units) <input type="checkbox"/>
LEVEL 3	S1	CHEM ENG 3035 Multi-Phase Fluid & Particle Mechanics (3 units) <input type="checkbox"/>	CHEM ENG 3034 Kinetics & Reactor Design (3 units) <input type="checkbox"/>	PETROENG 3005 Reservoir Characterisation & Modelling (3 units) <input type="checkbox"/>	PETROENG 3025 Reservoir Engineering (3 units) <input type="checkbox"/>
	S2	PETROENG 3001 Reservoir Simulation (3 units) <input type="checkbox"/>	PETROENG 3020 Production Engineering (3 units) <input type="checkbox"/>	CHEM ENG 3030 Simulation & Concept Design (3 units) <input type="checkbox"/>	CHEM ENG 3031 Process Control & Instrumentation (3 units) <input type="checkbox"/>
LEVEL 4	S1	CHEM ENG 3024 Professional Practice III (3 units) <input type="checkbox"/>	Chemical or Petroleum Elective (3 units) <input type="checkbox"/>	Chemical Elective (3 units)* <input type="checkbox"/>	CHEM ENG 4050 Advanced Chemical Engineering (3 units) <input type="checkbox"/>

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	S2	CHEM ENG 4014 Plant Design Project (6 units) <input type="checkbox"/>		Chemical Elective (3 units)* <input type="checkbox"/>	CHEM ENG 3033 Separation Processes (3 units) <input type="checkbox"/>
LEVEL 5	S1	PETROENG 4004A Petroleum Engineering Honours Project Part 1 (3 units) <input type="checkbox"/>	PETROENG 4027 Decision Making & Risk Analysis (3 units) <input type="checkbox"/>	PETROENG 4035 Reservoirs Resources & Reserves (3 units) <input type="checkbox"/>	Chemical or Petroleum Elective (3 units) <input type="checkbox"/>
	S2	PETROENG 4004B Petroleum Engineering Honours Project Part 2 (3 units) <input type="checkbox"/>	PETROENG 4022 Integrated Field Development & Economics Project (3 units) <input type="checkbox"/>	PETROENG 4034 Petroleum Business & Project Economics (3 units) <input type="checkbox"/>	PETROENG 4037 Unconventional Resources & Recovery (3 units) <input type="checkbox"/>

CHOOSE FROM THE FOLLOWING PETROLEUM ENGINEERING ELECTIVES

SEMESTER 1	PETROENG 4033 Integrated Reservoir & Project Management IV (3 units) <input type="checkbox"/>	PETROENG 3026 Formation Damage & Productivity Enhancement (3 units) <input type="checkbox"/>	PETROENG 3007 Well Testing & Pressure Transient Analysis (3 units) <input type="checkbox"/>	<input type="checkbox"/>
SEMESTER 2	<input type="checkbox"/>	PETROENG 3023 Well Completion & Stimulation (3 units) <input type="checkbox"/>	PETROENG 3019 Structural Geology & Seismic Methods (3 units) <input type="checkbox"/>	<input type="checkbox"/>

CHOOSE FROM THE FOLLOWING CHEMICAL ENGINEERING ELECTIVES

SEMESTER 1	CHEM ENG 4053 Pinch Analysis & Process Synthesis (3 units) <input type="checkbox"/>	CHEM ENG 4052 Food Process Engineering (3 units) <input type="checkbox"/> ^NOT OFFERED IN 2017	CHEM ENG 4056 Research Practice (3 units) <input type="checkbox"/>	<input type="checkbox"/>
SEMESTER 2	CHEM ENG 3036 Unit Operations Laboratory (3 units) <input type="checkbox"/>	CHEM ENG 4032 Composite & Multiphase Polymers (3 units) <input type="checkbox"/> ^NOT OFFERED 2017	CHEM ENG 4054 Research Project (3 units) <input type="checkbox"/>	<input type="checkbox"/>

#Students who have not passed SACE Stage 2 Specialist Maths are required to enrol in MATHS 1013 Mathematics IM as a prerequisite to enrolling in MATHS 1011 Mathematics IA. The satisfactory completion of MATHS 1013 Mathematics IM is in addition to the normal requirements of this program. Students may manage their enrolment by enrolling in MATHS 1013 Mathematics IM in semester I, followed by MATHS 1011 Mathematics IA in semester 2, and MATHS 1012 Mathematics IB in summer school.

*Students who choose to complete a Chemical Honours Project in addition to a Petroleum Honours project must undertake both CHEM ENG 4056 Research Practice and CHEM ENG 4054 Research Project in lieu of 6 units of electives.