

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:
Student ID Number:	Student Name:			Date:	1/12/16
Assessor Name:	Advanced Standing Granted:			units	Remaining Program Duration: 4 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) (CHEMICAL AND PHARMACEUTICAL)					
YEAR 1	S1	MATHS 1011 Mathematics IA (3 units)# <input type="checkbox"/>	CHEM 1100 Chemistry IA <input type="checkbox"/> or CHEM 1101 Foundations of Chemistry IA* (3 units) <input type="checkbox"/>	CHEM ENG 1007 Introduction to Process Engineering (3 units) <input type="checkbox"/>	BIOLOGY 1101 Biology I: Molecules, Genes & Cells <input type="checkbox"/> or BIOLOGY 1401 Concepts in Biology (3 units)** <input type="checkbox"/>
	S2	MATHS 1012 Mathematics IB (3 units) <input type="checkbox"/>	CHEM 1200 Chemistry IB <input type="checkbox"/> or CHEM 1201 Foundations of Chemistry IB* (3 units) <input type="checkbox"/>	CHEM ENG 1010 Professional Practice I (3 units) <input type="checkbox"/>	BIOLOGY 1201 Biology I: Human Perspectives (3 units) <input type="checkbox"/>
YEAR 2	S1	CHEM ENG 2010 Principles of Process Engineering (3 units) <input type="checkbox"/>	CHEM ENG 2018 Process Fluid Mechanics (3 units) <input type="checkbox"/>	MATHS 2201 Engineering Mathematics IIA (3 units) <input type="checkbox"/>	CHEM 2510 Chemistry IIA <input type="checkbox"/> or CHEM 2530 Environmental & Analytical Chemistry II (3 units)*** <input type="checkbox"/>
	S2	CHEM ENG 2011 Process Engineering Thermodynamics (3 units) <input type="checkbox"/>	CHEM ENG 2012 Pharmaceutical Production Processes (3 units) <input type="checkbox"/>	CHEM ENG 2014 Heat & Mass Transfer (3 units) <input type="checkbox"/>	CHEM ENG 1011 Introduction to Process Modelling (3 units) <input type="checkbox"/>
YEAR 3	S1	CHEM ENG 3024 Professional Practice III (3 units) <input type="checkbox"/>	CHEM ENG 3035 Multi-Phase Fluid & Particle Mechanics (3 units) <input type="checkbox"/>	CHEM ENG 3034 Kinetics & Reactor Design (3 units) <input type="checkbox"/>	HLTH SC 2104 Essential Understanding of Disease and Treatment (3 units) <input type="checkbox"/>
	S2	CHEM ENG 3036 Unit Operations Laboratory (3 units) <input type="checkbox"/>	CHEM ENG 3030 Simulation & Concept Design (3 units) <input type="checkbox"/>	CHEM ENG 3033 Separation Processes (3 units) <input type="checkbox"/>	CHEM ENG 3031 Process Control & Instrumentation (3 units) <input type="checkbox"/>

2017 STUDY PLAN

YEAR 4	S1	CHEM ENG 4034 Professional Practice IV (3 units) <input type="checkbox"/>	CHEM ENG 4056 Research Practice (3 units) <input type="checkbox"/>	CHEM ENG 4060 Pharmaceutical Formulation and Manufacturing (3 units) <input type="checkbox"/>	CHEM ENG 3029 Materials Science & Engineering (3 units) <input type="checkbox"/>
	S2	CHEM ENG 4014 Plant Design Project (6 units) <input type="checkbox"/>		CHEM ENG 4054 Research Project (3 units) <input type="checkbox"/>	CHEM ENG 4036 Pharmaceutical Process Validation & Quality (3 units) <input type="checkbox"/>

#Students who have not passed SACE Stage 2 Specialist Maths (or equivalent) 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 1, followed by MATHS 1011 Mathematics IA in semester 2, and MATHS 1012 Mathematics IB in summer school.

* Students with a subject achievement grade of at least C+ in SACE Stage 2 Chemistry (or equivalent) must enrol in CHEM1100 Chemistry IA and CHEM 1200 Chemistry IB. All other students must enrol into CHEM 1101 Foundations of Chemistry IA and CHEM 1201 Foundations of Chemistry IB.

**Due to pre-requisite requirements, students who have not completed Year 12 SACE Stage 2 Chemistry (or have achieved lower than a C+ grade) must enrol in BIOLOGY 1401 Concepts in Biology. Students who have completed Year 12 SACE Stage 2 Chemistry (with a grade of C+ or higher) can choose to take either BIOLOGY 1101 Biology I: Molecules, Genes and Cells or BIOLOGY 1401 Concepts in Biology. Students can do either BIOLOGY 1101 or BIOLOGY 1401 in semester 1 to move onto BIOLOGY 1201 Human Perspectives in semester 2.

***Due to pre-requisite requirements, students who have undertaken and passed CHEM 1101 Foundations of Chemistry IA and CHEM 1201 Foundations of Chemistry IB are not permitted to enrol in CHEM 2510 Chemistry IIA and must enrol in CHEM 2530 Environmental & Analytical Chemistry II. Students who have undertaken and passed CHEM 1100 Chemistry IA and 1200 Chemistry IB have the option of enrolling either CHEM 2510 Chemistry IIA or CHEM 2530 Environmental & Analytical Chemistry II.

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BACHELOR OF ENGINEERING (HONOURS) (CHEMICAL AND PHARMACEUTICAL) – Semester 2 Start					
YEAR 1	S 2	MATHS 1011 Mathematics IA (3 units)# <input type="checkbox"/>	CHEM 1200 Chemistry IB <input type="checkbox"/> or CHEM 1201 Foundations of Chemistry IB* (3 units) <input type="checkbox"/>	CHEM ENG 1010 Professional Practice I (3 units) <input type="checkbox"/>	BIOLOGY 1201 Biology I: Human Perspectives (3 units) <input type="checkbox"/>
	S 1	MATHS 1012 Mathematics IB (3 units) <input type="checkbox"/>	CHEM 1100 Chemistry IA <input type="checkbox"/> or CHEM 1101 Foundations of Chemistry IA* (3 units) <input type="checkbox"/>	CHEM ENG 1007 Introduction to Process Engineering (3 units) <input type="checkbox"/>	BIOLOGY 1101 Biology I: Molecules, Genes & Cells <input type="checkbox"/> or BIOLOGY 1401 Concepts in Biology (3 units)** <input type="checkbox"/>
YEAR 2	S 2	CHEM ENG 2011 Process Engineering Thermodynamics (3 units) <input type="checkbox"/>	CHEM ENG 2012 Pharmaceutical Production Processes (3 units) <input type="checkbox"/>	CHEM ENG 2014 Heat & Mass Transfer (3 units) <input type="checkbox"/>	CHEM ENG 1011 Introduction to Process Modelling (3 units) <input type="checkbox"/>
	S 1	CHEM ENG 2010 Principles of Process Engineering (3 units) <input type="checkbox"/>	CHEM ENG 2018 Process Fluid Mechanics (3 units) <input type="checkbox"/>	MATHS 2201 Engineering Mathematics IIA (3 units) <input type="checkbox"/>	CHEM 2510 Chemistry IIA <input type="checkbox"/> or CHEM 2530 Environmental & Analytical Chemistry II (3 units)*** <input type="checkbox"/>
YEAR 3	S 2	CHEM ENG 3036 Unit Operations Laboratory (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"/>	CHEM ENG 3033 Separation Processes (3 units) <input type="checkbox"/>

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YEAR 4	S 1	CHEM ENG 4034 Professional Practice IV (3 units) <input type="checkbox"/>	CHEM ENG 4056 Research Practice (3 units) <input type="checkbox"/>	CHEM ENG 3034 Kinetics & Reactor Design (3 units) <input type="checkbox"/>	CHEM ENG 3024 Professional Practice III (3 units) <input type="checkbox"/>
	S 2	CHEM ENG 4014 Plant Design Project (6 units) <input type="checkbox"/>		CHEM ENG 4054 Research Project (3 units) <input type="checkbox"/>	CHEM ENG 4036 Pharmaceutical Process Validation & Quality (3 units) <input type="checkbox"/>
YEAR 5	S 1	CHEM ENG 3035 Multi-Phase Fluid & Particle Mechanics (3 units) <input type="checkbox"/>	CHEM ENG 4060 Pharmaceutical Formulation and Manufacturing (3 units) <input type="checkbox"/>	CHEM ENG 3029 Materials Science & Engineering (3 units) <input type="checkbox"/>	HLTH SC 2104 Essential Understanding of Disease and Treatment (3 units) <input type="checkbox"/>

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