

## 2017 STUDY PLAN

### FOR ADVANCED STANDING - OFFICE USE ONLY

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: 9/12/16	
Assessor Name:	Advanced Standing Granted: _____ units		Remaining Program Duration: 3 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 MATHEMATICAL AND COMPUTER SCIENCES

YEAR 1	S1	MATHS 1011 Mathematics IA (3 units)# <input type="checkbox"/>	COMP SCI 1012 Scientific Computing (3 units) <input type="checkbox"/>	Level I Elective (3 units)* <input type="checkbox"/>	Level I or II or III Elective (3 units)* <input type="checkbox"/>
	S2	MATHS 1012 Mathematics IB (3 units) <input type="checkbox"/>	Level I Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level I Elective (3 units)* <input type="checkbox"/>	Level I or II or III Elective (3 units)* <input type="checkbox"/>
YEAR 2	S1	Level II Elective (3 units)* <input type="checkbox"/>	Level II Elective (3 units)* <input type="checkbox"/>	Level II Elective (3 units)* <input type="checkbox"/>	Level I or II or III Elective (3 units)* <input type="checkbox"/>
	S2	Level II Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level II Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level II Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level II Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>
YEAR 3	S1	Level III Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level III Elective (3 units)* <input type="checkbox"/>	Level III Elective (3 units)* <input type="checkbox"/>	Level III Elective (3 units)* <input type="checkbox"/>
	S2	MATHS 3015 Communications Skills III (3 units) <input type="checkbox"/>	Level III Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level III Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level III Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>

2017 STUDY PLAN

CHOOSE FROM THE FOLLOWING ELECTIVES

Applied Mathematics Courses	APP MTH 2105 Optimisation and Operations Research II (3 units) <input type="checkbox"/>	APP MTH 3001 Applied Probability III (3 units) <input type="checkbox"/>	APP MTH 3002 Fluid Mechanics III (3 units) <input type="checkbox"/>	APP MTH 3014 Optimisation III (3 units) <input type="checkbox"/>
	APP MTH 3016 Random Processes III (3 units) <input type="checkbox"/>	APP MTH 3020 Stochastic Decision Theory III (3 units) <input type="checkbox"/>	APP MTH 3021 Modelling with Ordinary Differential Equations III (3 units) <input type="checkbox"/>	APP MTH 3022 Optimal Functions and Nanomechanics III (3 units) <input type="checkbox"/>
	APP MTH 3023 Partial Differential Equations and Waves III (3 units) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mathematical Sciences Courses	MATHS 2104 Numerical Methods II (3 units) <input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques III (3 units) <input type="checkbox"/>	MATHS 1008 Mathematics for Information Technology I (3 units) <input type="checkbox"/>	MATHS 1013 Mathematics IM (3 units) <input type="checkbox"/>
	MATHS 2100 Real Analysis II (3 units) <input type="checkbox"/>	MATHS 2101 Multivariable & Complex Calculus II (3 units) <input type="checkbox"/>	MATHS 2102 Differential Equations II (3 units) <input type="checkbox"/>	MATHS 2103 Probability & Statistics II (3 units) <input type="checkbox"/>
Pure Mathematics Courses	PURE MTH 2106 Algebra II (3 units) <input type="checkbox"/>	PURE MTH 3002 Topology and Analysis III (3 units) <input type="checkbox"/>	PURE MTH 3003 Number Theory III (3 units) <input type="checkbox"/> <b>^NOT OFFERED 2017</b>	PURE MTH 3007 Groups and Rings III (3 units) <input type="checkbox"/>
	PURE MTH 3009 Integration and Analysis III (3 units) <input type="checkbox"/>	PURE MTH 3018 Coding & Cryptology III (3 units) <input type="checkbox"/> <b>^NOT OFFERED 2017</b>	PURE MTH 3019 Complex Analysis III (3 units) <input type="checkbox"/>	PURE MTH 3021 Logic & Computability (3 units) <input type="checkbox"/> <b>^NOT OFFERED 2017</b>
	PURE MTH 3022 Geometry of Surfaces III (3 units) <input type="checkbox"/>	PURE MTH 3023 Fields and Modules III (3 units) <input type="checkbox"/>	PURE MTH 3024 Finite Geometry III (3 units) <input type="checkbox"/> <b>^NOT OFFERED 2017</b>	<input type="checkbox"/>
Statistics Courses	STATS 2107 Statistical Modelling and Inference II (3 units) <input type="checkbox"/>	STATS 3001 Statistics Modelling III (3 units) <input type="checkbox"/>	STATS 3003 Sampling Theory and Practice III (3 units) <input type="checkbox"/>	STATS 3005 Time Series III (3 units) <input type="checkbox"/>
	STATS 3006 Mathematical Statistics III (3 units) <input type="checkbox"/>	STATS 3008 Biostatistics III (3 units) <input type="checkbox"/> <b>^NOT OFFERED 2017</b>	STATS 1005 Statistical Analysis & Modelling I (3 units) <input type="checkbox"/>	<input type="checkbox"/>
Computer Sciences Courses	COMP SCI 1010 Puzzle Based Learning (3 units) <input type="checkbox"/>	COMP SCI 1101 Introduction to Programming (3 units) <input type="checkbox"/>	COMP SCI 1102 Object Oriented Programming (3 units) <input type="checkbox"/>	COMP SCI 1103 Algorithm Design & Data Structures (3 units) <input type="checkbox"/>

# FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES



## 2017 STUDY PLAN

COMP SCI 1106 Introduction to Software Engineering (3 units) <input type="checkbox"/>	COMP SCI 2000 Computer Systems (3 units) <input type="checkbox"/>	COMP SCI 2005 Systems Programming (3 units) <input type="checkbox"/>	COMP SCI 2201 Algorithm & Data Structure Analysis (3 units) <input type="checkbox"/>
COMP SCI 2203 Problem Solving & Software Development (3 units) <input type="checkbox"/>	COMP SCI 2204 Advanced Programming Paradigms (3 units) <input type="checkbox"/>	COMP SCI 3001 Computer Network & Applications (3 units) <input type="checkbox"/>	COMP SCI 3004 Operation Systems (3 units) <input type="checkbox"/>
COMP SCI 3005 Computer Architecture (3 units) <input type="checkbox"/>	COMP SCI 3006 Software Engineering & Project (3 units) <input type="checkbox"/>	COMP SCI 3007 Artificial Intelligence (3 units) <input type="checkbox"/>	COMP SCI 3012 Distributed Systems (3 units) <input type="checkbox"/>
COMP SCI 3013 Event Driven Computing (3 units) <input type="checkbox"/>	COMP SCI 3014 Computer Graphics (3 units) <input type="checkbox"/>	COMP SCI 3016 Computational Cognitive Science (3 units) <input type="checkbox"/> <b>^NOT OFFERED 2017</b>	COMP SCI 3301 Advanced Algorithms (3 units) <input type="checkbox"/> <b>^NOT OFFERED 2017</b>
COMP SCI 3302 Information Security Professional Practice (3 units) <input type="checkbox"/> <b>^NOT OFFERED 2017</b>	COMP SCI 3305 Parallel and Distributed Computing (3 units) <input type="checkbox"/>	COMP SCI 2207 Web & Database Computing (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. 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.

\*Electives may be chosen from courses offered by the School of Mathematical Sciences, School of Computer Sciences or other courses offered by the University of Adelaide. The program rules require students to present at least 36 units of Mathematical and Computer Science Elective of which at least 12 units are at Level III. Students will need to satisfy any specified course eligibility requirements.

How to choose an elective course in your area of interest? Please refer to the steps via the link: <http://www.ecms.adelaide.edu.au/current-students/new-students/#tab-5-content>

## 2017 STUDY PLAN

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<input checked="" type="checkbox"/> Please mark the box to indicate advanced standing granted (use <b>CONDITIONAL</b> 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: 9/12/16		
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 MATHEMATICAL & COMPUTER SCIENCES– Semester 2 Start

YEAR 1	S 2	MATHS 1011 Mathematics IA (3 units)# <input type="checkbox"/>	Level I Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level I Elective (3 units)* <input type="checkbox"/>	Level I or II or III Elective (3 units)* <input type="checkbox"/>
		MATHS 1012 Mathematics IB (3 units) <input type="checkbox"/>	COMP SCI 1012 Scientific Computing (3 units) <input type="checkbox"/>	Level I Elective (3 units)* <input type="checkbox"/>	Level I or II or III Elective (3 units)* <input type="checkbox"/>
YEAR 2	S 1	Level II Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level II Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level II Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level II Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>
	S 2	Level II Elective (3 units)* <input type="checkbox"/>	Level II Elective (3 units)* <input type="checkbox"/>	Level II Elective (3 units)* <input type="checkbox"/>	Level I or II or III Elective (3 units)* <input type="checkbox"/>
YEAR 3	S 1	MATHS 3015 Communications Skills III (3 units) <input type="checkbox"/>	Level III Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level III Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level III Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>
	S 2	Level III Mathematical Sciences or Computer Science Elective (3 units) <input type="checkbox"/>	Level III Elective (3 units)* <input type="checkbox"/>	Level III Elective (3 units)* <input type="checkbox"/>	Level III Elective (3 units)* <input type="checkbox"/>
YEAR 4	S 1				

2017 STUDY PLAN

S 2	
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CHOOSE FROM THE FOLLOWING ELECTIVES

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