FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES

2017 STUDY PLAN

THE UNIVERSITY of ADELAIDE

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: 3/02/17
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 COMPUTER SCIENCE (ADVANCED)					
YEAR 1	S1	a) SEE BELOW NOTE (3 units)* ☐	Level I Elective or MATHS 1011 Mathematics IA (3 units) ☐	Level I Elective (3 units) ☐	Level I, II or III Elective (3 units) ☐
	S2	b) SEE BELOW NOTE (3 units)* ☐	MATHS 1008 Mathematics for Information Technology I ☐ or MATHS 1012 Mathematics IB (3 units)** ☐	COMP SCI 1104 Grand Challenges in Computer Science (3 units) ☐	COMP SCI 1106 Introduction to Software Engineering (3 units) ☐ ☐
YEAR 2	S1	c) SEE BELOW NOTE (3 units)* ☐	COMP SCI 2207 Web & Database Computing (3 units) ☐	COMP SCI 2008 Topics in Computer Science (6 units) ☐	
	S2	d) COMP SCI 2201 Algorithm & Data Structure Analysis (3 units)* ☐	COMP SCI 2000 Computer Systems (3 units) ☐	Level II Elective (3 units) ☐	Level II Elective (3 units) ☐
YEAR 3	S1	COMP SCI 3001 Computer Networks and Applications (3 units) ☐	COMP SCI Level III Elective (3 units) ☐	COMP SCI 3020 Advanced Topics in Computer Science (6 units) ☐	
	S2	COMP SCI 3006 Software Engineering & Project (3 units) ☐	MATHS 3015 Communication Skills III (3 units) ☐	COMP SCI 3004 Operating Systems (3 units) ☐	Level III Elective (3 units) ☐

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CHOOSE FROM THE FOLLOWING COMPUTER SCIENCE ELECTIVES				
SEMESTER 1	COMP SCI 1010 Puzzle Based Learning (3 units) ☐	COMP SCI 1012 Scientific Computing (3 units) ☐	COMP SCI 1101 Introduction to Programming (3 units) ☐	COMP SCI 2005 Systems Programming (3 units) ☐
	COMP SCI 3005 Computer Architecture (3 units) ☐	COMP SCI 3007 Artificial Intelligence (3 units) ☐	COMP SCI 3014 Computer Graphics (3 units) ☐	COMP SCI 3305 Parallel and Distributed Computing (3 units) ☐
	COMP SCI 3306 Mining Big Data (3 units)			
SEMESTER 2	COMP SCI 1101 Introduction to Programming (3 units) ☐	COMP SCI 2203 Problem Solving and Software Development (3 units) ☐	COMP SCI 2204 Advanced Programming Paradigms (3 units) ☐	COMP SCI 3004 Operating Systems (3 units) ☐
	COMP SCI 3012 Distributed Systems (3 units) ☐	COMP SCI 3013 Event Driven Computing (3 units) ☐	COMP SCI 3016 Computational Cognitive Science (3 units) ☐ **^NOT OFFERED 2017**	COMP SCI 3301 Advanced Algorithms (3 units) ☐ **^NOT OFFERED 2017**
	COMP SCI 3307 Secure Programming (3 units)			

Note: Electives may be any University of Adelaide Undergraduate course for which the student meets the pre-requisites. Please check the availability, restriction and incompatible section on the course planner for elective choices.

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

*STUDENTS WITH PRIOR PROGRAMMING EXPERIENCE:
Do not need to complete COMP SCI 1101 Introduction to Programming and therefore must complete the following courses in the order listed a) COMP SCI 1102 Object Oriented Programming b) COMP SCI 1103 Algorithm Design and Data Structures c) Level I, II or III Elective d) COMP SCI 2201 Algorithm & Data Structure Analysis

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Complete the following courses in the order listed a) COMP SCI 1101 Introduction to Programming b) COMP SCI 1102 Object Oriented Programming c) COMP SCI 1103 Algorithm Design and Data Structures d) COMP SCI 2201 Algorithm & Data Structure Analysis

** To enrol in MATHS 1012 Mathematics IB students must first pass MATHS 1011 Mathematics IA, which would be presented as a level 1 elective. Entry into MATHS 1011 Mathematics IA requires SACE Stage 2 Specialist Mathematics, or a pass in MATHS 1013 Mathematics IM. The Mathematics IA/IB pathway is for students who want to study extra mathematics. A pass in Mathematics IB is prerequisite for all Level II Mathematics courses.

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BACHELOR OF COMPUTER SCIENCE (ADVANCED)– Semester 2 Start					
YEAR 1	S 2	a) SEE BELOW NOTES (3 units)* ☐	MATHS 1008 Mathematics for Information Technology I ☐	COMP SCI 1104 Grand Challenges in Computer Science (3 units) ☐	COMP SCI 1106 Introduction to Software Engineering (3 units) ☐
YEAR 2	S 1	b) SEE BELOW NOTES (3 units)* ☐	Level I, II or III Elective (3 units) or MATHS 1012 Mathematics IB (3 units)** ☐	Level I Elective (3 units) ☐	Level I, II or III Elective (3 units) ☐
	S 2	c) SEE BELOW NOTES (3 units)* ☐	☐	COMP SCI 2000 Computer Systems (3 units) ☐	Level II Elective (3 units) ☐
YEAR 3	S 1	COMP SCI 3001 Computer Networks and Applications (3 units) ☐	Level II Elective (3 units) ☐	COMP SCI 2008 Topics in Computer Science (6 units) ☐	☐
	S 2	d) COMP SCI 2201 Algorithm & Data Structure Analysis (3 units)* ☐	MATHS 3015 Communication Skills III (3 units) ☐	COMP SCI 3004 Operating Systems (3 units) ☐	COMP SCI 3006 Software Engineering & Project (3 units) ☐
YEAR 4	S 1	Level III Elective (3 units) ☐	COMP SCI Level III Elective (3 units) ☐	COMP SCI 3020 Advanced Topics in Computer Science (6 units) ☐	

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