THE UNIVERSITY of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences
2020 Study Plan

Graduate Diploma in Computer Science

Year 1				
S1	**Foundation Elective (see elective table) ☐	Foundation Elective (see elective table) ☐	Foundation Elective (see elective table) ☐	*Foundation Elective or General Elective or Advanced Elective (see elective table) ☐
S2	COMP SCI 7015 Software Engineering & Project ☐	*General Elective (see below table) ☐	*General Elective (see below table) ☐	*General Elective (see below table) ☐

Core Courses

NOTES

***Elective:** Before enrolling into electives, students are advised to seek course advice from an academic in the School of Computer Science to ensure pre-requisites for electives are met

****Unless exempted by the Faculty, all international students are required to undertake a specialist course ELEC ENG 7057 Engineering Communication & Critical Thinking. This course must be completed in the first semester of study and will be presented in lieu of a Foundation elective

STUDENTS WITH PROGRAMMING EXPERIENCE:
May undertake this program full time as per the above study plan.

STUDENTS WITH NO PROGRAMMING EXPERIENCE:
This program is able to be completed on a part-time basis only, due to a requirement to complete the course COMP SCI 7202 Foundations of Computer Science (6 units) prior to completing any other courses. Please note in this case the completion of this program will extend to 4 semesters

Information and Enrolment Advice:
Ask ECMS
Email: askecms@adelaide.edu.au
Website: https://ecms.adelaide.edu.au/study-with-us/student-support

Program Rules: For academic program rules please refer to the following website:
https://calendar.adelaide.edu.au/faculty/ecms

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Elective Table

CHOOSE FROM THE FOLLOWING COMPUTER SCIENCE ELECTIVES				
FOUNDATION ELECTIVES	COMP SCI 7202 Foundations of Computer Science (6 units) ☐	COMP SCI 7201 Algorithm & Data Structure Analysis ☐	COMP SCI 7081 Computer Systems ☐	COMP SCI 7207 Web & Database Computing ☐
	COMP SCI 7088 Systems Programming ☐			
GENERAL ELECTIVES	COMP SCI 7015 Software Engineering & Project ☐	COMP SCI 7026 Computer Architecture ☐	COMP SCI 7039 Computer Networks & Applications ☐	COMP SCI 7059 Artificial Intelligence ☐
	COMP SCI 7064 Operating Systems ☐	COMP SCI 7076 Distributed Systems ☐	COMP SCI 7305 Parallel and Distributed Computing ☐	COMP SCI 7306 Mining Big Data ☐
	COMP SCI 7307 Secure Programming ☐	COMP SCI 7308 Cybersecurity Fundamentals ☐	COMP SCI 7314 Introduction to Statistical Machine Learning ☐	COMP SCI 7315 Computer Vision ☐
ADVANCED ELECTIVES	COMP SCI 7000 Software Architecture ☐	COMP SCI 7007 Specialised Programming ☐	COMP SCI 7023 Software Process Improvement ☐	COMP SCI 7092 Mobile & Wireless Systems ☐
	COMP SCI 7093 Evolutionary Computation **Not Offered in 2020** ☐	COMP SCI 7094 Distributed Databases & Data Mining ☐	COMP SCI 7407 Advanced Algorithms ☐	COMP SCI 7409 Search Based Software Engineering ☐
	COMP SCI 7408 Modelling & Analysis of Complex Sytems ☐	COMP SCI 7411 Event Driven Computing ☐	COMP SCI 7412 Secure Software Engineering ☐	COMP SCI 7413 Quantum Computing ☐