

## Graduate Diploma in Computer Science – Semester 2 Start

Year 1			
S2	COMP SCI 7015 Software Engineering & Project <input type="checkbox"/>	Foundation Elective ** <input type="checkbox"/>	Foundation Elective <input type="checkbox"/>
Year 2			
S1	Foundation Elective * or General Elective <input type="checkbox"/> or Advanced Elective	General Elective * <input type="checkbox"/>	General Elective * <input type="checkbox"/>

\*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:

Students with previous programming knowledge 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 3 semesters.

For a complete list of courses that constitute the program, including majors, please refer to the academic program rules website: <https://calendar.adelaide.edu.au/faculty/ecms>

### Further Information and Enrolment Advice

Faculty of Engineering, Computer and Mathematical Sciences

Email: [askecms@adelaide.edu.au](mailto:askecms@adelaide.edu.au)

[www.ecms.adelaide.edu.au](http://www.ecms.adelaide.edu.au)

### Computer Science Electives Table

CHOOSE FROM THE FOLLOWING ELECTIVES				
FOUNDATION ELECTIVES	COMP SCI 7202 Foundations of Computer Science (6 units) <input type="checkbox"/>	COMP SCI 7201 Algorithm & Data Structure Analysis <input type="checkbox"/>	COMP SCI 7081 Computer Systems <input type="checkbox"/>	COMP SCI 7207 Web & Database Computing <input type="checkbox"/>
	COMP SCI 7088 Systems Programming <input type="checkbox"/>			
GENERAL ELECTIVES	COMP SCI 7015 Software Engineering & Project <input type="checkbox"/>	COMP SCI 7026 Computer Architecture <input type="checkbox"/>	COMP SCI 7039 Computer Networks & Applications <input type="checkbox"/>	COMP SCI 7059 Artificial Intelligence <input type="checkbox"/>
	COMP SCI 7064 Operating Systems <input type="checkbox"/>	COMP SCI 7076 Distributed Systems <input type="checkbox"/>	COMP SCI 7305 Parallel and Distributed Computing <input type="checkbox"/>	COMP SCI 7306 Mining Big Data <input type="checkbox"/>
	COMP SCI 7307 Secure Programming <input type="checkbox"/>	COMP SCI 7308 Cybersecurity Fundamentals <input type="checkbox"/>	COMP SCI 7314 Introduction to Statistical Machine Learning <input type="checkbox"/>	COMP SCI 7315 Computer Vision <input type="checkbox"/>
ADVANCED ELECTIVES	COMP SCI 7000 Software Architecture <input type="checkbox"/>	COMP SCI 7007 Specialised Programming <input type="checkbox"/>	COMP SCI 7023 Software Process Improvement <input type="checkbox"/>	COMP SCI 7092 Mobile & Wireless Systems <input type="checkbox"/>
	COMP SCI 7093 Evolutionary Computation <input type="checkbox"/>	COMP SCI 7094 Distributed Databases & Data Mining <input type="checkbox"/>	COMP SCI 7407 Advanced Algorithms <input type="checkbox"/>	COMP SCI 7409 Search Based Software Engineering <input type="checkbox"/>
	COMP SCI 7408 Modelling & Analysis of Complex Systems <input type="checkbox"/>	COMP SCI 7411 Event Driven Computing <input type="checkbox"/>	COMP SCI 7412 Secure Software Engineering <input type="checkbox"/>	COMP SCI 7413 Quantum Computing <input type="checkbox"/>