

## Graduate Certificate in Computer Science

Year 1			
S1	*Computer Science Elective (see elective table) <input type="checkbox"/>	*Computer Science Elective (see elective table) <input type="checkbox"/>	*Computer Science Elective (see elective table) <input type="checkbox"/>

Core Courses

### Elective Table

CHOOSE FROM THE FOLLOWING COMPUTER SCIENCE ELECTIVES				
FOUNDATION ELECTIVES	COMP SCI 7201 Algorithm & Data Structure Analysis <input type="checkbox"/>	COMP SCI 7202 Foundations of Computer Science (6 units) <input type="checkbox"/>	COMP SCI 7207 Web & Database Computing	COMP SCI 7081 Computer Systems <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 <b>Not Offered in 2020</b> <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"/>

#### 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

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

#### Information and Enrolment Advice:

Ask ECMS

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

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>