

Graduate Diploma in Computer Science

Course		Units	Status
Year 1			
S1	^ Foundation / Computer Science / Advanced Elective	3	
S1	* Foundation Elective	3	
S1	Foundation Elective	3	
S1	Foundation Elective	3	
S2	COMP SCI 7015 Software Engineering & Project	3	
S2	^ Computer Science Elective	3	
S2	^ Computer Science Elective	3	
S2	^ Computer Science Elective	3	

Core Course		Elective Course (see elective tables)	
CM = Completed	CR = Credit Awarded	EN = Currently Enrolled	ENROL = Add to Enrolments

^ Electives: 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 ENG 7057 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 3 semesters.

Links and Further Information

- [Course Planner](#) Information about University courses, including availability, class times, restrictions and prerequisites.
- [University Calendar](#) All academic program rules.
- **Contact Ask ECMS:** askecms@adelaide.edu.au • +61 8 8313 4148 • www.ecms.adelaide.edu.au

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Elective Tables

Course		Units	Status
Foundation Elective Table			
S1	COMP SCI 7088 Systems Programming	3	
S1	COMP SCI 7207 Web and Database Computing	3	
S1 S2	COMP SCI 7081 Computer Systems	3	
S1 S2	COMP SCI 7201 Algorithm & Data Structure Analysis	3	
S1 S2	COMP SCI 7202 Foundations of Computer Science	6	
Computer Science Elective Table			
S1	COMP SCI 7039 Computer Networks & Applications	3	
S1	COMP SCI 7059 Artificial Intelligence	3	
S1	COMP SCI 7305 Parallel and Distributed Computing	3	
S1 T1	COMP SCI 7306 Mining Big Data	3	
S2	COMP SCI 7064 Operating Systems	3	
S2	COMP SCI 7076 Distributed Systems	3	
S2	COMP SCI 7316 Evolutionary Computation	3	
S2 T2	COMP SCI 7314 Introduction to Statistical Machine Learning	3	
T1	COMP SCI 7308 Cybersecurity Fundamentals	3	
T2	COMP SCI 7315 Computer Vision	3	
T2	COMP SCI 7307 Secure Programming	3	
T1 T2 T3	ENG 7111 Internship (see note below)	6	
Advanced Elective Table			
Not Available	COMP SCI 7094 Distributed Databases & Data Mining	3	
Not Available	COMP SCI 7408 Modelling and Analysis of Complex Systems PG	3	
Not Available	COMP SCI 7409 Search Based Software Engineering	3	
S1	COMP SCI 7023 Software Process Improvement	3	
S1	COMP SCI 7407 Advanced Algorithms	3	
S1	COMP SCI 7413 Introduction to Quantum Computing	3	
S1	COMP SCI 7417 Applied Natural Language Processing	3	
S1 S2	COMP SCI 7007 Specialised Programming	3	
S2	COMP SCI 7092 Mobile and Wireless Systems	3	
S2	COMP SCI 7411 Event Driven Computing	3	
S2	COMP SCI 7412 Secure Software Engineering	3	
S2	COMP SCI 7416 Applied Machine Learning	3	

ENG 7111 Internship

- Internships are available to students and allow students to build and apply skills to a relevant workplace setting.
- Students will need to apply for approved internships on [CareerHub](#), and if successful in gaining an internship will be enrolled by the faculty in *ENG 7111 Internship* (6 units).
- For more information see: <https://ecms.adelaide.edu.au/study-with-us/student-support/internships/computer-mathematical-sciences>