

Master of Computing and Innovation

Course		Units	Status
Year 1			
S1	COMP SCI 7202 Foundations of Computer Science	6	
S1	* ENG 7057 Communication & Critical Thinking	3	
S1	ECIC Restricted Elective	3	
S2	COMP SCI 7064 Operating Systems	3	
S2	COMP SCI 7081 Computer Systems	3	
S2	COMP SCI 7201 Algorithm & Data Structure Analysis	3	
S2	ECIC Restricted Elective	3	
Year 2			
S1	COMP SCI 7039 Computer Networks & Applications	3	
S1	COMP SCI 7098 Master of Computing & Innovation Project	9	
S2	COMP SCI 7015 Software Engineering & Project	3	
S2	Computer Science Elective / ^Advanced Computer Science Elective / ECIC Elective	3	
S2	Computer Science Elective	3	
S2	Data and Information Management Elective	3	

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

Degree Notes

* ENG 7057 *Communication & Critical Thinking* is a required course for all international students, unless exempted by the Faculty. Domestic students may present any elective listed in the [Elective Tables](#) in lieu of this course.

^Before enrolling into an Advanced Computer Science Elective, students are advised to seek course advice from an academic in the School of Computer Science to ensure pre-requisites are met.

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

ECIC Restricted Elective Table			
S1 T1 T3	ENTREP 5036 Entrepreneurial Concepts and Mindset	3	
S2 T1 T3	ENTREP 5038 New Venture Creation	3	
SS S1 S2 T1 T3	PROJMGNT 5021 Project Management Fundamentals	3	
SS T2	ENTREP 7022 Creativity and Innovation	3	
Data and Information Management Elective Table			
Not Available	COMP SCI 7094 Distributed Databases & Data Mining	3	
S1 T1	COMP SCI 7306 Mining Big Data	3	
S2 T2	COMP SCI 7314 Introduction to Statistical Machine Learning	3	
Computer Science Elective Table			
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 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 7307 Secure Programming	3	
T2	COMP SCI 7315 Computer Vision	3	
T1 T2 T3	ENG 7111 Internship (see note below)	6	
Advanced Computer Science 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 S2	COMP SCI 7007 Specialised Programming	3	
S1 T1	COMP SCI 7417 Applied Natural Language Processing	3	
S2	COMP SCI 7092 Mobile and Wireless Systems	3	
S2	COMP SCI 7411 Event Driven Computing	3	
S2	COMP SCI 7416 Applied Machine Learning	3	
S2 T3	COMP SCI 7412 Secure Software Engineering	3	
ECIC Elective Table			
Various	Any ENTREP or PROJMGNT Postgraduate Course	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>