

# Graduate Certificate in Computer Science

Course		Units	Status
Year 1			
S1	^ Foundation / Computer Science / Advanced Elective	3	
S1	^ Foundation / Computer Science / Advanced Elective	3	
S1	^ Foundation / Computer Science / Advanced Elective	3	
S1	^ Foundation / Computer Science / Advanced Elective	3	

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.

## 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](mailto:askecms@adelaide.edu.au) • +61 8 8313 4148 • [www.ecms.adelaide.edu.au](http://www.ecms.adelaide.edu.au)

Foundation Elective Table			
S1	<a href="#">COMP SCI 7088 Systems Programming</a>	3	
S1	<a href="#">COMP SCI 7207 Web and Database Computing</a>	3	
S1 S2	<a href="#">COMP SCI 7081 Computer Systems</a>	3	
S1 S2	<a href="#">COMP SCI 7201 Algorithm &amp; Data Structure Analysis</a>	3	
S1 S2	<a href="#">COMP SCI 7202 Foundations of Computer Science</a>	6	
Computer Science Elective Table			
S1	<a href="#">COMP SCI 7026 Computer Architecture</a>	3	
S1	<a href="#">COMP SCI 7039 Computer Networks &amp; Applications</a>	3	
S1	<a href="#">COMP SCI 7059 Artificial Intelligence</a>	3	
S1	<a href="#">COMP SCI 7305 Parallel and Distributed Computing</a>	3	
S1	<a href="#">COMP SCI 7306 Mining Big Data</a>	3	
S1	<a href="#">COMP SCI 7308 Cybersecurity Fundamentals</a>	3	
S1	<a href="#">COMP SCI 7315 Computer Vision</a>	3	
S2	<a href="#">COMP SCI 7015 Software Engineering &amp; Project</a>	3	
S2	<a href="#">COMP SCI 7064 Operating Systems</a>	3	
S2	<a href="#">COMP SCI 7076 Distributed Systems</a>	3	
S2	<a href="#">COMP SCI 7307 Secure Programming</a>	3	
S2	<a href="#">COMP SCI 7314 Introduction to Statistical Machine Learning</a>	3	
S2	<a href="#">COMP SCI 7316 Evolutionary Computation</a>	3	
Advanced Elective Table			
S1	<a href="#">COMP SCI 7023 Software Process Improvement</a>	3	
S1	<a href="#">COMP SCI 7407 Advanced Algorithms</a>	3	
S1	<a href="#">COMP SCI 7408 Modelling and Analysis of Complex Systems PG</a>	3	
S1	<a href="#">COMP SCI 7409 Search Based Software Engineering</a>	3	
S1	<a href="#">COMP SCI 7413 Introduction to Quantum Computing</a>	3	
S1 S2	<a href="#">COMP SCI 7007 Specialised Programming</a>	3	
S2	<a href="#">COMP SCI 7000 Software Architecture</a>	3	
S2	<a href="#">COMP SCI 7092 Mobile and Wireless Systems</a>	3	
S2	<a href="#">COMP SCI 7094 Distributed Databases &amp; Data Mining</a>	3	
S2	<a href="#">COMP SCI 7411 Event Driven Computing</a>	3	
S2	<a href="#">COMP SCI 7412 Secure Software Engineering</a>	3	