

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 • +61 8 8313 4148 • www.ecms.adelaide.edu.au

| 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 7015 Software Engineering & Project | 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 |
| 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 |