

# Graduate Diploma of Cyber Security

## Trimester 1 Start

	Course	Units	Status
<b>Year 1</b>			
Tri 1	COMP SCI 7210 Foundations of Computer Science A	3	
Tri 1	COMP SCI 7211 Foundations of Computer Science B	3	
Tri 1	*ENG 7057 Communication and Critical Thinking	3	
Tri 2	MATHS 7027 Mathematical Foundations of Data Science	3	
Tri 2	COMP SCI 7328 Concepts in Cyber Security	3	
Tri 2	Elective – Set 1	3	
Tri 3	Elective – Set 1	3	
Tri 3	Elective – Set 1 or Set 2	3	

<b>CM</b> = Completed	<b>CR</b> = Credit Awarded	<b>EN</b> = Currently Enrolled	<b>ENROL</b> = Add to Enrolments
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\* *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 – Set 1 Table in lieu of this course.

Electives found on [Course Availability](#) page

### 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)

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## Course Availability

Core Course Availability	Tri 1	Tri 2	Tri 3	Sem 1*	Sem 2*
COMP SCI 7210 Foundations of Computer Science A	✓	✓	✓		
COMP SCI 7211 Foundations of Computer Science B	✓	✓	✓		
COMP SCI 7328 Concepts in Cyber Security	✓	✓	✓		
MATHS 7027 Mathematical Foundations of Data Science	✓	✓	✓		
Elective - Set 1 Courses	Tri 1	Tri 2	Tri 3	Sem 1*	Sem 2*
COMMGMT 7023 Business Data & Cyber Security (M)					
COMMGMT 7025 Information Risks, Threats and Controls (M)					✓
COMMGMT 7026 Policies & Procedures in Organisational Cyber Security (M)					
COMP SCI 7081 Computer Systems				✓	✓
COMP SCI 7106 Hot Topics in IoT Security			✓		
COMP SCI 7212 Human and Ethical Factors in Computer Science	✓				
COMP SCI 7307 Secure Programming		✓			
COMP SCI 7308 Cyber Security Fundamentals	✓				
COMP SCI 7412 Secure Software Engineering			✓		✓
ENG 7111 Internship (6 units) (see note below)	✓	✓	✓		
MATHS 7026 Cryptography PG					✓
Elective - Set 2 Courses	Tri 1	Tri 2	Tri 3	Sem 1*	Sem 2*
COMMGMT 7024 Business Information Systems & Management (M)					✓
COMP SCI 7039 Computer Networks & Applications				✓	
COMP SCI 7064 Operating Systems					✓
COMP SCI 7092 Mobile and Wireless Systems					✓
COMP SCI 7094 Distributed Databases & Data Mining					
COMP SCI 7209 Big Data Analysis and Project		✓			
COMP SCI 7306 Mining Big Data	✓			✓	
COMP SCI 7314 Introduction to Statistical Machine Learning		✓			✓
COMP SCI 7317 Using Machine Learning Tools PG		✓			
COMP SCI 7318 Deep Learning Fundamentals			✓		
COMP SCI 7413 Introduction to Quantum Computing				✓	
COMP SCI 7416 Applied Machine Learning					✓
COMP SCI 7417 Applied Natural Language Processing	✓			✓	
ELEC ENG 7051 Microelectronic Systems				✓	
ELEC ENG 7080 Principles of Communication Systems				✓	
ELEC ENG 7081 Telecommunications Systems					✓
MATHS 7103 Probability & Statistics PG		✓		✓	
PHIL 7005 Machine Learning and Artificial Intelligence			✓		
POLIS 7024 Political Institutions and Policy-Making					
STATS 7107 Statistical Modelling and Inference			✓		✓

\*Please note that while your program is based around trimesters there are some semester based electives available as part of your program. Please contact [askecms@adelaide.edu.au](mailto:askecms@adelaide.edu.au) for further information on managing a trimester/semester hybrid enrolment.

### 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>