

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	MATHS 7027 Mathematical Foundations of Data Science	3	
Tri 2	*ENG 7057 Communication & Critical Thinking	3	
Tri 2	MATHS 7107 Data Taming	3	
Tri 2	Elective – Set 1	3	
Tri 3	Elective – Set 1	3	
Tri 3	Elective – Set 1	3	
Tri 3	Elective – Set 2	3	
<b>Year 2</b>			
Tri 1	Elective – Set 1	3	
Tri 1	Elective – Set 2	3	
Tri 2	STATS 7022 Data Science	3	
Tri 2	MATHS 7097A Data Science Research Project Part A or MATHS 7098A Data Science Industry Project Part A	6	
Tri 3	MATHS 7097B Data Science Research Project Part B or MATHS 7098B Data Science Industry Project Part B	6	

<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)

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	✓	✓	✓		
MATHS 7027 Mathematical Foundations of Data Science	✓	✓	✓		
MATHS 7107 Data Taming	✓	✓	✓		
STATS 7022 Data Science		✓			✓
Project Course Availability	Tri 1	Tri 2	Tri 3	Sem 1*	Sem 2*
MATHS 7097A Data Science Research Project Part A	✓	✓	✓		
MATHS 7097B Data Science Research Project Part B	✓	✓	✓		
MATHS 7098A Data Science Industry Project Part A	✓	✓	✓		
MATHS 7098B Data Science Industry Project Part B	✓	✓	✓		
Elective - Set 1 Courses	Tri 1	Tri 2	Tri 3	Sem 1*	Sem 2*
APP MTH 7124 Decision Science PG			✓		✓
COMP SCI 7212 Human and Ethical Factors in Computer Science	✓				
COMP SCI 7314 Introduction to Statistical Machine Learning		✓			✓
COMP SCI 7318 Deep Learning Fundamentals			✓		
COMP SCI 7416 Applied Machine Learning					✓
ENG 7111 Internship (6 units) (see note below)	✓	✓	✓		
MATHS 7103 Probability & Statistics		✓		✓	
MATHS 7105 Data Literacy	✓				
Elective - Set 2 Courses	Tri 1	Tri 2	Tri 3	Sem 1*	Sem 2*
COMP SCI 7007 Specialised Programming				✓	✓
COMP SCI 7059 Artificial Intelligence				✓	
COMP SCI 7076 Distributed Systems					✓
COMP SCI 7088 Systems Programming				✓	
COMP SCI 7094 Distributed Databases and Data Mining					
COMP SCI 7201 Algorithm & Data Structure Analysis				✓	✓
COMP SCI 7209 Big Data Analysis and Project		✓			
COMP SCI 7305 Parallel and Distributed Computing				✓	
COMP SCI 7306 Mining Big Data	✓			✓	
COMP SCI 7317 Using Machine Learning Tools		✓			
COMP SCI 7407 Advanced Algorithms				✓	
COMP SCI 7416 Applied Machine Learning					✓
COMP SCI 7417 Applied Natural Language Processing	✓			✓	
PHIL 7005 Machine Learning and Artificial Intelligence			✓		
STATS 7054 Statistical Modelling				✓	
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>