

Master of Data Science

Course		Units	Status
Year 1			
S1	COMP SCI 7208 Programming and Computational Thinking for Data Science	6	
S1	COMP SCI 7405 Research Methods in Software Engineering and Computer Science	3	
S1	MATHS 7027 Mathematical Foundations of Data Science	3	
S2	COMP SCI 7094 Distributed Databases & Data Mining	3	
S2	COMP SCI 7201 Algorithm & Data Structure Analysis	3	
S2	COMP SCI 7209 Big Data Analysis and Project	3	
S2	* ELEC ENG 7057 Engineering Communication and Critical Thinking	3	
Year 2			
S1	COMP SCI 7097A Master Data Science Research Project Part A	6	
S1	COMP SCI 7306 Mining Big Data	3	
S1	MATHS 7103 Probability & Statistics	3	
S2	COMP SCI 7097B Master Data Science Research Project Part B	6	
S2	COMP SCI 7314 Introduction to Statistical Machine Learning	3	
S2	Data Science Elective	3	

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

Degree Notes

* *ELEC ENG 7057 Engineering 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 table in lieu of this course.

Data Science Elective Table			
N/A	STATS 7014 Statistics Topic B	3	
N/A	STATS 7016 Statistics Topic C	3	
N/A	STATS 7056 Biostatistics	3	
N/A	STATS 7058 Time Series	3	
N/A	STATS 7069 Statistics Topic E	3	
N/A	STATS 7070 Statistics Topic F	3	
S1	COMP SCI 7059 Artificial Intelligence	3	
S1	COMP SCI 7088 Systems Programming	3	
S1	COMP SCI 7305 Parallel and Distributed Computing	3	
S1	COMP SCI 7407 Advanced Algorithms	3	
S1	COMP SCI 7417 Applied Natural Language Processing	3	
S1	STATS 7004 Statistics Topic A	3	
S1	STATS 7054 Statistical Modelling	3	
S1	STATS 7059 Mathematical Statistics	3	
S1 S2	COMP SCI 7007 Specialised Programming	3	
S2	COMP SCI 7076 Distributed Systems	3	
S2	COMP SCI 7416 Applied Machine Learning	3	
S2	STATS 7008 Statistics Topic D	3	
S2	STATS 7023 Computational Bayesian Statistics III	3	
S2	STATS 7107 Statistical Modelling and Inference	3	

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