



THE UNIVERSITY
of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences 2020 Study Plan

Master of Machine Learning – All Specialisations

Semester 2 Start

Master of Machine Learning (Applied Specialisation)
Master of Machine Learning (Technical Specialisation)

Master of Machine Learning (Applied Specialisation) - Semester 2 Start

Year 1				
S1				
S2	MATHS 7027 Mathematical Foundations of Data Science <input type="checkbox"/>	COMP SCI 7212 Human and Ethical Factors in Computer Science <input type="checkbox"/>	PHIL 7005 Machine Learning and Artificial Intelligence <input type="checkbox"/>	POLIS 7024 Political institutions & Policy Making <input type="checkbox"/>
Year 2				
S1	COMP SCI 7317 Using Machine Learning Tools <input type="checkbox"/>	COMP SCI 7210 Foundations of Computer Science - Python A <input type="checkbox"/>	COMP SCI 7211 Foundations of Computer Science - Python B <input type="checkbox"/>	▲Machine Learning Elective (see elective table) <input type="checkbox"/>
S2	COMP SCI 7205A Master of Machine Learning Research Project Part A (6 units) or COMP SCI 7206A Master of Machine Learning Industry Project Part A (6 units) <input type="checkbox"/>		COMP SCI 7416 Applied Machine Learning <input type="checkbox"/>	COMP SCI 7314 Introduction to Statistical Machine Learning <input type="checkbox"/>
Year 3				
S1	COMP SCI 7205B Master of Machine Learning Research Project Part B (6 units) or COMP SCI 7206B Master of Machine Learning Industry Project Part B (6 units) <input type="checkbox"/>		Machine Learning Elective (see elective table) <input type="checkbox"/>	Machine Learning Elective (see elective table) <input type="checkbox"/>
S2				

Core Courses

Specialisation Course

Elective Table

CHOOSE FROM THE FOLLOWING MACHINE LEARNING ELECTIVES				
S1	COMP SCI 7306 Mining Big Data <input type="checkbox"/>	COMP SCI 7308 Cybersecurity Fundamentals <input type="checkbox"/>	COMP SCI 7407 Advanced Algorithms <input type="checkbox"/>	MATHS 7103 Probability & Statistics <input type="checkbox"/>
	COMP SCI 7059 Artificial Intelligence <input type="checkbox"/>	COMP SCI 7315 Computer Vision <input type="checkbox"/>	COMP SCI 7417 Applied Natural Language Processing <input type="checkbox"/>	COMP SCI 7419 Deep Learning: Image Processing <input type="checkbox"/>
	COMP SCI 7007 Specialised Programming <input type="checkbox"/>	COMP SCI 7039 Computer Networks & Applications <input type="checkbox"/>	COMP SCI 7088 Systems Programming	COMP SCI 7305 Parallel and Distributed Computing
S2	COMP SCI 7416 Applied Machine Learning <input type="checkbox"/>	COMP SCI 7064 Operating Systems <input type="checkbox"/>	COMP SCI 7076 Distributed Systems <input type="checkbox"/>	COMP SCI 7307 Secure Programming <input type="checkbox"/>
	COMP SCI 7007 Specialised Programming <input type="checkbox"/>	COMP SCI 7418 Advanced Topics in Machine Learning Not Offered in 2020 <input type="checkbox"/>	COMP SCI 7318 Deep Learning Fundamentals	

NOTES

^Unless exempted by the Faculty, all international students are required to undertake a specialist course ELEC ENG 7057 Engineering Communication & Critical Thinking. This course must be completed in the first semester of study and will be presented in lieu of a Foundation elective

Information and Enrolment Advice:

Ask ECMS

Email: askecms@adelaide.edu.au

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>

Program Rules: For academic program rules please refer to the following website:

<https://calendar.adelaide.edu.au/faculty/ecms>

Master of Machine Learning (Technical Specialisation) (Semester 2 Start)

Year 1				
S1				
S2	COMP SCI 7210 Foundations of Computer Science - Python A <input type="checkbox"/>	COMP SCI 7211 Foundations of Computer Science - Python B <input type="checkbox"/>	COMP SCI 7212 Human and Ethical Factors in Computer Science <input type="checkbox"/>	COMP SCI 7318 Deep Learning Fundamentals <input type="checkbox"/>
Year 2				
S1	COMP SCI 7317 Using Machine Learning Tools <input type="checkbox"/>	MATHS 7027 Mathematical Foundations of Data Science <input type="checkbox"/>	Machine Learning Elective (see elective table) <input type="checkbox"/>	Machine Learning Elective (see elective table) <input type="checkbox"/>
S2	COMP SCI 7205A Master of Machine Learning Research Project Part A (6 units) or COMP SCI 7206A Master of Machine Learning Industry Project Part A (6 units) <input type="checkbox"/>		COMP SCI 7314 Introduction to Statistical Machine Learning <input type="checkbox"/>	PHIL 7005 Machine Learning and Artificial Intelligence <input type="checkbox"/>
Year 3				
S1	COMP SCI 7205B Master of Machine Learning Research Project Part B (6 units) or COMP SCI 7206B Master of Machine Learning Industry Project Part B (6 units) <input type="checkbox"/>		Machine Learning Elective (see elective table) <input type="checkbox"/>	COMP SCI 7059 Artificial Intelligence <input type="checkbox"/>
S2				

Core Courses

Specialisation Course

Elective Table

CHOOSE FROM THE FOLLOWING MACHINE LEARNING ELECTIVES				
S1	COMP SCI 7306 Mining Big Data <input type="checkbox"/>	COMP SCI 7308 Cybersecurity Fundamentals <input type="checkbox"/>	COMP SCI 7407 Advanced Algorithms <input type="checkbox"/>	MATHS 7103 Probability & Statistics <input type="checkbox"/>
	COMP SCI 7059 Artificial Intelligence <input type="checkbox"/>	COMP SCI 7315 Computer Vision <input type="checkbox"/>	COMP SCI 7417 Applied Natural Language Processing <input type="checkbox"/>	COMP SCI 7419 Deep Learning: Image Processing Not Offered in 2020 <input type="checkbox"/>
	COMP SCI 7007 Specialised Programming <input type="checkbox"/>	COMP SCI 7039 Computer Networks & Applications <input type="checkbox"/>	COMP SCI 7088 Systems Programming <input type="checkbox"/>	COMP SCI 7305 Parallel and Distributed Computing <input type="checkbox"/>
S2	COMP SCI 7416 Applied Machine Learning <input type="checkbox"/>	COMP SCI 7064 Operating Systems <input type="checkbox"/>	COMP SCI 7076 Distributed Systems <input type="checkbox"/>	COMP SCI 7307 Secure Programming <input type="checkbox"/>
	COMP SCI 7007 Specialised Programming <input type="checkbox"/>	COMP SCI 7418 Advanced Topics in Machine Learning Not Offered in 2020 <input type="checkbox"/>	POLIS 7024 Political Institutions and Policy-Making <input type="checkbox"/>	

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Specialisations

Technical Specialisation - COMP SCI 7318 Deep Learning Fundamentals
Applied Specialisation - POLIS 7024 Political Institutions & Policy Making

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