THE UNIVERSITY of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences
2019 Study Plan

Master of Mathematical Sciences – Semester 2 Start

Year 1				
S2	Group A, B or C Elective ☐	Group A, B or C Elective ☐	Group B Elective ☐	Group B Elective ☐
Year 2				
S1	Group A, B or C Elective ☐	Group A, B or C Elective ☐	Group B Elective ☐	Group B Elective ☐
S2	One of: APP MTH 7200A Masters Project in Applied Mathematics A - Part 1 ☐ MATHS 7200A Masters Project in Mathematical Sciences A – Part 1 ☐ PURE MTH 7200A Masters Project in Pure Mathematics A – Part 1 ☐ STATS 7200A Masters Project in Statistics A - Part 1 ☐	One of: APP MTH 7200B Masters Project in Applied Mathematics B - Part 2 ☐ MATHS 7200B Masters Project in Mathematical Sciences B - Part 2 ☐ PURE MTH 7200B Masters Project in Pure Mathematics B - Part 2 ☐ STATS 7200B Masters Project in Statistics B - Part 2 ☐	Group C Elective ☐	Group C Elective ☐
Year 3				
S1	One of: APP MTH 7200C Masters Project in Applied Mathematics C - Part 3 ☐ MATHS 7200C Masters Project in Mathematical Sciences C - Part 3 ☐ PURE MTH 7200C Masters Project in Pure Mathematics C - Part 3 ☐ STATS 7200C Masters Project in Statistics C - Part 3 ☐	☐ One of: APP MTH 7200D Masters Project in Applied Mathematics D - Part 4 ☐ MATHS 7200D Masters Project in Mathematical Sciences D - Part 4 ☐ PURE MTH 7200D Masters Project in Pure Mathematics D - Part 4 ☐ STATS 7200D Masters Project in Statistics D - Part 4 (6 units) ☐		Group C Elective ☐

Note: Students may also complete the Project by completing Part A, B & C in Semester 1 in Year 2 followed by Part D in Semester 2.

For a complete list of courses that constitute the program, including majors, please refer to the academic program rules website: https://calendar.adelaide.edu.au/faculty/ecms

Further Information and Enrolment Advice
Faculty of Engineering, Computer and Mathematical Sciences
Email: askecms@adelaide.edu.au
www.ecms.adelaide.edu.au

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Mathematical Sciences Electives Table

CHOOSE FROM THE FOLLOWING ELECTIVES					
Group A Electives	S1	MATHS 7101 Multivariable and Complex Calculus ☐	MATHS 7102 Differential Equations ☐	MATHS 7103 Probability and Statistics ☐	PURE MTH 7106 Algebra ☐
	S2	APP MTH 7105 Optimisation and Operations Research ☐	MATHS 7100 Real Analysis ☐	MATHS 7104 Numerical Methods ☐	STATS 7107 Statistical Modelling and Inference ☐
Group B Electives	S1	APP MTH 7035 Modelling with Ordinary Differential Equations ☐	APP MTH 7065 Applied Probability ☐	APP MTH 7072 Optimisation ☐	APP MTH 7075 Fluid Mechanics ☐
		APP MTH 7106 Optimal Functions and Nanomechanics ☐	PURE MTH 7054 Complex Analysis ☐	PURE MTH 7055 Topology and Analysis ☐	PURE MTH 7059 Groups and Rings ☐
		STATS 7054 Statistical Modelling ☐	STATS 7057 Sampling Theory and Practice **NOT OFFERED 2019** ☐	STATS 7059 Mathematical Statistics ☐	
	S2	APP MTH 7090 Stochastic Decision Theory ☐	APP MTH 7107 Partial Differential Equations and Waves ☐	MATHS 7070 Financial Modelling: Tools and Techniques ☐	PURE MTH 7071 Integration and Analysis ☐
		PURE MTH 7072 Fields and Modules ☐	PURE MTH 7108 Geometry of Surfaces ☐	STATS 7058 Time Series ☐	APP MTH 7056 Random Processess ☐
		STATS 7056 Biostatistics **NOT OFFERED 2019** ☐	PURE MTH 7073 Finite Geometry **NOT OFFERED 2019** ☐	MATHS 7026 Cryptography ☐	
Group C Electives	S1	APP MTH 7048 Applied Mathematics Topic A ☐	APP MTH 7045 Applied Mathematics Topic B ☐	APP MTH 7044 Applied Mathematics Topic C ☐	PURE MTH 7002 Pure Mathematics Topic B ☐
		PURE MTH 7038 Pure Mathematics Topic A ☐	STATS 7004 Statistics Topic A ☐	STATS 7014 Statistics Topic B ☐	PURE MTH 7047 Pure Mathematics Topic C **NOT OFFERED 2019** ☐
	S2	APP MTH 7049 Applied Mathematics Topic D ☐	APP MTH 7087 Applied Mathematics Topic E ☐	APP MTH 7088 Pure Mathematics Topic F ☐	PURE MTH 7023 Pure Mathematics Topic D ☐
		PURE MTH 7066 Pure Mathematics Topic E ☐	STATS 7008 Statistics Topic D ☐	PURE MTH 7067 Pure Mathematics Topic F **NOT OFFERED 2019** ☐	STATS 7016 Statistics Topic C **NOT OFFERED 2019** ☐
		STATS 7069 Statistics Topic E **NOT OFFERED 2019** ☐	STATS 7070 Statistics Topic F **NOT OFFERED 2019** ☐		