

## Master of Mathematical Sciences – Semester 2 Start

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

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](mailto:askecms@adelaide.edu.au)

[www.ecms.adelaide.edu.au](http://www.ecms.adelaide.edu.au)

### Mathematical Sciences Electives Table

CHOOSE FROM THE FOLLOWING ELECTIVES					
Group A Electives	S1	MATHS 7101 Multivariable and Complex Calculus <input type="checkbox"/>	MATHS 7102 Differential Equations <input type="checkbox"/>	MATHS 7103 Probability and Statistics <input type="checkbox"/>	PURE MTH 7106 Algebra <input type="checkbox"/>
	S2	APP MTH 7105 Optimisation and Operations Research <input type="checkbox"/>	MATHS 7100 Real Analysis <input type="checkbox"/>	MATHS 7104 Numerical Methods <input type="checkbox"/>	STATS 7107 Statistical Modelling and Inference <input type="checkbox"/>
Group B Electives	S1	APP MTH 7035 Modelling with Ordinary Differential Equations <input type="checkbox"/>	APP MTH 7065 Applied Probability <input type="checkbox"/>	APP MTH 7072 Optimisation <input type="checkbox"/>	APP MTH 7075 Fluid Mechanics <input type="checkbox"/>
		APP MTH 7106 Optimal Functions and Nanomechanics <input type="checkbox"/>	PURE MTH 7054 Complex Analysis <input type="checkbox"/>	PURE MTH 7055 Topology and Analysis <input type="checkbox"/>	PURE MTH 7059 Groups and Rings <input type="checkbox"/>
		STATS 7054 Statistical Modelling <input type="checkbox"/>	STATS 7059 Mathematical Statistics <input type="checkbox"/>		
	S2	APP MTH 7090 Stochastic Decision Theory <input type="checkbox"/>	APP MTH 7107 Partial Differential Equations and Waves <input type="checkbox"/>	MATHS 7070 Financial Modelling: Tools and Techniques <input type="checkbox"/>	PURE MTH 7071 Integration and Analysis <input type="checkbox"/>
		PURE MTH 7072 Fields and Modules <input type="checkbox"/>	PURE MTH 7108 Geometry of Surfaces <input type="checkbox"/>	STATS 7058 Time Series <input type="checkbox"/>	APP MTH 7056 Random Processes <input type="checkbox"/>
		MATHS 7026 Cryptography <input type="checkbox"/>			
Group C Electives	S1	APP MTH 7048 Applied Mathematics Topic A <input type="checkbox"/>	APP MTH 7045 Applied Mathematics Topic B <input type="checkbox"/>	APP MTH 7044 Applied Mathematics Topic C <input type="checkbox"/>	PURE MTH 7002 Pure Mathematics Topic B <input type="checkbox"/>
		PURE MTH 7038 Pure Mathematics Topic A <input type="checkbox"/>	STATS 7004 Statistics Topic A <input type="checkbox"/>	STATS 7014 Statistics Topic B <input type="checkbox"/>	
	S2	APP MTH 7049 Applied Mathematics Topic D <input type="checkbox"/>	APP MTH 7087 Applied Mathematics Topic E <input type="checkbox"/>	APP MTH 7088 Pure Mathematics Topic F <input type="checkbox"/>	PURE MTH 7023 Pure Mathematics Topic D <input type="checkbox"/>
		PURE MTH 7066 Pure Mathematics Topic E <input type="checkbox"/>	STATS 7008 Statistics Topic D <input type="checkbox"/>		