

Honours Degree of Bachelor of Mathematical Sciences

Year 1				
S 1	MATHS 4005A Honours Project in Mathematical Sciences A <input type="checkbox"/>	MATHS 4005B Honours Project in Mathematical Sciences B <input type="checkbox"/>	Mathematical Sciences Honours Group A Elective <input type="checkbox"/>	Mathematical Sciences Honours Group A Elective <input type="checkbox"/>
S 2	MATHS 4005C Honours Project in Mathematical Sciences C <input type="checkbox"/>	Mathematical Sciences Honours Group A Elective <input type="checkbox"/>	Mathematical Sciences Honours Group A or B Elective <input type="checkbox"/>	Mathematical Sciences Honours Group A or B or C Elective <input type="checkbox"/>

Core Courses

Courses to the value of 15 units must be completed from the list of Electives, out of which 9 units must be taken from Group A, 6 units may be taken from Group B and 3 units may be taken from Group C.

Applied Mathematics, Pure Mathematics or Statistics major requirements

In order to acquire a major in Applied Mathematics, Pure Mathematics or Statistics students must complete 9 units of electives in the discipline including 6 units from Group A.

Further Information and Enrolment Advice

Faculty of Engineering, Computer and Mathematical Sciences

Email: askecms@adelaide.edu.au

www.ecms.adelaide.edu.au

Electives Table

CHOOSE FROM THE FOLLOWING GROUP A ELECTIVES			
APP MTH 4046 Applied Mathematics Topic A - Honours <input type="checkbox"/>	APP MTH 4047 Applied Mathematics Topic B - Honours <input type="checkbox"/>	APP MTH 4048 Applied Mathematics Topic C - Honours <input type="checkbox"/>	APP MTH 4049 Applied Mathematics Topic D - Honours <input type="checkbox"/>
APP MTH 4051 Applied Mathematics Topic E - Honours <input type="checkbox"/>	APP MTH 4052 Applied Mathematics Topic F - Honours <input type="checkbox"/>	PURE MTH 4012 Pure Mathematics Topic B - Honours <input type="checkbox"/>	PURE MTH 4013 Pure Mathematics Topic D - Honours <input type="checkbox"/>
PURE MTH 4038 Pure Mathematics Topic A - Honours <input type="checkbox"/>	PURE MTH 4066 Pure Mathematics Topic E - Honours <input type="checkbox"/>	STATS 4013 Statistics Topic A - Honours <input type="checkbox"/>	STATS 4014 Statistics Topic B - Honours <input type="checkbox"/>
STATS 4008 Statistics Topic D - Hons <input type="checkbox"/>			
CHOOSE FROM THE FOLLOWING GROUP B ELECTIVES			
PURE MTH 4102 Topology and Analysis - Honours <input type="checkbox"/>	APP MTH 4102 Fluid Mechanics - Honours <input type="checkbox"/>	APP MTH 4114 Optimisation - Honours <input type="checkbox"/>	PURE MTH 4107 Groups and Rings - Honours <input type="checkbox"/>
APP MTH 4101 Applied Probability - Honours <input type="checkbox"/>	APP MTH 4121 Modelling with Ordinary Differential Equations - Honours <input type="checkbox"/>	PURE MTH 4119 Complex Analysis - Honours <input type="checkbox"/>	STATS 4101 Statistical Modelling - Honours <input type="checkbox"/>
APP MTH 4116 Random Processes - Honours <input type="checkbox"/>	APP MTH 4120 Stochastic Decision Theory - Honours <input type="checkbox"/>	APP MTH 4122 Optimal Functions and Nanomechanics - Honours <input type="checkbox"/>	APP MTH 4123 Partial Differential Equations and Waves - Honours <input type="checkbox"/>
MATHS 4112 Financial Modelling: Tools & Techniques - Honours <input type="checkbox"/>	PURE MTH 4109 Integration and Analysis - Honours <input type="checkbox"/>	PURE MTH 4122 Geometry of Surfaces - Honours <input type="checkbox"/>	PURE MTH 4123 Fields and Modules - Honours <input type="checkbox"/>
STATS 4105 Time Series - Honours <input type="checkbox"/>	STATS 4106 Mathematical Statistics – Honours <input type="checkbox"/>	MATHS 4026 Cryptography – Honours <input type="checkbox"/>	
CHOOSE FROM THE FOLLOWING GROUP C ELECTIVES			
APP MTH 4110EX AMSI Applied Mathematics Topic A - Honours <input type="checkbox"/>	APP MTH 4111EX AMSI Applied Mathematics Topic B - Honours <input type="checkbox"/>	PURE MTH 4110EX AMSI Pure Mathematics Topic A - Honours <input type="checkbox"/>	PURE MTH 4111EX AMSI Pure Mathematics Topic B - Honours <input type="checkbox"/>
STATS 4110EX AMSI Statistics Topic A - Honours <input type="checkbox"/>	STATS 4111EX AMSI Statistics Topic B - Honours <input type="checkbox"/>		