

This list applies to the following programs:

- Bachelor of Arts
- Bachelor of Arts (Advanced)
- Bachelor of Arts (Advanced) with Bachelor of Laws
- Bachelor of Arts (Advanced) with Bachelor of Laws (Honours)
- Bachelor of Teaching with Bachelor of Arts (students who commenced prior to 2019 only)
- Bachelor of Teaching (Middle) with Bachelor of Arts
- Bachelor of Teaching (Secondary) with Bachelor of Arts

MAJOR	MINOR
24 units of courses including: <ul style="list-style-type: none"> • Level 1: 6 units • Level 2: 9 units • Level 3: 9 units including 3 unit capstone course 	18 units of courses including: <ul style="list-style-type: none"> • Level 1: 6 units • Level 2: 6 units • Level 3: 6 units (no capstone required)

Course code	Course name	Units
Level 1		
All students must complete the following courses:		
MATHS 1011	Mathematics IA	3
MATHS 1012	Mathematics IB *	3
MATHS 1013	Mathematics IM @	3
@ Course for students who do not meet the prerequisite for Mathematics IA - not counted towards the major.		
Level 2 (A minimum of 3 units at level 1 must be taken before taking level 2 courses)		
Plus 9 units from the following (6 units if studying the minor):		
MATHS 2100	Real Analysis II *	3
MATHS 2101	Multivariable & Complex Calculus II *	3
MATHS 2102	Differential Equations II *	3
MATHS 2103	Probability & Statistics II *	3
MATHS 2104	Numerical Methods II * (<i>incompatible: MATHS 2107</i>)	3
PURE MTH 2106	Algebra II *	3
STATS 2107	Statistical Modelling and Inference II *	3
Level 3 (A minimum of 3 units at level 2 must be taken before taking level 3 courses)		
Plus 6 units from the following:		
APP MTH 3001	Applied Probability III *	3
APP MTH 3002	Fluid Mechanics III *	3
APP MTH 3014	Optimisation III *	3
APP MTH 3016	Random Processes III *	3
APP MTH 3021	Modelling with Ordinary Differential Equations III *	3
APP MTH 3023	Partial Differential Equations and Waves III *	3
APP MTH 3124	Decision Science III *	3
MATHS 3012	Financial Modelling: Tools & Techniques III *	3
MATHS 3026	Cryptography III *	3
PURE MTH 3002	Topology and Analysis III *	3
PURE MTH 3007	Groups and Rings III *	3
PURE MTH 3009	Integration and Analysis III *	3

PURE MTH	3019	Complex Analysis III *	3
STATS	3001	Statistical Modelling III *	3
STATS	3006	Mathematical Statistics III *	3
STATS	3022	Data Science III *	3
STATS	3023	Computational Bayesian Statistics III *	3
Capstone (Major Only) <i>(A minimum of 15 units in the major must be completed before taking the capstone)</i>			
MATHS	3021	Capstone Project in Mathematical Sciences III <i>*(incompatible MATHS 3020)</i>	3

* Courses have pre-requisites. Please check [Course Planner](#) before enrolling