

Academic Chair: [Graeme Hocking](#)

Start Date: Semester 1, 2024

Year 1 – 2024	Semester 1 Units	CP	Semester 2 Units	CP
	Primary Course Unit	3	Primary Course Unit	3
	Primary Course Unit	3	Primary Course Unit	3
	Primary Course Unit	3	MAS182 Introductory Calculus with Applications** or MAS162 Discrete Mathematics and Logic	3
	MAS164 Fundamentals of Mathematics*	3	MAS183 Statistical Data Analysis	3
Total	12	Total	12	
Year 2 - 2025	Semester 1 Units	CP	Semester 2 Units	CP
	Primary Course Unit	3	Primary Course Unit	3
	Primary Course unit	3	Primary Course Unit	3
	MAS161 Calculus and Matrix Algebra	3	Primary Course Unit or MAS223 Applied Statistics or Mathematical Modelling & Differential Equations* or MAS225 Optimisation and Graph Theory	3
	Primary Course unit or MAS224 Biostatistics	3	MAS223 Applied Statistics or Mathematical Modelling & Differential Equations* or MAS225 Optimisation and Graph Theory	3
Total	12	Total	12	
Year 3 - 2026	Semester 1 Units	CP	Semester 2 Units	CP
	Primary Course Unit	3	Primary Course Unit	3
	Primary Course Unit	3	Primary Course Unit	3
	MAS220 Mathematical Methods & Multivariable Calculus*	3	Primary Course Unit	3
	Primary Course unit or MAS351 Environmental & Biological Modelling or MAS352 Time series Analysis or MAS222 Probability and Statistical Inference	3	MAS353 – Statistical Design and Data Analysis and/or MAS354 – Modelling and Simulation	3
	Total	12	Total	12

TOTAL CREDIT POINTS 72

Semester 1 notes	Semester 2 notes
<p>*MAS164 is not necessary if you have Year 12 Mathematical Methods or equivalent. In that case see the Plan for that situation. You must do either MAS220 or MAS221. Note: All 100 level units are available in both semesters, so if you start mid-year you can swap around to maintain the sequence.</p>	<p>In S2, if you have not done MAS351 or MAS352 in S1 you will need to do both of MAS353 and MAS354 in S2 to fulfil the requirements inside 3 years. **If you have done Maths Specialist (ATAR), you do not need to do MAS182 (go straight to MAS161)</p>

Please note: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the [Handbook](#). Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at DD/MM/YY.