MJ-AMST Applied Mathematics & Statistics (Additional Major Only)
Maths Methods (ATAR) Preparation

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 or MAS183 Statistical Data Analysis	3	Primary Course Unit or MAS183 Statistical Data Analysis	3
MAS182 Introductory Calculus with Applications* or MAS162 Discrete Mathematics and Logic	3	MAS161 Calculus and Matrix Algebra	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
Primary Course unit or MAS222 Probability and Statistical Inference or MAS224 Biostatistics or MAS220 Mathematical Methods & Multivariable Calculus*	3	Primary Course Unit or MAS223 Applied Statistics or Mathematical Modelling & Differential Equations* or MAS225 Optimisation and Graph Theory	3
MAS222 Probability and Statistical Inference or MAS224 Biostatistics or MAS220 Mathematical Methods & Multivariable Calculus*	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
Primary Course Unit	3	Primary Course Unit	3
MAS351 Environmental & Biological Modelling and/or MAS352 Time series Analysis	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
*MAS182 is not necessary if you have Year 12 Specialist Mathematics or equivalent. 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.	If you chose one of MAS222 or MAS224 in Semester 1, then you will need to choose a Primary Course unit in Semester 2 (so only one Maths/Stats unit) and vice-versa. In Year 3 you need to 6 points from the 12 available Math/Stat units at 300 level.

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.