

# B1410 MJ-MASC Mathematics and Statistics (with Mathematical Methods (ATAR) preparation).

Academic Chair: [Phil Schrader](#)

Start Date: Semester 1 2026

Year 1 – 2026	Semester 1 Units	CP	Semester 2 Units	CP
	MAS182 Introductory Calculus with Applications*	3	MAS162 Discrete Mathematics and Logic	3
	MAS183 Statistical Data Analysis	3	MAS161 Calculus and Matrix Algebra	3
	PEN100 or ICT100	3	Discovery unit** or Elective	3
	Discovery unit** or Elective	3	Elective	3
	<b>Total</b>	<b>12*</b>	<b>Total</b>	<b>12</b>
Year 2 – 2027	Semester 1 Units	CP	Semester 2 Units	CP
	MAS220 Mathematical Methods & Multivariable Calculus	3	MAS223 Applied Statistics or Mathematical Modelling & Differential Equations or MAS225 Optimisation and Graph Theory	3
	MAS222 Probability and Statistical Inference or MAS224 Biostatistics	3	MAS223 Applied Statistics or Mathematical Modelling & Differential Equations or MAS225 Optimisation and Graph Theory or Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>
Year 3 – 2028	Semester 1 Units	CP	Semester 2 Units	CP
	1 or 2 of: MAS351 Environmental & Biological Modelling MAS352 Time series Analysis	3	2 or 1 of: MAS354 Modelling and Simulation or MAS353 Statistical Design and Data Analysis	3
	MAS351 Environmental & Biological Modelling or MAS352 Time series Analysis or Elective	3	MAS354 Modelling and Simulation or MAS353 Statistical Design and Data Analysis or Elective	3
	MAS300 or Elective	3	MAS300 or Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>12</b>

**TOTAL CREDIT POINTS 72**

## Notes

\*MAS182 is not necessary if you have Year 12 Specialist Mathematics ATAR or equivalent. In that case you may wish to do MAS161 in your first Semester.

\*\*You will need to take at least one discovery unit.

All units marked as “elective” may be replaced by units in another Major to complete that major.

In Year 3, you need to choose 9 points from those listed as “1 or 2 of” and “2 or 1 of”. You should choose the unit in your major to specialise in either Mathematics or Statistics. If unsure please contact the Unit Coordinator or Academic Chair.

**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 1/12/2025.