

# B1410 BSc Mathematical Science – Maths Methods (ATAR) Preparation

Academic Chair: [Phil Schrader](#)

Start Date: Semester 2, 2026

**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](#). To explore alternative course plans, use the [Course Visualiser](#) or contact the Academic Chair.

Year 1 – 2026/27	<b>Semester 2 2026</b>		<b>CP</b>	<b>Semester 1 2027</b>		<b>CP</b>
	MAS182 Introductory Calculus with Applications*	3		MAS161 Calculus and Matrix Algebra	3	
	MAS183 Statistical Data Analysis	3		MAS162 Discrete Mathematics and Logic or Elective	3	
	Discovery unit or Elective	3		PEN100	3	
	Elective	3		Discovery unit or Elective	3	
	<b>Total</b>	<b>12</b>		<b>Total</b>	<b>12</b>	
Year 2 – 2027/28	<b>Semester 2 2027</b>		<b>CP</b>	<b>Semester 1 2028</b>		<b>CP</b>
	MAS223 Applied Statistics or MAS221 Mathematical Modelling & Differential Equations or MAS225 Optimisation and Graph Theory	3		MAS220 Mathematical Methods & Multivariable Calculus or MAS224 Biostatistics or MAS222 Probability and Statistical Inference	3	
	Any MAS2xx or MAS3xx**	3		Any MAS2xx or MAS3xx**	3	
	Elective	3		Elective	3	
	Elective	3		Elective	3	
		<b>Total</b>	<b>12</b>		<b>Total</b>	<b>12</b>
Year 3 – 2028/29	<b>Semester 2 2028</b>		<b>CP</b>	<b>Semester 1 2029</b>		<b>CP</b>
	MAS353 – Statistical Design and Data Analysis or MAS354 – Modelling and Simulation	3		MAS351 Environmental & Biological Modelling or MAS352 Time series Analysis	3	
	MAS353 – Statistical Design and Data Analysis or MAS354 – Modelling and Simulation or Elective	3		MAS351 Environmental & Biological Modelling or MAS352 Time series Analysis or Elective	3	
	Elective	3		MAS300 Quantitative Projects and Consulting Or Elective	3	
	Elective	3		Elective	3	
		<b>Total</b>	<b>12</b>		<b>Total</b>	<b>12</b>

**TOTAL CREDIT POINTS 72**

## Notes

- You must complete at least one of MAS220 or MAS221, and one of MAS222, MAS223, or MAS224.
- You must complete at least three of MAS351, MAS352, MAS353, MAS354.
- You must complete at least one Discovery Unit
- Electives may be used to complete another major.

\*MAS182 is not necessary if you have Year 12 Mathematics Specialist or equivalent. In this case you must take MAS162 instead.

\*\*For which you have completed the prerequisites.