MJ-MASC Mathematics and Statistics (with Mathematical Applications (ATAR) preparation.)

Academic Chair: Graeme Hocking   **Start Date:**   Semester 2 2024

			Semester 2 Units (2024)	CP
Year 1 – 2024			MAS164 Fundamentals of Mathematics*	3
			MAS183 Statistical Data Analysis**	3
			MSP100 Career Learning: Managing your career	3
			Elective	3
			Total	12

	Semester 1 Units (2025)	CP	Semester 2 Units (2025)	CP
Year 2 - 2025	MAS162 Discrete Mathematics and Logic	3	MAS221 Mathematical Modelling & Differential Equations or MAS223 Applied Statistics or MAS225 Optimisation and Graph Theory	3
	MAS182 Introductory Calculus with Applications	3	MAS221 Mathematical Modelling & Differential Equations or MAS223 Applied Statistics or MAS225 Optimisation and Graph Theory	3
	BSC100 or ICT100	3	MSP200 or MSP201 or Elective	3
	Elective	3	Elective	3
	Total	12*	**Total**	12

	Semester 1 Units (2026)	CP	Semester 2 Units (2026)	CP
Year 3 - 2026	MAS161 Calculus and Matrix Algebra	3	2 or 1 of; MAS354 Modelling and Simulation or MAS353 Statistical Design and Data Analysis	3
	MAS222 Probability and Statistical Inference or MAS224 Biostatistics	3	MAS354 Modelling and Simulation or MAS353 Statistical Design and Data Analysis or Elective	3
	MSP200 or MSP201 or Elective	3	MAS300 or Elective	3
	Elective	3	Elective	3
	Total	12	**Total**	12

	Semester 1 Units (2027)	CP		
Year 4 - 2027	MAS220 Mathematical Methods & Multivariable Calculus	3		
	1 or 2 of; MAS351 Environmental & Biological Modelling MAS352 Time series Analysis	3		
	MAS300 or Elective	3		
	Elective	3		
	Total	12		

TOTAL CREDIT POINTS   72

Semester 1 notes	Semester 2 notes
All units marked as "elective" may be replaced by units in another Major to complete that major. Under normal circumstances, you would not choose to	*MAS164 is not necessary if you have Year 12 Mathematical Methods ATAR or equivalent. In that case you should see the Course plan for that situation.

do both MAS223 AND MAS224. In Year 3, you need to choose 9 points from those listed as "1 or 2 of" and "2 or 1 of".	**If you feel very insecure about starting University Maths you may wish to do MAS183 in S1 and BSC100 or ICT100 in S2. You should choose the unit in your major to specialise in either Mathematics or statistics. If unsure you should contact the Unit Coordinator.

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.