



Bachelor of Advanced Science (Honours) 3962 – MATHG1 Physical Oceanography – T3 2026 START

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Program: Advanced Science (Honours) [3962]

Year 1 Term 3

Course or Activity	Prerequisites	Credits
MATH1141 Higher Mathematics 1A		6
SCIF0000 Introduction to University		0
<i>PHYS1121 or PHYS1131</i>		6
<i>Free Electives</i>		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
<i>PHYS1221 or PHYS1231</i>		6
<i>Free Electives</i>		6
<i>Free Electives</i>		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
MATH1241 Higher Mathematics 1B	MATH1141	6
<i>General Education</i>		6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
SCIF1001 Advancing Science		6
<i>Free Electives</i>		6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
MATH2111 Higher Several Variable Calculus	MATH1241	6
MATH2241 Introduction to Atmosphere and Ocean Dynamics	MATH1241	6
MATH2301 Mathematical Computing	MATH1241	6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
MATH2221 Higher Theory and Applications of Differential Equations	MATH1241	6

<i>Free Electives</i>		6
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Year 3 Term 3

Course or Activity	Prerequisites	Credits
SCIF2001 Level 2 Research Skills	SCIF1001	6
<i>Science Electives</i>		6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
PHYS2801 Fundamentals of Atmospheric Science	MATH1141	6
<i>Free Electives</i>		6
<i>General Education</i>		6

Year 4 Term 2

Course or Activity	Prerequisites	Credits
CLIM3001 Climate Systems Science	PHYS2801, MATH2241	6
MSCI3001 Physical Oceanography		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
MATH3261 Fluids, Oceans and Climate	MATH2221, MATH2111	6
SCIF3010 Graduation Portfolio	SCIF1001	0
<i>Level 3 Prescribed Electives</i>		6

*Lock: Students are required to take these courses within the specified semester