

Bachelor of Advanced Science (Honours) 3962 – MATHG1 Physical Oceanography – T2 2026 START

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Program: Advanced Science (Honours) [3962]

Year 1 Term 2

| Course or Activity | Prerequisites | Credits |
|-------------------------------------|---------------|---------|
| SCIF0000 Introduction to University | | 0 |
| <i>PHYS1121 or PHYS1131</i> | | 6 |
| <i>Free Electives</i> | | 6 |
| <i>Free Electives</i> | | 6 |

Year 1 Term 3

| Course or Activity | Prerequisites | Credits |
|--------------------------------|---------------|---------|
| MATH1141 Higher Mathematics 1A | | 6 |
| <i>PHYS1221 or PHYS1231</i> | | 6 |
| <i>Free Electives</i> | | 6 |

Year 2 Term 1

| Course or Activity | Prerequisites | Credits |
|--------------------------|---------------|---------|
| <i>Science Electives</i> | | 6 |
| <i>General Education</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 |

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| MATH2301 Mathematical Computing | MATH1241 | 6 |
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Year 3 Term 2

| Course or Activity | Prerequisites | Credits |
|---|---------------|---------|
| MATH2221 Higher Theory and Applications of Differential Equations | MATH1241 | 6 |
| <i>Free Electives</i> | | 6 |

Year 3 Term 3

| Course or Activity | Prerequisites | Credits |
|----------------------------------|---------------|---------|
| SCIF2001 Level 2 Research Skills | SCIF1001 | 6 |

Year 4 Term 1

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