

Bachelor of Coastal and Marine Science

TRANSITION ARRANGEMENTS - INFORMATION FOR STUDENTS WHO COMMENCED IN THE PROGRAM PRIOR TO 2021

Changes have been made to the Bachelor of Coastal and Marine Science program from 2021 onwards. Information including the changes to the overall structure of the program, changes to existing minors, and frequently asked questions can be found in the following pages.

From 2021, the **Program Structure** has changed as follows:

2020 Program Structure – 240 units	2021 Program Structure – 240 units	Changes
Core Courses – 90 units <ul style="list-style-type: none"> MARI1000 SCIE1002 ENVS2004 GEOS2161 MARI2300 MARI2500 GEOS3220 MARI3300 MARI3320 	Core Courses – 100 units <ul style="list-style-type: none"> MARI1000 SCIE1002 ENVS2004 GEOS2161 MARI2300 MARI2500 SCIE2223 GEOS3220 MARI3300 MARI3320 	Addition of <ul style="list-style-type: none"> SCIE2223
Mathematics Directed Course – 10 units <ul style="list-style-type: none"> MATH1001 MATH1002 MATH1110 MATH1120 MATH1210 	Mathematics Directed Course – 10 units <ul style="list-style-type: none"> MATH1001 MATH1002 MATH1110 	Removal of <ul style="list-style-type: none"> MATH1120 MATH1210
Statistics Directed Course – 10 units STAT1020 or STAT1070	Statistics Directed Course – 10 units STAT1020 or STAT1070	No changes
3000 Level Directed Course – 10 units ENVS3008 or ENVS3500	3000 Level Directed Course – 10 units ENVS3008 or ENVS3500	No changes
Minors available – 40 units <ul style="list-style-type: none"> Animal Biology Biodiversity and Conservation Cell and Molecular Biology Chemistry Coastal and Surface Processes Communication Education Studies Environmental Regulation Geography Indigenous Environmental and Community Practice Microbiology Natural History Illustration Plant Biology Politics and Policy Social Science Tourism Water and Resource Management 	Minors available – 40 units <ul style="list-style-type: none"> Animal Biology Biodiversity and Conservation Cell and Molecular Biology Chemistry Coastal and Surface Processes Communication Education Studies Environmental Regulation Environmental Science Environmental Toxicology and Health Food Science Geography Indigenous Environmental and Community Practice Microbiology Plant Biology Public and Community Health Riparian Restoration and Sustainability Social Science Sustainability Tourism and Event Management Water and Resource Management 	Removal of <ul style="list-style-type: none"> Modelling Natural History Illustration Politics and Policy Addition of <ul style="list-style-type: none"> Environmental Science Environmental Toxicology and Health Food Science Public and Community Health Riparian Restoration and Sustainability Sustainability
Electives – 80 units	Electives – 70 units	Changed to 70 units

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Frequently Asked Questions

Does this change what I need to enrol in?

Only students who commence the program from 2021 are required to complete SCIE2223. However depending on which minor you are completing, the courses you need to complete may have changed.

What minors have been updated?

The following minors have been updated. Please refer to the transition information for each minor in the following pages. If you are completing one of the minors listed below, you should only be referring to the transition information on the following pages for your minor. The information on the Program Handbook has been updated for students who commence in 2021 onwards, you do not follow the 2021 program handbook.

- Animal Biology
- Biodiversity and Conservation
- Chemistry
- Coastal and Surface Processes
- Communication
- Education Studies
- Geography
- Plant Biology
- Tourism (renamed to Tourism and Event Management for students who commence in 2021 onwards)

Can I still complete my minor in Modelling/Natural History Illustration/Politics and Policy?

If you are completing a minor in Modelling, or Natural History Illustration, or Politics and Policy, you can still complete your minor. The courses you will need to complete have changed, please refer to the following pages. The minor courses you have already completed will still count towards your minor.

Can I complete one of the new minors?

You can complete one of the new minors as long as you have room left in your program. You cannot complete more than 240 units. Please email programadvice@newcastle.edu.au to check if you have room in your program to complete one of the new minors.

Will this delay my graduation?

No. As the changes do not increase the total number of courses you need to complete, these changes will not delay your graduation.

I have completed MATH1120 or MATH1210, does it still count as my Mathematics Directed Course?

Yes, if you have completed MATH1120 or MATH1210 it will still count as your Mathematics Directed Course.

Do I need to complete SCIE2223?

Only students who commence the program from 2021 are required to complete SCIE2223. However if you want to complete it as an elective you can, as long as you have room left in your program. You cannot complete more than 240 units.

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Animal Biology Minor Transition Arrangements

Compulsory courses – choose 30 units

BIOL1001	Molecules, Cells and Organisms	10 units
BIOL1002	Organisms to Ecosystems	10 units
BIOL3020	Animal Physiology, Reproduction and Development	10 units

Directed courses – choose 10 units

~BIOL2020	Animal Physiology and Development	10 units
BIOL2050	Molecular Genetics	10 units

Key

~ Course no longer offered, if you have already completed this course it still counts towards your minor.

Biodiversity and Conservation Minor Transition Arrangements

Directed courses – choose 40 units including no more than 20 units at 1000 level

BIOL1002	Organisms to Ecosystems	10 units
ENVS1001	Environmental Science Concepts and Methods	10 units
ENVS1003	Environmental Values and Ethics	10 units
ENVS2005	Management of Australian Flora	10 units
ENVS2006	Ecology and Management of Wildlife	10 units
ENVS3003	Conservation Biology	10 units
ENVS3005	Animal Behaviour	10 units

Chemistry Minor Transition Arrangements

Compulsory courses

CHEM1010	Introductory Chemistry I	10 units
CHEM1020	Introductory Chemistry II	10 units
CHEM2110	Applied Analytical Chemistry	10 units

Directed courses – choose 10 units

CHEM2310	Organic Chemistry	10 units
~CHEM2610	Environmental Chemistry I	10 units

Key

~ Course no longer offered, if you have already completed this course it still counts towards your minor.

Coastal and Surface Processes Minor Transition Arrangements

Directed courses – choose 40 units

GEOS1040	Earth: The Dynamic Planet	10 units
GEOS1050	Earth Processes and Products	10 units
GEOS2050	River Basin Processes	10 units
GEOS3220	Coastal Environments and Processes	10 units
GEOS3250	Advanced Spatial Science	10 units

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Communication Minor Transition Arrangements		
Directed courses – choose 40 units including no more than 20 units at 1000 level		
CMNS1000	Digital and Social Media	10 units
CMNS1090	Media Storytelling	10 units
~CMNS1230	Foundations of Media Production	10 units
CMNS1234	Media and Communication Concepts	10 units
CMNS1240	Mobile Media Making	10 units
~CMNS2005	Cinematography	10 units
CMNS2016	Social and Interactive Media	10 units
CMNS2280	Feature Writing	10 units
CMNS2700	Communication Research and Data Analytics	10 units
~STEC2100	Science and Professional Communication	10 units
Key		
~ Course no longer offered, if you have already completed this course it still counts towards your minor.		

Education Studies Minor Transition Arrangements		
Directed courses – choose 40 units		
~EDUC1001	Educational Philosophy	10 units
EDUC2052	Specialist Studies in Science 1	10 units
EDUC2102	Educational Psychology: Learners and the Learning Process	10 units
EDUC2200	The Future of Teaching and Learning	10 units
EDST2090	Teaching Scientific Literacy	10 units
~STEC2100	Science and Professional Communication	10 units
EDUC3157	History, Nature and Practice of Science	10 units
EDUC3810	Teaching Science with The Creative Arts	10 units
EDUC4110	STEM - an exercise in integration	10 units
EDUC4807	Educating for Ecologically Sustainable Communities	10 units
Key		
~ Course no longer offered, if you have already completed this course it still counts towards your minor.		

Geography Minor Transition Arrangements		
Compulsory courses – 30 units		
GEOG1020	Introduction to Human Geography	10 units
GEOS1040	Earth: The Dynamic Planet	10 units
GEOS3250	Advanced Spatial Science	10 units
Directed courses – choose 10 units		
ENVS2008	The Sustainable Society	10 units
GEOG2080	Cities and Regions	10 units
GEOG2130	Geographies of Development	10 units
GEOG2161	Spatial Science	10 units

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Modelling Minor Transition Arrangements		
Compulsory courses – 10 units		
MATH1800	Mathematical Modelling	10 units
Directed courses – choose 10 units		
MATH1120	Mathematics for Engineering, Science and Technology 2	10 units
~MATH1210	Mathematical Discovery 1	10 units
~MATH1220	Mathematical Discovery 2	10 units
Directed courses – choose 20 units		
MATH2310	Calculus of Science and Engineering	10 units
MATH2800	Ordinary Differential Equations	10 units
MATH2920	Thinking and Working Mathematically	10 units
STAT2000	Applied Statistics and Research Methods	10 units
STAT2020	Predictive Analytics	10 units
STAT3100	Systems Thinking for an Integrated Workforce	10 units
Key		
~ Course no longer offered, if you have already completed this course it still counts towards your minor.		

Natural History Minor Transition Arrangements		
Directed courses – choose 40 units including no more than 20 units at 1000 level		
DESN1011	Introduction to Visual Design Principles	10 units
DESN1200	Design Drawing Foundations	10 units
DESN2040	Commercial Illustration 1	10 units
DESN2060	Scientific Illustration	10 units
DESN3730	Visual Storytelling in Transmedia Practice	10 units
~NHIL1001	Natural History Field Studies 1	10 units
~NHIL1003	Natural History Field Studies 2	10 units
~NHIL1005	Introduction to Botanical Scientific Drawing	10 units
~NHIL2001	Advanced Field Studies	10 units
~NHIL2002	Natural History Theoretical Studies	10 units
~NHIL2004	Anatomical and Medical Illustration	10 units
Key		
~ Course no longer offered, if you have already completed this course it still counts towards your minor.		

Politics and Policy Minor Transition Arrangements		
Directed courses – choose 40 units		
POLI1010	Australian Politics and Government	10 units
POLI1020	Introduction to Politics	10 units
~POLI2180	Politics, Policy and Government	10 units
~POLI3001	Organisations, Politics and Society	10 units
POLI3002	Power and the State	10 units
~POLI3130	Principles of Public Policy	10 units
POLI3180	Politics, Policy and Government	
Key		
~ Course no longer offered, if you have already completed this course it still counts towards your minor.		

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Plant Biology Minor Transition Arrangements		
Compulsory courses – 30 units		
BIOL1001	Molecules, Cells and Organisms	10 units
BIOL1002	Organisms to Ecosystems	10 units
BIOL2220	Plant Adaptation to Climate Change	10 units
Directed courses – choose 10 units		
BIOL2050	Molecular Genetics	10 units
~BIOL3330	Plant Development and Physiology	10 units
Key		
~ Course no longer offered, if you have already completed this course it still counts towards your minor.		

Tourism Minor Transition Arrangements		
Directed courses – choose 40 units		
LEIS1000	Leisure Behaviour and Organisation	10 units
LEIS2001	Event Operations Management	10 units
~TOUR2002	Managing Leisure Experiences	10 units
TOUR2003	Global Tourism Management	10 units
LEIS3003	Event Strategy and Management	10 units
LEIS3100	Volunteer Management	10 units
~TOUR3000	Tourism and Environmental Management	10 units
TOUR3003	Destination Management and Marketing	10 units
Key		
~ Course no longer offered, if you have already completed this course it still counts towards your minor.		

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