

Bachelor of Science [40165] – Environmental Science majors

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

Changes have been made to the Bachelor of Science majors from 2021 onwards. Information regarding the changes to the below majors as well as frequently asked questions can be found in the following pages. If you are completing a double major please also refer to the transition arrangements for your second major.

Major	From 2021
Biodiversity and Conservation	This major has some changes to its courses.
Biodiversity, Conservation and Ecological Sciences	This major will not be available to new students.
Environmental Remediation	This major will not be available to new students.
Marine and Coastal Science	This major has some changes to its courses.
Marine, Coastal and Ecological Sciences	This major will not be available to new students.
Sustainable Resource Management	This major will not be available to new students.

Frequently Asked Questions

Can I still complete my major?

Yes, you will still be able to complete your major. Students completing the Biodiversity and Conservation major, or the Marine and Coastal Science major, will continue to complete the Pre-2021 as outlined in the following pages. Students completing the Biodiversity, Conservation and Ecological Sciences major; Environmental Remediation major; Marine, Coastal and Ecological Sciences major or the Sustainability Resource Management Major will refer to the Transition Arrangements table on the following pages.

Does this change what I need to enrol in?

The courses you need to enrol in may have changed, however, you will not be required to complete more than the 240 units required for your program.

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 a course that is no longer offered, or a course that has had a name change. Does it still count?

Yes, all courses successfully completed prior to 2021 will continue to count towards your program and major requirements. Please see the transition table information to check your remaining major requirements.

Can I still complete my double major?

Yes, you can still complete your double major but you must ensure that you refer to transition information related to your second major for information on any changes occurring in your second major. Please email programadvice@newcastle.edu.au before enrolment to check that the courses you plan to complete will make you eligible for the double major. It is not possible to complete a double major if you are completing a 120 unit major.

If you have any questions, please contact your Academic Program Advisor at programadvice@newcastle.edu.au.

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

Biodiversity and Conservation Major Pre-2021			Biodiversity and Conservation Major 2021 onwards		
Compulsory Courses - 50 units			Compulsory Courses - 50 units		
ENVS1001	Environmental Science Concepts and Methods	10 units	ENVS1001	Environmental Science Concepts and Methods	10 units
ENVS1003	Environmental Values and Ethics	10 units	ENVS1003	Environmental Values and Ethics	10 units
ENVS3003	Conservation Biology	10 units	ENVS3003	Conservation Biology	10 units
ENVS3004	Ecotoxicology	10 units	ENVS3004	Ecotoxicology	10 units
ENVS3005	Animal Behaviour	10 units	ENVS3005	Animal Behaviour	10 units
2000 Level Directed courses – Complete 20 units			2000 Level Directed courses – Complete 20 units		
ENVS2004	Ecology	10 units	ENVS2004	Ecology	10 units
ENVS2005	Management of Australian Flora	10 units	ENVS2005	Management of Australian Flora	10 units
ENVS2006	Ecology and Management of Wildlife	10 units	ENVS2006	Ecology and Management of Wildlife	10 units
3000 level Directed courses – Complete 10 units			3000 level Directed courses – Complete 10 units		
~ENVS3009	Advanced Water Science and Resource Management	10 units	~ENVS3009	Advanced Water Science and Resource Management	10 units
^ENVS3400	Advanced Research Project	10 units			
*MARI3320	Experimental Design and Analysis in Ecology	10 units	*MARI3320	Experimental Design and Analysis in Ecology	10 units
^MARI3330	Marine Fisheries Biology and Management	10 units			
+SCIE3500	Research Integrated Learning	10 units	+SCIE3500	Research Integrated Learning	10 units
SRMT3060	Restoration Ecology	10 units	SRMT3060	Restoration Ecology	10 units
Key					
^ Course no longer offered, if you have already completed this course it still counts towards your major.					
~ Course offered at Callaghan only					
+ Course added to your major					
* Prior to 2021 MARI3320 was named Ecological Methodology.					

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

Biodiversity, Conservation and Ecological Sciences Major – 120 units Transition Arrangements

Compulsory courses – 70 units

ENVS1001	Environmental Science Concepts and Methods	10 units
ENVS1003	Environmental Values and Ethics	10 units
MARI1000	Our Oceans	10 units
ENVS2009	Catchment and Water Resource Management	10 units
ENVS3003	Conservation Biology	10 units
ENVS3004	Ecotoxicology	10 units
ENVS3005	Animal Behaviour	10 units

2000 Level Directed courses – Complete 20 units

ENVS2004	Ecology	10 units
ENVS2005	Management of Australian Flora	10 units
ENVS2006	Ecology and Management of Wildlife	10 units

3000 Level Directed courses – Complete 30 units

+ECON3006	Environmental Economics	10 units
~ENVS3009	Advanced Water Science and Resource Management	10 units
^ENVS3400	Advanced Research Project	10 units
MARI3320	Experimental Design and Analysis in Ecology	10 units
^MARI3330	Marine Fisheries Biology and Management	10 units
+MARI3410	Coral Reef Biology, Ecology and Sustainability	10 units
SRMT3060	Restoration Ecology	10 units

Key

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

~ Course offered at Callaghan only.

+ Course added to major.

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Environmental Remediation Major – 120 units Transition Arrangements

Compulsory courses – 100 units

CHEM1010	Introductory Chemistry I	10 units
CHEM1020	Introductory Chemistry II	10 units
GEOS1040	Earth: The Dynamic Planet	10 units
GEOS1050	Earth Processes and Products	10 units
*CHEM2110	Applied Analytical Chemistry	10 units
GEOS2050	Catchments and Climate	10 units
GEOS2161	Spatial Science	10 units
CHEM3110	Instrumental Chemical Analysis	10 units
ENVS3004	Ecotoxicology	10 units
ENVS3007	Environmental Remediation	10 units

2000 Level Directed courses – Complete 10 units

+*CHEM2210	Materials Chemistry	10 units
+CHEM2310	Organic Chemistry	10 units
^CHEM2610	Environmental Chemistry I	10 units

3000 Level Directed courses – Complete 10 units

GEOS3250	Advanced Spatial Science	10 units
GEOS3340	Climate Change and Resource Management	10 units

Key

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

+ Course added to major.

* Prior to 2021 the following courses were named:-

CHEM2110 Analytical Chemistry

CHEM2210 Inorganic Chemistry

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Marine and Coastal Science Major Pre-2021			Marine and Coastal Science Major 2021 Onwards		
Compulsory Courses – 50 units			Compulsory Courses – 50 units		
MARI1000	Our Oceans	10 units	MARI1000	Our Oceans	10 units
MARI2300	Marine Biology	10 units	MARI2300	Marine Biology	10 units
#MARI2500	Coastal and Marine Ecosystem Services	10 units	MARI2500	Coastal and Marine Ecosystem Services	10 units
MARI3300	Integrated Coastal Ecosystems	10 units	MARI3300	Integrated Coastal Ecosystems	10 units
*MARI3320	Experimental Design and Analysis in Ecology	10 units	*MARI3320	Experimental Design and Analysis in Ecology	10 units
1000 Level Directed courses – Complete 10 units			1000 Level Directed courses – Complete 10 units		
ENVS1001	Environmental Science Concepts and Methods	10 units	ENVS1001	Environmental Science Concepts and Methods	10 units
ENVS1003	Environmental Values and Ethics	10 units	ENVS1003	Environmental Values and Ethics	10 units
3000 Level Directed courses – Complete 20 units			3000 Level Directed courses – Complete 20 units		
ENVS3005	Animal Behaviour	10 units	ENVS3005	Animal Behaviour	10 units
~ENVS3009	Advanced Water Science and Resource Management	10 units	~ENVS3009	Advanced Water Science and Resource Management	10 units
^ENVS3400	Advanced Research Project	10 units			
MARI3410	Coral Reef Biology, Ecology and Sustainability	10 units	MARI3410	Coral Reef Biology, Ecology and Sustainability	10 units
+SCIE3500	Research Integrated Learning	10 units	+SCIE3500	Research Integrated Learning	10 units
Key					
^ Course no longer offered, if you have already completed this course it still counts towards your major.					
~ Course offered at Callaghan only					
+ Course added to your major					
# Students who have completed both MARI2320 and MARI3330 are not required to complete MARI2500 and need to complete 10 units of 3000 Level Directed courses. Students who have completed one but not both of MARI2320 and MARI3330 are required to complete MARI2500 and 10 units of 3000 Level Directed courses.					
* Prior to 2021 MARI3320 was named Ecological Methodology.					

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Marine, Coastal and Ecological Sciences Major – 120 units Transition Arrangements

Compulsory courses – 70 units

MARI1000	Our Oceans	10 units
ENVS2009	Catchment and Water Resource Management	10 units
MARI2300	Marine Biology	10 units
#MARI2500	Coastal and Marine Ecosystem Services	10 units
ENVS3004	Ecotoxicology	10 units
MARI3300	Integrated Coastal Ecosystems	10 units
*MARI3320	Experimental Design and Analysis in Ecology	10 units

1000 Level Directed courses – Complete 10 units

ENVS1001	Environmental Science Concepts and Methods	10 units
ENVS1003	Environmental Values and Ethics	10 units

3000 Level Directed courses – Complete 40 units

ECON3006	Environmental Economics	10 units
ENVS3005	Animal Behaviour	10 units
~ENVS3009	Advanced Water Science and Resource Management	10 units
^ENVS3400	Advanced Research Project	10 units
MARI3410	Coral Reef Biology, Ecology and Sustainability	10 units
+SCIE3500	Research Integrated Learning	10 units

Key

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

+ Course added to major.

~ Course offered at Callaghan only.

Students who have completed both MARI2320 and MARI3330 are not required to complete MARI2500 and need to complete 30 units of 3000 Level Directed courses.
Students who have completed one but not both of MARI2320 and MARI3330 are required to complete MARI2500 and 30 units of 3000 Level Directed courses.

* Prior to 2021 MARI3320 was named Ecological Methodology.

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Sustainable Resource Major – 80 units		
Transition Arrangements		
Compulsory courses – 60 units		
ENVS1001	Environmental Science Concepts and Methods	10 units
ENVS1003	Environmental Values and Ethics	10 units
ENVS2009	Catchment and Water Resource Management	10 units
ENVS3001	Integrated Impact Assessment	10 units
ENVS3003	Conservation Biology	10 units
SRMT3060	Restoration Ecology	10 units
2000 Level Directed courses – Complete 10 units		
ENVS2005	Management of Australian Flora	10 units
ENVS2006	Ecology and Management of Wildlife	10 units
3000 Level Directed courses – Complete 10 units		
+ENVS3009	Advanced Water Science and Resource Management	10 units
+SCIE3500	Research Integrated Learning	10 units
+ENVS3008	Organisational Placement in the Environmental Sector	10 units
^SRMT3040	Community Resource Management	10 units
Key		
^ Course no longer offered, if you have already completed this course it still counts towards your major.		
+ Course added to major.		