

Bachelor of Science – Marine Science & Sustainable Resource Management - Double Major

Suggested study pathways to careers in Coastal Zone Management.

This pathway must be read in conjunction with the program requirements in the Handbook at this link <http://www.newcastle.edu.au/program/10323.html> noting especially the program enrolment checklist (link half way down the first page)

	PROGRAM Core & Directed courses	MAJOR Compulsory & Directed courses	ELECTIVES - any available University course - suggested choices
1000 level (Yr 1)	STAT1070 Stats. for Sciences MATH1001 Prep. Stud. Math or MATH1110 Math 1	M1 (SRM) BIOL1050 Intro Biol 2 ENVS1003 Env. Values and Ethics ----- M2 (Marine) BIOL1040 Intro Biol 1. (BIOL1050 Intro Biol 2 – has been covered in SRM major)	CHEM1110 Chem. for Life Sci I CHEM1120 Chem. for Life Sci II ENVS1001 Env Sci. Con & Meth * PHYS1150 Everyday Phys Choose up to four 1000 level courses
2000 level (Yr 2)	SCIT2000 Science in Practice	M1 ENVS2005 Ecology & Mgt Aust Fauna ENVS2006 Ecology & Mgt Aust Flora ENVS2009 Catchments and Water Supply ----- M2 MARI2300 Marine Biol MARI2320 Marine Ecol (ENVS2009 Catchments and Water Supply – has been covered in SRM major)	GEOS2161 GIS & Remote Sensing * ENVS2004 Ecology * ENVS2001 Env Con: Energy ENVS2002 Env Legislation & Planning Choose a minimum of two 2000 level courses
3000 level (Yr 3)		M1 SRMT3040 Commun. Resource Mgt SRMT3050 Sustainable Land Mgt SRMT3060 Restoration Ecology ENVS3001 Int. Impact Ass Choose a minimum of four from M1 ----- M2 MARI3300 Estuarine. Ecology MARI3330 Marine Fish MARI3400 Marine Sci. Proj MARI3320 Ecol. Methodology MARI3410 Coral Reef Ecol Choose a minimum of four from M2.	

* Highly Recommended

IMPORTANT CAREERS AND PROGRAM INFORMATION OVERLEAF →

Link to this and other Career Pathways: <http://www.newcastle.edu.au/faculty/science-it/degree-programs/pathways/>

THIS INFORMATION IS CURRENT AS AT OCTOBER 2011 AND IS SUBJECT TO CHANGE



BACHELOR OF SCIENCE

MAJORS – Marine Science, Sustainable Resource Management.

PROGRAM INFORMATION

The Program Handbook lists all the rules you need to meet, plus courses required or available in the program. Link to the Bachelor of Science full information in the Handbook here: <http://www.newcastle.edu.au/program/10323.html>

In order to qualify for the Bachelor of Science award, a student must pass courses totalling 240 units, including:

- At least 160 units of approved science courses and obeying the structure of at least one Bachelor of Science Major. Approved science courses are all courses listed in the majors and co-majors of the Bachelor of Science, as well as the Approved Courses (Complementary to the Majors) listed below.
- Up to 80 units of general electives may be taken.
- A maximum of 100 units may be taken at 1000 level.

A Bachelor of Science Major consists of at least 90 units chosen from one area with at least 20 units at 1000 level, 30 units at 2000 level and 40 units at 3000 level. Students may also qualify for a double Science major or a co-major with Mathematics or Statistics.

The 160 units of approved science courses consist of core courses, compulsory courses, and directed courses including:

1000 LEVEL (60 units)	<ul style="list-style-type: none"> • 10 unit core course - STAT1070 • 10 unit Directed MATH course (unless exempt from MATH in which case another 1000 level B Science course must be chosen in its place) • 20 units 1000 level courses from your major • 20 units 1000 level approved science courses
2000 LEVEL (40 units)	<ul style="list-style-type: none"> • 10 unit core course - SCIT2000 • 30 units 2000 level courses from your major
3000 LEVEL (60 units)	<ul style="list-style-type: none"> • 40 units 3000 level courses from your major • 20 units 3000 level approved science courses

OTHER UNIVERSITY INFORMATION

What Can I Study

<http://www.newcastle.edu.au/what-can-i-study/science/>

Career Pathways

<http://www.newcastle.edu.au/faculty/science-it/degree-programs/pathways/>

School of Environmental Life Sciences - Study Information

<http://www.newcastle.edu.au/school/environmental-and-life-sciences/areas-of-study/>

The University Careers Service –

<http://www.newcastle.edu.au/service/careers/>

Study/employment options linked to Degree or a Major

<http://newcastle.edu.au/students/degrees-to-careers/>

Graduate Careers Australia - <http://www.graduatecareers.com.au/>

Course description Handbook <http://www.newcastle.edu.au/course/>

University General Enquiry number (02) 49215000 for help with study and administrative matters

CAREER INFORMATION – Coastal Management/Environmental Manager/Fisheries Manager/Environmental Education Officer

Graduates in this program will have the necessary skills and knowledge in the areas of both environmental resource management and marine science. There are career opportunities in all levels of the government, non-governmental organizations with involvement in environmental resource management, academic institutions and research organizations. Professions include, park ranger, environmental officer, environmental education officer, marine scientist, marine biologist etc.

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