

National Marine Science Centre Course Structure

Please note: Degree patterns re subject to change and students should check with their university before enrolment.

Southern Cross University	University of New England
<u>Bachelor of Marine Science and Management</u>	<u>Bachelor of Marine Science and Management</u>
Students must complete all core [A] units, nine [B] units and three other approved elective units. Further information is available through the SCU website www.scu.edu.au	Students must complete all core units [C] and eight elective units [E]. Further information is available through the UNE website www.une.edu.au
Year 1	
[A] Biology [A] Chemistry [A] Earth Systems I: The Lithosphere [A] Environmental Mapping [A] Ecology [A] Global Environmental Issues [A] Earth Systems II: The Hydrosphere [A] Environmental Information Management	Biology I [C] Biology II [C] Chemistry I [C] Basic Mathematical Methods in Science and Economics [C] Sustainable Management and Monitoring of Agricultural and Marine Systems [C] Statistical Modelling for the Sciences I [C] Geology and the Environment I [E] Geology and the Environment II [E] Sustaining Our Rural Environments [E]
Year 2	
[A] Coastal Marine Ecosystems [A] Wetlands Ecosystems [A] Environmental Information Analysis [A] Fisheries Biology [B] Coastal Geomorphology and Sedimentology [B] Environmental Chemistry	Plant Diversity [C] Marine and Freshwater Ecology [C] Ecological Gradients – Populations to Ecosystems [C] Ecological Methods [C] Vertebrate Zoology-Evolution and Diversity [C] Invertebrate Zoology [C] Aquaculture [E] Environmental and Analytical Chemistry [E] Introduction to GIS [E] Introductory Genetics [E]
Year 3	
[B] Marine Systems Science and Management [B] Survey Design (Successful Sampling) [B] Science for Management [B] Marine Communities as Sentinels of Change [B] Global Climate and Oceans Systems [B] Sustainable Use of the Marine Environment [B] Pollution of the Marine Environment [B] Coral Reefs on the Edge [B] Marine Mammals: Biology and Conservation	Marine Systems Science and Management [C] Successful Sampling [C] Marine Communities as Sentinels of Change [C] Global Climates and Ocean Systems [C] Pollution of the Marine Environment [C] Plants in Aquatic and Coastal Environments [E] Science for Management [E] (of the marine environment) Sustainable Use of the Marine Environment [E] Coral Reefs on the Edge [E] Remote Sensing and Spatial Data [E]