

PROGRAM PLAN

BACHELOR OF COASTAL AND MARINE SCIENCE

PROGRAM OPTION:

Double Minor

START DATE:

Semester 2, 2021

LOCATION:

Callaghan and Central Coast

This Program Plan is an enrolment guide to ensure you are on track to graduate. If at any time you wish to vary from this program plan seek advice from your Academic Program Advisor to ensure you remain on track.

 [PROGRAM HANDBOOK](#)

 [COURSE HANDBOOK](#)

NAME:

STUDENT NO.:

COURSE STATUS KEY

C = Completed

En = Enrolled

NS = Not Started

YEAR 1	SEMESTER 1					SEMESTER 2	MARI1000 Our Oceans ONLINE CORE	ELECTIVE 1000/2000/3000 level ELECTIVE	STAT DIRECTED STAT1070 OR STAT1020 DIRECTED	MINOR 1 1000 level MINOR
YEAR 2	SEMESTER 1	SCIE1002 Multidisciplinary Laboratories CORE	MINOR 1 1000/2000 level MINOR	MINOR 2 1000 level MINOR	MATH DIRECTED MATH1001 OR MATH1002 OR MATH1110 DIRECTED	SEMESTER 2	MARI2500 Coastal and Marine Ecosystem Services CORE	ENVS2004 Ecology CORE	GEOS2161 Spatial Science CORE	ELECTIVE 1000/2000/3000 level ELECTIVE
YEAR 3	SEMESTER 1	MARI2300 Marine Biology CORE	SCIE2223 Weather and Waves CORE	MINOR 1 2000/3000 level MINOR	MINOR 2 1000/2000 level MINOR	SEMESTER 2	MARI3300 Integrated Coastal Ecosystems CORE	3000 LEVEL DIRECTED 3000 level ENVS3008 OR ENVS3500 DIRECTED	MINOR 1 2000/3000 level MINOR	MINOR 2 2000/3000 level MINOR
YEAR 4	SEMESTER 1	MARI3320 Ecological Methodology CORE	GEOS3220 Coastal Environments and Processes CORE	MINOR 2 2000/3000 level MINOR	ELECTIVE 2000/3000 level ELECTIVE	SEMESTER 2				

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To be eligible to graduate make sure you have completed 240 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- Core courses – 100 units.
- Directed courses – 30 units (10 units of MATH*, 10 units of STAT at 1000 level and 10 units of ENVS at 3000 level).
- Minor 1 – 40 units from one discipline, visit the [Program Handbook](#) for more information.
- Minor 2** - 40 units from another discipline, visit the [Program Handbook](#) for more information.
- Elective courses – 30 units, visit the [Course Handbook](#) to see a list of available Electives.
- Students must not exceed 100 units at 1000 level in this program.
- Students must take a minimum of 40 units at the 2000 level
- Students must take a minimum of 60 units at the 3000 level.
- The duration of this program is 3 year full-time (40 units per semester) or part-time equivalent.
- The maximum time to complete this program is 8 years.

* Students choose their MATH Directed course based on previous mathematical background. See the [Enrolling in mathematics](#) – Maths Placement Test section of this page.

** Due to course overlap, minors must be selected from separate disciplines. Each minor must have 40 unique units.



Some courses have assumed knowledge and/or requisites, please refer to the individual [Course Handbook](#). Please refer to the [Program Handbook](#) for specific information on program structure. If you are intending varying from this program plan please seek advice from your [Academic Program Advisor](#).

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BACHELOR OF COASTAL AND MARINE SCIENCE

ANIMAL BIOLOGY MINOR

COMPULSORY COURSES

BIOL1001: Molecules, Cells and Organisms
BIOL1002: Organisms to Ecosystems
BIOL2050: Molecular Genetics
BIOL3020: Reproductive Physiology and Development

BIODIVERSITY AND CONSERVATION MINOR

COMPULSORY COURSES

BIOL1002: Organisms to Ecosystems
ENVS2005: Management of Australian Flora
ENVS2006: Ecology and Management of Wildlife

DIRECTED COURSES

Choose 10 units from the list below:

ENVS3003: Conservation Biology
ENVS3005: Animal Behaviour

CELL AND MOLECULAR BIOLOGY MINOR

COMPULSORY COURSES

BIOL1001: Molecules, Cells and Organisms
BIOL1002: Organisms to Ecosystems
BIOL2050: Molecular Genetics
BIOL3090: Molecular Biology

CHEMISTRY MINOR

COMPULSORY COURSES

CHEM1010: Introductory Chemistry I
CHEM1020: Introductory Chemistry II
CHEM2110: Analytical Chemistry
CHEM2310: Organic Chemistry

COASTAL AND SURFACE PROCESSES MINOR

COMPULSORY COURSES

GEOS1050: Earth Processes and Products
GEOS2050: River Basin Processes
GEOS3220: Coastal Environments and Processes
GEOS3250: Advanced Spatial Science

COMMUNICATION MINOR

DIRECTED COURSES

Complete 20 units from:

CMNS1000: Digital and Social Media
CMNS1090: Media Storytelling
CMNS1234: Media and Communication Concepts
CMNS1240: Mobile Media Making

DIRECTED COURSES

Complete 20 units from:

CMNS2016: Social and Interactive Media
CMNS2280: Feature Writing
CMNS2700: Communication Research and Data Analytics

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EDUCATION STUDIES MINOR

DIRECTED COURSES

Complete 40 units from:

EDUC2102: Educational Psychology: Learners and the Learning Process
EDUC2200: The Future of Teaching and Learning
EDST2090: Teaching Scientific Literacy
EDUC3157: History, Nature and Practice of Science

ENVIRONMENTAL REGULATION MINOR

COMPULSORY COURSES

LEGL1001: Foundations of Law
ENVS2002: Environmental Legislation & Planning
LEGL2002: Law of Business Organisations

DIRECTED COURSES

Complete 10 units from:

ERAR6001: Site Assessment and Planning
ERAR6006: Ecological Risk Assessment
LAWS6037: International Environment Law and Policy
LAWS6038: Law and Economics of Climate Change
LEGL6004: Law for Workplace Health & Safety
LEGL6005: Co-operative Law and Governance

ENVIRONMENTAL SCIENCE MINOR

COMPULSORY COURSES

ENVS1001: Environmental Science Concepts & Methods

DIRECTED COURSES

Complete 10 units from:

ENVS1002: Physical and Chemical environmental Systems
ENVS1003: Environmental Values and Ethics

DIRECTED COURSES

Complete 20 units from:

ENVS2002: Environmental Legislation & Planning
ENVS2005: Management of Australian Flora
ENVS2006: Ecology and Management of Wildlife
ENVS2009: Catchment and Water Resource Management

ENVIRONMENTAL TOXICOLOGY AND HEALTH MINOR

COMPULSORY COURSES

BIOL1002: Organisms to Ecosystems
ENVS3004: Ecotoxicology
ENVS3005: Animal Behaviour
ENVS6525: Sustainability and Ecosystem Health

FOOD SCIENCE MINOR

COMPULSORY COURSES

FSHN1010: Foods and Nutrients I
FSHN1020: Foods and Nutrients II
FSHN2040: Animal Food Products
FSHN2050: Plant Food Products

GEOGRAPHY MINOR

COMPULSORY COURSES

GEOG1020: Introduction to Human Geography
GEOS1040: Earth's Dynamic Systems
GEOS2161: Spatial Science
GEOS3250: Advanced Spatial Science

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INDIGENOUS ENVIRONMENTAL AND COMMUNITY PRACTICE MINOR

COMPULSORY COURSES

ABOR1110: Introduction to Aboriginal Studies
ABOR2243: Indigenous People, Global Warming and the Environment

DIRECTED COURSES

Complete 20 units from:

ABOR1370: Working with Aboriginal Communities
ABOR2244: Reconciling Australia's Colonial Past and Present
ABOR2330: Traditional Aboriginal Society

MICROBIOLOGY MINOR

COMPULSORY COURSES

BIOL1001: Molecules, Cells and Organisms
BIOL1002: Organisms to Ecosystems
BIOL2090: Microbial Biology
BIOL3100: Microbiology

PLANT BIOLOGY MINOR

COMPULSORY COURSES

BIOL1001: Molecules, Cells and Organisms
BIOL1002: Organisms to Ecosystems
BIOL2050: Molecular Genetics
BIOL2220: Plant Adaptation to Climate Change

PUBLIC AND COMMUNITY HEALTH MINOR

COMPULSORY COURSES

PUBH1000: Introduction to Population Health Challenges
PUBH1080: Studies in Population Health and Health Promotion
PUBH2060: Strategies for Health Behaviour Change in the Community
PUBH3300: Advanced Public Health

RIPARIAN RESTORATION AND SUSTAINABILITY MINOR

COMPULSORY COURSES

BIOL1002: Organisms to Ecosystems

DIRECTED COURSES

Complete 30 units from:

ENVS2002: Environmental Legislation and Planning
ENVS2005: Management of Australian Flora
ENVS2009: Catchment and Water Resource Management
ENVS3002: Environmental Management Perspectives
SRMT3060: Restoration Ecology

SOCIAL SCIENCE MINOR

COMPULSORY COURSES

SOCS1100: Professional Practice and Key Debates in Social Sciences

DIRECTED COURSES

Complete 30 units from:

SOCS2100: Organisational Management and Social Behaviour
SOCS2300: Ethical Debates in the Social Sciences
SOCS2400: Applied Social Research
SOCS3100: Policy Development, Program Management and Evaluation

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SUSTAINABILITY MINOR

COMPULSORY COURSES

ENVS1004: Social Development & the Environment
GEOG1020: Introduction to Human Geography

DIRECTED COURSES

Complete 20 units from:

ENVS2008: The Sustainable Society
GEOG2080: Cities and Regions
GEOG2130: Geographies of Development

TOURISM AND EVENT MANAGEMENT MINOR

DIRECTED COURSES

Choose 40 units from:

LEIS1000: Leisure Behaviour and Organisation
LEIS2001 Event Operations Management
LEIS3003 Event Strategy and Leadership
TOUR3003 Destination Management Marketing

WATER AND RESOURCE MANAGEMENT MINOR

COMPULSORY COURSES

ENVS1001: Environmental Science Concepts & Methods
ENVS1003: Environmental Values and Ethics
ENVS2009: Catchment and Water Resource Management
ENVS3009: Advanced Water Science and Resource Management