



Australia's
Global
University



UNSW Science

School of Biological, Earth and Environmental Sciences (BEES)

BEES at a glance

The School of Biological, Earth and Environmental Sciences (BEES) examines life from the core of the Earth to its upper atmosphere as well as back in time through to the present and modelling towards the future. The school in its entirety allows for a complete exploration and understanding of the environment and world around us.

Take advantage of newly renovated, award-winning facilities like the Biological Sciences Building that were updated to create an inspirational learning and research space for our Bioscience students. Research students also have the opportunity to experience field trips in amazing rural locations all around Australia.

Majors

Biology

Biology is the science of life. Biologists explore how living organisms function, grow, evolve and relate to one another and the environment in which they live.

Marine and Coastal Science

Marine Science looks at all aspects of the marine environment, encompassing many sciences from biology to geology. Marine biologists study life on the shore and in the oceans and estuaries, whereas marine geologists examine the structure and topography of the ocean floor, ocean sedimentation and marine resources.

Ecology

Ecology explores how various organisms including mammals, invertebrates, birds, fish, reptiles, amphibians, plants and microbes interact with one another and with their environment.

Earth Science

Earth Science is the science of the nature and evolution of our planet covering everything from the structure of natural crystals and formation of fossils to the powerful forces that drive earthquakes and volcanoes and move continents across the globe. Combine outdoor adventure and the use of sophisticated technology in places all around the world.

Geography

Geography is the study of Earth's landscapes, peoples, places and environments. It is, quite simply, about the world in which we live. Students will study how natural and built environments function and change over time, or how these environments enhance or constrain human activity.

Climate Science

Climate System Science explores the science of Earth's climate system. This encompasses learning about the fundamentals of atmospheric science, oceanography, land processes and interactions, and chemistry. Students have the option of focusing their studies in areas such as climate and vegetation, hydrology, biology, biogeochemistry, or environmental and resource management.



BEES majors can be studied within the following UNSW degrees:

Degrees

Bachelor of Science | Bachelor of Advanced Science (Honours) | Bachelor of Life Sciences
 Bachelor of Science (International) | Bachelor of Science & Business
 Bachelor of Environmental Management

BEES Sample Degree Outline

<p>Year 1: Setting the Foundations</p>	<p>Ecology and Sustainability Evolutionary and Functional Biology Environmental Systems and Processes Environmental Earth Science The Marine Environment</p>
<p>Year 2: Exploring BEES</p>	<p>Vertebrate Zoology Biology of Invertebrates Flowering Plants Evolutionary and Physiological Ecology Australian Climate and Vegetation Introduction to Marine Science Human Origins Life Through Time Australian Surface Environment and Landforms Climate Change Atmospheric Science Urban Environments Earth Materials Earth's Interconnections Geographic Information Systems Field Methods and Mapping Data Analysis for Life and Earth Sciences</p>
<p>Year 3: Specialising in a BEES area</p>	<p>Major - Biology & Ecology Advanced Field Biology Biodiversity and Conservation Ecology Environmental Impact Assessment Animal Behaviour Plant Ecology Life in Arid Lands Assembling Tree of Life Evolution Ocean to Estuarine Ecosystems Marine and Aquatic Ecology Biodiversity and Conservation of Natural Resource</p>
	<p>Major - Marine & Coastal Science Ocean to Estuarine Ecosystems Marine & Aquatic Ecology Physical Oceanography Geomorphology Coastal Resource Management Environmental Impact Assessment Biodiversity and Conservation of Natural Resource</p>
	<p>Major - Geography and Earth Science Environmental Change Coastal Resource Management Geomorphology Earth Structures Mineral and Energy Resources Environmental Geophysics Dynamic Earth Australian Soils Advanced Remote Sensing Geographic Data Analysis Environmental Impact Assessment</p>
	<p>Major - Climate Science Climate Systems Science Research Internship B Physical Oceanography Water Resource Engineering Mathematical Modelling Environmental Change Coastal Resource Management Geographic Data Analysis</p>

For more information, go to:
unsw.to/sciencedegrees

Contact us at:

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