

Bachelor of Science (Environmental Management and Conservation Biology) South West Campus (Bunbury)

This course focuses on the multidisciplinary nature of environmental management as well as the conservation of biodiversity. Students gain a grounding in the biological and physical aspects of the environment and the knowledge and skills used in its management. Students also develop the ability to analyse the complex interplays between humans and the natural world, and to apply the tools of modern biology to devising approaches that tackle important conservation issues.

As Australia's top-ranked public University for student satisfaction, ECU provides a learning environment where you can thrive.

Step ahead with ECU Internships

Our undergraduate Science courses offer work integrated learning opportunities with industry and government partners, allowing students to gain authentic work experience prior to graduating. There are also opportunities for paid and unpaid internships with organisations related to the subjects offered within this course. Even better, some of these internships could take you to other countries, providing you with a truly international work experience opportunity.

Employment opportunities

The strong practical and management focus of this course prepares graduates for careers in government agencies, industries and other organisations that deal with conservation of biodiversity, environmental impact assessment and management of activities, environmental planning and the management and rehabilitation of specific ecosystems (such as wetlands, forests, coastlines and arid regions). The Australian Government Department of Jobs and Small Business estimates very strong future growth for Environmental Scientists (<https://joboutlook.gov.au/occupation.aspx?code=2343>).

Careers

With a Bachelor of Science (Environmental Management and Conservation Biology), graduates can apply for the following roles: Biodiversity Manager, Conservation Officer, Environmental Consultant, Adviser, Auditor or Officer, Park Ranger,

Environmental Scientist, Nature Conservationist, Botanist, Wildlife Conservation Worker, Environmental Educator, Natural Resource Officer, Biologist, Environmental Management Officer, Environmental Scientist, Catchment Officer, Natural Resource Officer, Conservation Field Officer, Land Management Officer, Landcare Officer, Environmental Educator

Rankings

ECU has been rated the top public university for student satisfaction by the Good Universities Guide. The guide has awarded ECU the maximum five stars for teaching quality for the 11th year in a row.

ECU has been ranked in the world's top 150 universities under 50 years old in the 2018 Times Higher Education (THE) Young Universities Rankings.

ECU has again received the highest student experience ratings of all Australian public universities in the 2018 QILT survey.



ECU Science students conduct groundbreaking research on the endangered Hairy Marron native to Margaret River.

Course structure

This Bachelor of Science is a 24 unit, 360 credit point, 3 year full-time award which may be studied in part-time mode over 6 years. Students are required to complete 4 Core units, two 8-unit Majors (Environmental Management and Conservation Biology), plus an approved combination of 4 Elective units or a Work Integrated Learning unit.

It is recommended that the four Core units (*) are completed within the first four semesters of study.

Year 1	Semester 1
SCI1182	Case Studies in Science
SCI1187	Form & Function in Biology
SCC1123*	Chemistry for the Life Sciences
SCI1193	Introduction to Environmental Science
*Alternative unit	
SCP1134	Foundations of Physics
Year 1	Semester 2
SCI1183	Origins & Evolution of Life
SCI1185	Ecology
SCI1192	Physical Environments
SCI1125	Professional Science Essentials
Year 2	Semester 1
SCI2117	Genetics
SCI2108	Environmental Management & Sustainability
SCI2115	Ecological Restoration
SCM2201	Soil & Land Processes
Year 2	Semester 2
SCI2116	Diversity of Life
SCI2118	Australian Biota
SCI2371	Sustainable Water
MAT1114	Introductory Statistics

"My course allowed me to do things most people only dream of."



Fieldwork is an important part of the course. I was able to help with reptile surveys and research projects all over the state. These opportunities took me to stunning areas of WA, including the Kimberley, and allowed me to get up close and personal with elusive species of native fauna that most people don't even know exist.

Marcus Cosentino
ECU Biological Sciences graduate

Students who are NOT undertaking Work Integrated Learning Placement

Year 3	Semester 1
SCM3201	Conservation Biology
SCI3115	Wildlife Management
SCI3206	Environmental Investigation & Monitoring
SCI3307	Waste Management

Year 3	Semester 2
SCM3203	Environmental Impact Assessment
SCI3453	Sustainable Natural Resource Management
SCM2104	Geographical Information Systems
SCI3150	Science Project

Students who ARE undertaking Work Integrated Learning Placement

Year 3	Semester 1
SCM3201	Conservation Biology
SCI3115	Wildlife Management
SCI3206	Environmental Investigation & Monitoring

Year 3	Semester 2
SCM3203	Environmental Impact Assessment
SCI3453	Sustainable Natural Resource Management
SCM2104	Geographical Information Systems (EM Major)

Year 3	Summer
CSI3345	Work Experience Project

And drop 2 units from

SCI2371	Sustainable Water
SCI3307	Waste Management
SCI3453	Sustainable Natural Resource Management

Enquire now

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School of
Science

