

Environmental Forensics



the **formula ...**
for a **great career ...**

Environmental Forensics encompasses skills in a wide range of areas including chemistry, biochemistry, ecology, biology and law. Graduates of the Bachelor of Environmental Science (Environmental Forensics) will have vocationally-oriented skills in field and laboratory based investigation and detection of both biological and chemical environmental problems and 'crimes'.

Employment Opportunities

The Bachelor of Environmental Science (Environmental Forensics) is the first undergraduate course in Western Australia that combines the elements of forensics, law and environmental studies with a focus on the practical skills of investigation, detection and prosecution. Graduates are sought by local, state and national government bodies, environmental agencies, emergency services and the industrial sector.

- environmental scientist
- environmental forensics officer
- environmental, occupational health and safety officer
- environmental auditor
- inspector
- scientific officer
- laboratory technician
- research officer
- environmental health officer

Admission Requirements

Standard Admission Requirements based on:

- TEE
- Mature-age entry
- TAFE qualification
- Aboriginal Student Entry; or
- Alternative Entry Requirements

For TEE entry, there are no subject prerequisites. It is helpful, but not essential, to have studied some biology and chemistry.

Course Location and Modes of Study

The three-year Bachelor of Environmental Science (Environmental Forensics) course is available by full-time or part-time study at the Joondalup Campus.

Costs

The Bachelor of Environmental Science (Environmental Forensics) is HECS based.

Course Structure

YEAR ONE

Semester 1

- JUS1111 Introduction to Law 1
SCI1187 Form and Function in Biology
SCI1181 Managing the Environment
SCC1123 Chemistry for the Life Sciences*

* Students who have TEE Chemistry may choose to take
SCC1111 General Chemistry instead.

Semester 2

- SCI1185 Ecology
SCI1186 Understanding Pollution
SCC1226 Introduction to Organic Chemistry and
Biochemistry
SCI1184 Australia's Physical Environment
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YEAR TWO

Semester 1

- SCB2222 Cellular and Molecular Biology
SCC2211 Organic Chemistry
SCM2201 Soil and Land Processes
SCM2202 Applied Aquatic Processes
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Semester 2

- HST2185 Toxicology and Environmental Disease
SCB2424 Animal Diversity
SCC2301 Forensic and Analytical Chemistry
SCC1201 Chemistry: Structure and Reactions
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YEAR THREE

Semester 1

- SCI2304 Biological and Chemical Hazards
SCI3308 Gathering and Presenting
Environmental Evidence
SCI3206 Environmental Investigation & Monitoring
Plus ONE elective unit
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Semester 2

- SCC3202 Environmental Chemistry and Analysis
SCM3305 Risk Assessment, Communication
and Management
Plus TWO elective units
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ELECTIVE UNITS

Students are required to pick THREE electives from the following list of units.

- SCM3203 Environmental Impact Assessment
SCI3301 Catchment Health and Management
SCM2101 Environmental Mapping
SCI3120 Natural Sciences Project
SCC3201 Analytical Chemistry
SCC3415 Project Unit
-



Contact details

For further information on admission requirements, contact:

Student Recruitment

Edith Cowan University
Joondalup Drive
Joondalup WA 6027
Telephone: (61 8) 6304 6304
Email: prospect@ecu.edu.au

For further information on the Bachelor of Environmental Science (Environmental Forensics) contact the:

Student Support Officer

School of Natural Sciences
100 Joondalup Drive
JOONDALUP WA 6027
Telephone: (61 8) 6304 5726
Email: sons@ecu.edu.au
www.chs.ecu.edu.au/org/sons



The Sustainable Forestry program is located at the award winning Science and Health Building on the Joondalup Campus.