Environmental Science

Year and Campus:	2016
Coordinator:	Professor Mick Keough
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Overview:	An Environmental Science major will provide the springboard for students in entering careers or research in the following areas: environmental consulting, natural resource management, environmental and chemistry. Graduates will be prepared for these pathways by developing skills in risk assessment and environmental monitoring, which are crucial to being prepared to make contributions in laboratories, or in consulting roles and in environmental management. This major will integrate knowledge from a range of disciplines from Biology through Earth Science to Chemistry, by enabling students to complete a sequence of specialist subjects in each, as well as integrated subjects in which the students develop an understanding of the application of scientific principles to solving current environmental problems. Students will gain experience preparing them for the workplace by participating in group based reviews of environmental management plans and by conducting multidisciplinary practical assessments of environmental issues.
Learning Outcomes:	*Environmental Science Major graduates should demonstrate:* # capacity to apply current statistical tools used in risk assessment and environmental monitoring; # deep skills in one relevant scientific discipline, alongside two core multidisciplinary subjects enabling an understanding of how scientific principles can be applied to current environmental problems; # recognition that major decisions about human environments are not based on scientific criteria alone, and an understanding of the interface of scientific knowledge with different ways of knowing; # an understanding that environmental science is inherently multidisciplinary, and an appreciation of the need for different scientific disciplines and cultures to work together; # commitment to using science to help deal with the world's environmental challenges.
Structure & Available Subjects:	Completion of 50 points of study at Level 3.
Subject Options:	Both of

Subject	Study Period Commencement:	Credit Points:
EVSC30003 Environmental Risk Assessment	Semester 1	12.50
EVSC30002 Problem Solving in Environmental Science	Semester 2	12.50

Plus two of

Subject	Study Period Commencement:	Credit Points:
BOTA30004 Vegetation Management and Conservation	Semester 2	12.50
CHEM30012 Analytical & Environmental Chemistry	Semester 2	12.50
ECOL30005 Applied Ecology	Semester 2	12.50
ECOL30007 Marine Ecosystems: Ecology & Management	Semester 1	12.50
ERTH30001 Hydrogeology/Environmental Geochemistry	Semester 1	12.50
EVSC30006 Ecology of Urban Landscapes	Semester 1	12.50

	GEOG30022 River Ecology & Ecosystem Management	Semester 1	12.50
	GEOG30025 Biogeography and Ecology of Fire	Semester 1	12.5
	GEOM30009 Imaging the Environment	Semester 1	12.50
	MAST30025 Linear Statistical Models	Semester 1	12.50
Related Course(s):	Bachelor of Science		