

## ENVIRONMENTAL PLANNING

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*The core components of Environmental Planning at the University of Waikato are the interdisciplinary study of planning process and ethics, planning frameworks, environmental impact assessment, and the relationship of people to the environment, with emphasis on the importance of the scientific aspects of environmental planning.*

The major's distinctive core of planning and science facilitates in breaking down traditional barriers between physical science and planning and policy making, producing graduates with skills that are valued by employers in local and central government, environmental consulting and policy development.

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### CONTACTS FOR ENVIRONMENTAL PLANNING

Environmental Planning is jointly taught between the Faculty of Arts & Social Sciences and the Departments of Biological Sciences and Earth & Ocean Sciences.

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#### **Department of Geography, Tourism & Environmental Planning**

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## Degrees

Environmental Planning is available as an interdisciplinary major for the Bachelor of Science, Bachelor of Science (Technology), and Bachelor of Social Science (BSocSc) degrees. Students who wish to complete a BSocSc degree should consult the *Faculty of Arts & Social Sciences Handbook* for details.

## Environmental Planning Interdisciplinary Major

### General Structure of an Environmental Planning Interdisciplinary Major for the BSc & BSc(Tech) degrees.

<b>100 LEVEL</b>	<b>BIOL102</b> or <b>ENVS101</b> 15 points	<b>GEOG103</b> or <b>ENVP106</b> 15 points	<b>ERTH103</b> or <b>ERTH104</b> 15 points	<p><b>100 Level</b> – Recommended Prerequisites: Choose one of: GEOG103 Resources and Environmental Sustainability, or ENVP106 Introduction to Environmental Planning. Choose one of: BIOL102 The Biology of Organisms or ENVS101 Environmental Science. Choose one of: ERTH103 Discovering Planet Earth or ERTH104 Earth and Ocean Environments.</p> <p><b>200 Level</b> – BIOL212 Ecology, ENVP206 Principles of Environmental Planning. *Choose from ERTH221 Earth Materials and Processes, ERTH222 Stratigraphy and Tectonics, ERTH233 Soils in the Landscape, ERTH234 Soil Properties and their Management, ERTH242 Oceanography, ERTH245 Weather and Climate, ERTH246 Introduction to Hydrology, ERTH251 Engineering Geomorphology, ERTH284 Introduction to Environmental Monitoring.</p> <p><b>300 Level</b> – ENVP306 Planning in Aotearoa/New Zealand. **Choose from: BIOL312 Applied Terrestrial Ecology, BIOL313 Applied Freshwater Ecology, BIOL314 Marine Biology and Monitoring. ***Choose from: ERTH322 Sedimentary and Petroleum Geology, ERTH333 Pedology and Land Evaluation, ERTH334 Soil and Land Management, ERTH343 Coastal Geomorphology and Management, ERTH344 Coastal Oceanography and Engineering, ERTH345 Catchment Hydrology, ERTH346 Groundwater and Hydrological Analysis, ERTH352 Engineering Geology, ERTH384 Advanced Environmental Monitoring.</p>
<b>200 LEVEL</b>	<b>BIOL212</b> 20 points	<b>ENVP206</b> 20 points	<b>ERTH2*</b> 20 points	
<b>300 LEVEL</b>	<b>BIOL**</b> 20 points	<b>ENVP306</b> 20 points	<b>ERTH3***</b> 20 points	

### Specialisations

Students may undertake the following specialisations for the BSc or BSc(Tech) major in Environmental Planning.

» Science International	page 157
» Te Pūtaiao me ngā take Māori	page 162

# ENVIRONMENTAL PLANNING

## Choosing Papers

### Environmental Planning Interdisciplinary Major

To complete a major in Environmental Planning, students must complete 120 points above 100 Level, including 60 points at 300 Level, from compulsory papers.

#### 100 Level – Papers are worth 15 points.

##### *Prerequisites*

- » GEOG103A – Resources and Environmental Sustainability or
- ENVP106A – Introduction to Environmental Planning

Choose one of:

- » BIOL102A – The Biology of Organisms
- » ENVS101B – Environmental Science

Choose one of:

- » EARTH103A – Discovering Planet Earth
- » EARTH104B – Earth and Ocean Environments

#### 200 Level – Papers are worth 20 points unless specified.

##### *Compulsory papers*

- » BIOL212A – Ecology
  - » ENVP206B – Principles of Environmental Planning
- \*Choose 20 points from the following 200 Level Earth Sciences papers:

- » EARTH221B – Earth Materials and Processes
- » EARTH222A – Stratigraphy and Tectonics
- » EARTH233A – Soils in the Landscape (10 points)
- » EARTH234A – Soil Properties and their Management (10 points)
- » EARTH242B – Oceanography
- » EARTH245A – Weather and Climate (10 points)
- » EARTH246B – Introduction to Hydrology (10 points)
- » EARTH251B – Engineering Geomorphology (10 points)
- » EARTH284B – Introduction to Environmental Monitoring (10 points)

#### 300 Level – Papers are worth 20 points unless specified.

##### *Compulsory papers*

- » ENVP306B – Planning in Aotearoa/New Zealand
- \*\*Choose 20 points from the following 300 Level Biological Sciences papers

- » BIOL312A – Applied Terrestrial Ecology
- » BIOL313B – Applied Freshwater Ecology
- » BIOL314A – Marine Biology and Monitoring

\*\*\*Choose 20 points from the following 300 Level Earth Sciences papers:

- » EARTH322B – Sedimentary and Petroleum Geology
- » EARTH333A – Pedology and Land Evaluation (10 points)
- » EARTH334B – Soil and Land Management (10 points)
- » EARTH343B – Coastal Geomorphology and Management
- » EARTH344A – Coastal Oceanography and Engineering
- » EARTH345A – Catchment Hydrology (10 points)
- » EARTH346B – Groundwater and Hydrological Analysis (10 points)
- » EARTH352A – Engineering Geology (10 points)
- » EARTH384B – Advanced Environmental Monitoring (10 points)

##### *Recommended elective paper*

- » GEOG306A – Disasters and Development

Environmental Planning Interdisciplinary Major Optional Pathways					
<b>GEOGRAPHY</b>	<b>BIOLOGICAL SCIENCES</b>	<b>EARTH SCIENCES</b>			
Planning & Impact Assessment	Ecology	Land Use Planning	Coastal Planning	Water Resources Planning	Major Resource & Infrastructure Planning A or B
<b>Level 200 Core Papers</b>					
ENVP206	BIOL212	ERTH233 ERTH234	ERTH242	ERTH245 ERTH246	ERTH221 or ERTH222
<b>Level 300 Core Papers</b>					
ENVP306 20 points	One of: BIOL312 BIOL314 BIOL313 20 points	Two of: ERTH333 ERTH334 ERTH384 20 points	One of: ERTH343 ERTH344 20 points	Two of: ERTH345 ERTH346 ERTH384 20 points	ERTH322 or ERTH352 and ERTH384 20 points

**Note(s):** For descriptions of individual papers refer to the following subjects: BIOL Biological Sciences; ENVS Environmental Sciences; EARTH Earth Sciences. For papers with other subject codes refer to the University Calendar.

### Timetable Clashes

Your selection of papers may depend on your timetable. You will not usually be permitted to take papers which have lecture clashes. Laboratory clashes can usually be resolved. You should initially contact the relevant department if you have a laboratory clash.

### BSc(Tech) Work Placement Papers

For details refer to Work Placements.