

# Bachelor of Science (Environment)

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This program offers an alternative to the 4-year BEnvSc degree and is ideal for students wishing to complete a science-based environmental degree with a view to employment in an area of environmental assessment, management and policy development.

| <b>BSc (Environment)</b>            |  | <b>cps</b> | <b>Session</b> |
|-------------------------------------|--|------------|----------------|
| <b>First Year</b>                   |  |            |                |
| BIOL104                             | Evolution, Biodiversity and Environment    | 6          | 1              |
| BIOL103                             | Molecules, Cells and Organisms             | 6          | 2              |
| CHEM101                             | Chemistry 1A                               | 6          | 1              |
| CHEM102                             | Chemistry 1B                               | 6          | 2              |
| EESC101                             | Planet Earth                               | 6          | 1              |
| EESC102                             | Earth Environments and Resources           | 6          | 2              |
| EESC103                             | Landscape Change and Climatology           | 6          | 1              |
| EESC104                             | The Human Environment: Problems and Change | 6          | 2              |
| <b>Total for major at 100-level</b> |  | <b>48</b>  |                |

*Note: All students entering the BSc (Environment) without meeting the Minimum Mathematics Requirement (see Section 6.4) must successfully complete MATH151 in Summer Session 2010/2011. Students interested in transferring to the Bachelor of Environmental Science (4 year degree) should note that they will need to complete MATH151 as additional load. MATH151 is offered in Autumn and alternate Summer Sessions.*

| <b>Second Year</b>                  |   | <b>cps</b> | <b>Session</b> |
|-------------------------------------|---|------------|----------------|
| <b>Core</b>                         |   |            |                |
| BIOL251                             | Principles of Ecology and Evolution         | 6          | 1              |
| CHEM214                             | Analytical and Environmental Chemistry II   | 6          | 2              |
| EESC202                             | Soils, Landscapes and Hydrology             | 6          | 2              |
| EESC203                             | Biogeography and Environmental Change       | 6          | 1              |
| EESC204                             | Introductory Spatial Science                | 6          | 1,2            |
| PHYS233                             | Introduction to Environmental Physics       | 6          | 1              |
| STAT252                             | Statistics for the Natural Sciences         | 6          | 2              |
| <b>Electives:</b>                   | <i>Select one of the following subjects</i> |            |                |
| PHIL256                             | Ethics and Environment                      | 6          | 1              |
| MATH151                             | General Mathematics (if required)           | 6          | 1,3            |
| <b>Total for major at 200-level</b> |   | <b>48</b>  |                |

## Third Year

### Core

|                   |   |   |   |
|-------------------|---|---|---|
| ENVI391           | Environmental Science   | 8 | 2 |
| EESC304           | Geographic Information Science  | 8 | 2 |
| <b>Electives:</b> | <i>Plus four of the following subjects, as approved by the Course Coordinator</i> |   |   |
| BIOL351           | Conservation Biology: Marine and Terrestrial Populations                          | 8 | 1 |

| <b>BSc (Environment)</b>                                    |  | <b>cps</b> | <b>Session</b> |
|---|--|------------|----------------|
| BIOL356   | Marine and Terrestrial Ecology                     | 8          | 2              |
| CHEM314   | Instrumental Analysis                              | 8          | 1              |
| CHEM327   | Environmental Chemistry                            | 8          | 1              |
| EESC301   | Plate Tectonics, Macrotopography and Earth History | 8          | 1              |
| EESC302   | Coastal Environments: Process and Management       | 8          | 2              |
| EESC303   | Fluvial Geomorphology and Sedimentology            | 8          | 1              |
| EESC305   | Remote Sensing of the Environment                  | 8          | 1              |
| EESC306   | Resources and Environments                         | 8          | 2              |
| EESC308   | Environmental and Heritage Management              | 8          | 2              |
| MARE300   | Fisheries and Aquaculture                          | 8          | 2              |
| <i>Or other subjects approved by the Course Coordinator</i> |  |            |                |
| <b>Total for major at 200-level</b>                         |  | <b>48</b>  |                |
| <b>Degree Total</b>   |  | <b>144</b> |                |

### **Honours**

Students would be eligible to enrol in Honours in their selected discipline: Biological Sciences, Chemistry, or Earth and Environmental Sciences. Please refer to Section 7.5 for further information about the Honours program including entry requirements, relevant contact details and instructions for how to apply.