Degree planner — BSc(Tech) in Environmental Sciences

If no point value is listed, papers are worth 15 points.

*SCIENCE71 Science Work Placement is worth 30 points.

**List A**
Choose 45 points from the following:
- APHYS111 Physics in Context
- BIOEB101 Concepts of Biology
- BIOEB102 Introduction to Ecology and Biodiversity
- BIOMO101 Introduction to Molecular and Cellular Biology
- CHEMY100 Chemistry in Context
- CHEMY101 Structure and Spectroscopy
- CHEMY102 Chemical Reactivity
- EARTH101 Introduction to Earth System Sciences
- ENGEN111 Electricity and Electronics
- ENGEN112 Materials Science and Engineering
- ENGEN180 Foundations of Engineering
- PHILO102 Introduction to Logic

**200 Level Environmental Sciences Papers**
Choose 4.5 points from the following:
- BIOEB203 Microbiology
- CHEMY204 Analytical Chemistry
- EARTH211 Soil Science
- EARTH231 Water Resources, Weather and Climate
- EARTH241 Oceanography
- ENVSC202 Environmental Chemistry and Geochemistry

**300 Level Environmental Sciences Papers**
Choose 30 points from the list below. Papers must encompass at least two different subject areas.
- BIOEB303 Forest Ecology and Restoration
- BIOEB304 Freshwater Ecology
- BIOEB305 Marine Ecology
- CHEMY304 Advanced Analytical Chemistry
- EARTH313 Engineering Geology
- EARTH321 Pedology and Land Evolution
- EARTH322 Soil and Water Management
- EARTH331 Water Resources and Hazards
- EARTH341 Coastal Oceanography
- EARTH342 Coastal Geomorphology and Management
- ENVSC302 Applied Environmental Geochemistry

**List B**
Choose 30 points from the following:
- MATHS168 Preparatory Mathematics
- MATHS165 General Mathematics
- MATHS165 Discrete Structures
- MATHS161 Introduction to Calculus Or ENGEN184 Calculus for Engineers
- MATHS182 Introduction to Algebra Or ENGEN183 Linear Algebra and Statistics for Engineers
- COMPX101 Introduction to Computer Science Or ENGEN103 Engineering Computing
- STAT5111 Statistics for Science Or STAT5121 Introduction to Statistical Methods
- PHYS100 General Physics Or PHYS101 Physics for Engineers and Scientists
- ENGEN110 Engineering Mechanics
- MATHS2XX 200 Level Mathematics
- COMPX2XX 200 Level Computer Science
- STAT52XX 200 Level Statistics
- CHEMY202 Physical Chemistry Or CHEMY204 Analytical Chemistry
- EARTH251 Spatial Analysis in Geosciences Or ENVPL202 Cartography and Spatial Analysis
- ENGEN201 Engineering Mathematics 2