Degree planner — BSc(Tech) in Earth Sciences

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

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
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</thead>
<tbody>
<tr>
<td>EARTH301 Intro to Earth System Science</td>
<td>EARTH302 Discovering Planet Earth</td>
<td>One from List A</td>
</tr>
<tr>
<td>EARTH303 Earth Resources and Materials</td>
<td>EARTH201 Soil Science</td>
<td>One from List A</td>
</tr>
<tr>
<td>EARTH201 Water Resources, Weather and Climate</td>
<td>EARTH203 Oceanography</td>
<td>One from List B at 100 Level or 200 Level</td>
</tr>
<tr>
<td>EARTH304 Science and Matematics MSci (or Approved Alternative)</td>
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<tr>
<td>EARTH301 Science Work Placement</td>
<td>EARTH301 Science Work Placement*</td>
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</tbody>
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*SCIENCE371 Science Work Placement is worth 30 points.

**List A**
- Choose 45 points from the following:
  - APHYS111 Physics in Context
  - BIOEB101 Concepts of Biology
  - BIODE102 Introduction to Ecology and Biodiversity
  - CHEMY100 Chemistry in Context
  - CHEMY101 Structure and Spectroscopy
  - CHEMY102 Chemical Reactivity
  - ENGEN111 Electricity and Electronics
  - ENGEN112 Materials Science and Engineering
  - ENGEN180 Foundations of Engineering
  - ENVSC101 Environmental Science
  - PHIL102 Introduction to Logic

**List B**
- Choose 30 points from the following:
  - MATHS168 Preparatory Mathematics
  - MATHS165 General Mathematics
  - MATHS135 Discrete Structures
  - MATHS101 Introduction to Calculus Or ENGEN184 Calculus for Engineers
  - MATHS102 Introduction to Algebra Or ENGEN183 Linear Algebra and Statistics for Engineers
  - COMPX101 Introduction to Computer Science Or ENGEN103 Engineering Computing
  - STATS111 Statistics for Science Or STATS121 Introduction to Statistical Methods
  - PHYSIC100 General Physics Or PHYSIC101 Physics for Engineers and Scientists Or ENGEN110 Engineering Mechanics
  - MATHS2XX 200 Level Mathematics
  - COMPX2XX 200 Level Computer Science
  - STATS2XX 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

**EARTH3 Papers**
- Choose 45 points from the following:
  - EARTH311 Volcanology
  - EARTH312 Sedimentary and Petroleum Geology
  - EARTH313 Engineering Geology
  - EARTH321 Pedology and Land Evaluation
  - EARTH322 Soil and Water Management
  - EARTH331 Water Resources and Hazards
  - EARTH341 Coastal Oceanography
  - EARTH342 Coastal Geomorphology and Management