Degree planner — BSc in Earth Sciences

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

**List A**
Choose 45 points from the following:
- APHYS111 Physics in Context
- BIOE301 Concepts of Biology
- BIOBE102 Introduction to Ecology and Biodiversity
- BIOM011 Introduction to Molecular and Cellular Biology
- CHEMY100 Chemistry in Context
- EARTH101 Introduction to Earth System Sciences
- EARTH102 Discovering Planet Earth
- ENGEN111 Electricity and Electronics
- ENGEN112 Materials Science and Engineering
- ENGEN180 Foundations of Engineering
- ENVSC101 Environmental Science
- PHILO102 Introduction to Logic

**List B**
Choose 30 points from the following:
- MATHS186 Preparatory Mathematics
- MATHS165 General Mathematics
- MATHS135 Discrete Structures
- MATHS151 Introduction to Calculus OR ENGEN104 Calculus for Engineers
- MATHS152 Introduction to Algebra OR ENGEN103 Linear Algebra and Statistics for Engineers
- COMPX101 Introduction to Computer Science OR ENGEN103 Engineering Computing
- STAT111 Statistics for Science OR STAT121 Introduction to Statistical Methods
- PHYS100 General Physics OR PHYS101 Physics for Engineers and Scientists
- OR ENGEN110 Engineering Mechanics
- MATHS2XX 200 Level Mathematics
- COMPX2XX 200 Level Computer Science
- STAT2XX 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

**List C**
Choose 15 points from the following:
- SCIEN301 Capstone Project
- SCIEN303 Undergraduate Research Project
- SCIEN313 Undergraduate Research Project
- SCIEN314 Science Entrepreneurship

**EARTH3 Papers**
Choose 45 points from the following:
- EARTH311 Volcanology
- EARTH312 Sedimentary and Petroleum Geology
- EARTH313 Engineering Geology
- EARTH211 Pedology and Land Evaluation
- EARTH221 Soil and Water Management
- EARTH231 Water Resources and Hazards
- EARTH341 Coastal Oceanography
- EARTH342 Coastal Geomorphology and Management