

EARTH SCIENCE PROGRAMME (PG-EARTH)

in the Bachelor of Science (50110)

All units are 6 points; a full unit load is 48 points per year or 24 points per semester.

Science encompasses all aspects involved in the study of the Earth including surface landforms and features, the movement of water, the role of climate, formation of soils and vegetation, plate tectonics, and processes in the Earth's interior. Earth Science involves the application of physics, chemistry, biology and mathematics to understanding these processes and solving problems related to Earth environments. The programme consists of a minimum of 144 points.

LEVEL 1 EARTH SCIENCE REQUIREMENTS

Complete the core unit from the table below:

Semester 1	Semester 2
EART1105 Earth & Environment: Dynamic Planet	

and complete at least one of the units from the table below:

Semester 1	Semester 2
	EART1104 Earth & Environment: Geological Perspectives EART1108 Earth & Environment: Geographical Perspectives

and two units from the table below:

Semester 1	Semester 2
CHEM1101 Inorganic & Physical Chemistry CHEM1103 Biological Organic Chemistry CHEM1105 Introductory Chemistry	CHEM1102 Organic Chemistry CHEM1104 Biol. Inorganic & Physical Chemistry

and complete at least one pair of units from the table below:

Semester 1	Semester 2
MATH1050 Calculus C	& STAT1530 Statistics B
MATH1050 Calculus C	& STAT2210 Biometrics 1
MATH1040 Calculus B	& STAT1510 Statistics A
MATH1040 Calculus B	& STAT2210 Biometrics 1
MATH1025 Calculus and Matrix Methods	& STAT1510 Statistics A
MATH1025 Calculus and Matrix Methods	& STAT2210 Biometrics 1
PHYS1101 Advanced Physics A	& PHYS1102 Advanced Physics B
PHYS1141 General Physics A	& PHYS1142 General Physics B
BIOL1130 Core Concepts in Biology	& BIOL1131 Plant and Animal Biology

Students who have completed TEE Discrete Maths only must complete the unit MATH1050 Calculus C.

LEVEL 2 EARTH SCIENCE REQUIREMENTS

Complete units to the value of at least 48 points including the Level 2 requirements of at least two of the following majors:

- Geography - Physical Geography Stream
- Geology
- Land and Water Management
- Soil Science

LEVEL 3 EARTH SCIENCE REQUIREMENTS

Complete units to the value of at least 48 points including the Level 3 requirements of at least one of the following majors:

- Geography - Physical Geography Stream
- Geology
- Land and Water Management
- Soil Science