

# Geochemistry

## 2<sup>nd</sup> year

EART29200	<a href="#">Professional Development and Project Preparation</a>
EART22200	<a href="#">Igneous Minerals and Processes</a>
EART24200	<a href="#">Metamorphic Minerals and Processes</a>
EART26201	<a href="#">Principles of Geochemistry</a>
EART27001	<a href="#">Environmental Chemistry 1: Water-Solid-Air Interactions</a>
EART27201	<a href="#">Sedimentary Rocks and Fossils</a>
EART28102	<a href="#">Field Course: Introduction to Geological Mapping</a>
EART28002	<a href="#">Environmental Chemistry 2: Biogeochemical Cycles</a>
EART28202	<a href="#">Structural Geology</a>

### **Options (3 of following; one in Semester 1, two in Semester 2):**

EART26000	<a href="#">Energy and Resources</a>
EART22001	<a href="#">Environmental Modelling</a>
EART23101	<a href="#">Exploring the Solar System</a>
EART23202	<a href="#">Interpreting the Stratigraphic Record: From Surface to Subsurface</a>
EART25202	<a href="#">Meteorites and Planetary Materials</a>
EART29002	<a href="#">Environmental Enterprise</a>
EART25102	<a href="#">Advanced Geological Field Techniques*</a>
EART27102	<a href="#">Field Course: Environmental Science*</a>

## 3<sup>rd</sup> year

EART31000	<a href="#">Communicating Science</a>
EART36000	<a href="#">Independent Project in Geochemistry</a>
EART33001	<a href="#">Analytical Techniques in Earth and Environmental Sciences</a>
EART35302	<a href="#">Field Course: Integration of Environmental Investigations, Tenerife*</a>
EART39302	<a href="#">Field Course (Italy)*</a>

### **Options (6 of the following)**

EART31101	<a href="#">Environmental Challenges: Arctic Climate Warming</a>
EART34102	<a href="#">Geoenergy</a>
EART34201	<a href="#">Chemical Evolution of the Earth's Interior</a>
EART35001	<a href="#">Atmospheric Composition</a>
EART35202†	<a href="#">Planetary Evolution</a>
EART39001	<a href="#">Environmental Challenges: Air Pollution in Major Cities</a>
EART32102	<a href="#">Environmental Challenges: Arsenic Contamination in Asia</a>
EART32201	<a href="#">Origin of the Solar System</a>
EART33102	<a href="#">Environmental Challenges: Waste Disposal</a>
EART33302	<a href="#">Chemical Fluid-Rock Interactions</a>
EART34302	<a href="#">Volcanology</a>
EART37002	<a href="#">Diagenesis of Sedimentary Systems</a>
10 credits	one EART or UCIL unit

\* Either/Or

† If chosen, students should also choose EART32201 *Origin of the Solar System*

## **MEarthSci (All pathways)**

**2<sup>nd</sup> and 3<sup>th</sup> year:** Same as regular BSC programmes

### **4<sup>th</sup> Year**

EART4XXXX	Research Project
EART4XXXX	Student-led Field Course
EART4XXXX	Communicating Earth and Environmental Sciences
EART4XXXX	Topics in Applied Earth Science

## **MEarthSci with Industrial Experience\***

**2<sup>nd</sup> year:** Same as regular BSC programmes

### **3<sup>th</sup> year**

EART3XXXX	Core Earth and Planetary Science
EART3XXXX	Placement in industry

### **4<sup>th</sup> Year**

EART4XXXX	Research Project
EART4XXXX	Student-led Field Course
EART4XXXX	Communicating Earth and Environmental Sciences
EART4XXXX	Topics in Applied Earth Science

## **MEarthSci with International Study<sup>#</sup>**

**2<sup>nd</sup> year:** Same as regular BSC programmes

### **3<sup>th</sup> year**

EART3XXXX	Study at University Abroad
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### **4<sup>th</sup> Year**

EART4XXXX	Research Project
EART4XXXX	Student-led Field Course
EART4XXXX	Communicating Earth and Environmental Sciences
EART4XXXX	Topics in Applied Earth Science

## **MEarthSci with a Research Placement<sup>#</sup>**

**2<sup>nd</sup> year:** Same as regular BSC programmes

### **3<sup>th</sup> year**

EART3XXXX	Core Earth and Planetary Science
EART3XXXX	Year in Research

### **4<sup>th</sup> Year**

EART4XXXX	Research Project
EART4XXXX	Student-led Field Course
EART4XXXX	Communicating Earth and Environmental Sciences
EART4XXXX	Topics in Applied Earth Science

\*Available to all except those taking EART37000 *Independent Project in Geological Field Mapping* (on Geology pathway) and those on Planetary Science or Palaeobiology pathways; # Available to all except those taking EART37000 *Independent Project in Geological Field Mapping* (on Geology pathway)