

Degree Programme	BSc and MEarthSci Earth and Planetary Science
Pathway:	Geochemistry
Academic year of study:	2024-25
Contact:	If you have any questions about this structure, please contact sons.programmes@manchester.ac.uk

First Year		
All First Year Students have a combined 1st year schedule of compulsory units as below. You will automatically be enrolled on these units by the Curriculum and Programmes Team.		
EART11100	Understanding the Earth	40 Credits
EART11200	The Natural Scientist's Toolkit	40 Credits
EART11300	Practical and Professional Skills Development	40 Credits
EART11111	Welcome Week Activity	0 Credits
EART10020	PASS	0 Credits
EART19040	Aspire – Your Future	0 Credits

Second Year		
Core Units		
You will automatically be enrolled on these units by the Earth Support Team.		
Programme core units		
EART29200	Professional Development and Project Preparation	10 credits
EART28101	Field Course: Introduction to Geological Mapping	10 credits
Pathway core units		
EART22201	Igneous Minerals and Processes	10 credits
EART24202	Metamorphic Minerals and Processes	10 credits
EART26201	Principles of Geochemistry	10 credits
EART27001	Environmental Chemistry 1: Water-Solid-Air Interactions	10 credits
EART27201	Sedimentary Rocks and Fossils	10 credits
EART28002	Environmental Chemistry 2: Biogeochemical Cycles	10 credits
EART28202	Structural Geology	10 credits
EART29102	Geospatial Techniques	10 credits
Optional Units		
You must select TWO of the following optional units; one in semester 1 and one in semester 2.		
EART26001	Energy and Resources	10 credits
EART22001	Environmental Modelling	10 credits
EART23101	Exploring the Solar System	10 credits
EART23202	Interpreting the Stratigraphic Record: From Surface to Subsurface	10 credits
EART25202	Meteorites and Planetary Materials	10 credits
EART25102	Advanced Geological Field Techniques*	10 credits
EART27102	Field Course: Analysing Environmental Field Data*	10 credits
10-20 credits: One 10 credit EART unit or up to 20 credits of a single UCIL/Language unit		
* Either/Or		

Third Year		
Core Units		
You will automatically be enrolled on these units by the Earth Support Team.		
Programme core units (excluding Geology pathway)		
EART31100	Independent project in Earth and Planetary Science	30 credits
Pathway core units		
EART31001	Communicating Science	10 credits
EART36000	Independent Project in Geochemistry	30 credits
EART33001	Analytical Techniques in Earth and Environmental Sciences	10 credits
Optional Field Course Units		
You must select ONE of the following units.		
EART35302	Field Course: Integration of Environmental Investigations, Tenerife*	10 credits
EART39302	Field Course (Italy)*	10 credits
Optional Units		
You must select SIX of the following optional units.		
EART31101	Environmental Challenges: Arctic Climate Warming	10 credits
EART34102	Geoenergy	10 credits
EART34201	Chemical Evolution of the Earth's Interior	10 credits
EART35001	Atmospheric Composition	10 credits
EART35202	Planetary Evolution†	10 credits
EART39001	Environmental Challenges: Air Pollution in Major Cities	10 credits
EART32102	Environmental Challenges: Arsenic Contamination in Asia	10 credits
EART32201	Origin of the Solar System	10 credits
EART33102	Environmental Challenges: Waste and Nuclear Waste Disposal	10 credits
EART34302	Volcanology	10 credits
EART37002	Diagenesis of Sedimentary Systems	10 credits
10-20 credits: One 10 credit EART unit or up to 20 credits of a single UCIL/language unit		
* Either/Or		
† If chosen, students should also choose EART32201 Origin of the Solar System		
PLEASE NOTE:		
When selecting your course units you must ensure you enrol on:		
<ul style="list-style-type: none"> • 120 credits in total (including any core units) • A minimum of 50 credits per semester • A maximum of 70 credits per semester 		

MEarthSci (All pathways)

2nd and 3th year: Same as regular BSC programmes

Fourth Year		
Core Units		
You will automatically be enrolled on these units by the Earth Support Team.		
EART44440	Research Project in Earth and Planetary Sciences	60 credits
EART40012	Integrated Earth and Environmental Science field course	15 credits
EART40031	Communicating Earth and Environmental Science	15 credits
EART40130	Topics in Earth, Planetary and Environmental Sciences	15 credits
Optional Units		
Select 15 credits from the following		
EART40110	Elective in Earth and Planetary Sciences	15 credits

† Available to all except those who completed the unit at undergraduate level

MEarthSci with Industrial Experience

(Available to all except those on Geology, Planetary Science or Palaeobiology pathways)

2nd year: Same as regular BSC programmes

3th year: EART39960 Core Earth and Planetary Science
 EART39990 Placement in industry

Fourth Year		
Core Units		
You will automatically be enrolled on these units by the Earth Support Team.		
EART44440	Research Project in Earth and Planetary Sciences	60 credits
EART40012	Integrated Earth and Environmental Science field course	15 credits
EART40031	Communicating Earth and Environmental Science	15 credits
EART40130	Topics in Earth, Planetary and Environmental Sciences	15 credits
Optional Units		
Select 15 credits from the following		
EART40110	Elective in Earth and Planetary Sciences	15 credits

† Available to all except those who completed the unit at undergraduate level

MEarthSci with International Study

(Available to all except those on Geology pathway)

2nd year: Same as regular BSC programmes

3th year: EART39950 Study at University Abroad

Fourth Year		
Core Units		
You will automatically be enrolled on these units by the Earth Support Team.		
EART44440	Research Project in Earth and Planetary Sciences	60 credits
EART40012	Integrated Earth and Environmental Science field course	15 credits
EART40031	Communicating Earth and Environmental Science	15 credits
EART40130	Topics in Earth, Planetary and Environmental Sciences	15 credits
Optional Units		
Select 15 credits from the following		
EART40110	Elective in Earth and Planetary Sciences	15 credits

† Available to all except those who completed the unit at undergraduate level

MEarthSci with a Research Placement

(Available to all except those on Geology pathway)

2nd year: Same as regular BSC programmes

3th year: EART39960 Core Earth and Planetary Science
 EART39980 Year in Research

Fourth Year		
Core Units		
You will automatically be enrolled on these units by the Earth Support Team.		
EART44440	Research Project in Earth and Planetary Sciences	60 credits
EART40012	Integrated Earth and Environmental Science field course	15 credits
EART40031	Communicating Earth and Environmental Science	15 credits
EART40130	Topics in Earth, Planetary and Environmental Sciences	15 credits
Optional Units		
Select 15 credits from the following		
EART40110	Elective in Earth and Planetary Sciences	15 credits

† Available to all except those who completed the unit at undergraduate level