Degree Programme	**BSc and MEarthSci Earth and Planetary Science**
Pathway	**Geochemistry**
Academic year of study	**2026-27**
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.		
EART11101	Understanding the Earth I	20 credits
EART11201	The Natural Scientist's Toolkit I	20 credits
EART11301	Practical and Professional Skills I	20 credits
EART11102	Understanding the Earth II	20 credits
EART11202	The Natural Scientist's Toolkit II	20 credits
EART11302	Practical and Professional Skills II	20 credits
EART11111	Welcome Week activity	0 credits
EART10020	PASS	0 credits
EART19040	Aspire – Your Future	0 credits

Second Year		
Programme core units You will automatically be enrolled on these units		
EART29200	Professional development and project preparation tutorials	10 credits
EART28101	Introduction to geological field mapping	10 credits
EART27201	Sedimentary rocks and fossils	10 credits
EART26201	Principles of geochemistry	10 credits
EART29102	Geospatial techniques	10 credits
Pathway core units You will automatically be enrolled on these units		
EART22201	Igneous minerals and processes	10 credits
EART27001	Environmental chemistry 1	10 credits
EART23202	Interpreting the stratigraphic record	10 credits
EART24202	Metamorphic minerals and processes	10 credits
EART28002	Environmental chemistry 2	10 credits
Pathway optional units You must select TWO of the following optional units, one in Semester 1 and one in Semester 2		
EART24001	Geological maps	10 credits
EART26001	Energy and resources	10 credits
EART23101	Exploring the Solar System	10 credits
EART22001	Environmental modelling	10 credits
EART28202	Structural geology	10 credits
EART25202	Meteorites and planetary materials†	10 credits
EART21202	Global climate change	10 credits
OR one 10-credit EART* unit (subject to timetabling), or up to 20 credits of a single UCIL or language unit (subject to timetabling)		10-20 credits

*If you wish to select EART25102 Advanced geological field techniques, then you must also select AT LEAST ONE of EART24001 Geological maps OR EART28202 Structural geology

†If you wish to select EART25202 Meteorites and planetary materials, then you should also select EART23101 Exploring the Solar System

Suggested combinations of options for geochemists with interests in:
(1) Geology, with fieldwork: EART24001 Geological maps and EART25102 Advanced geological field techniques
(2) Geology, without fieldwork: EART24001 Geological maps OR EART26001 Energy and resources, and EART28202 Structural geology
(3) Planetary geochemistry: EART23101 Exploring the Solar System and EART25202 Meteorites and planetary materials
(4) Environmental geochemistry: EART22001 Environmental modelling and EART21202 Global climate change

Third Year		
Pathway core units You will automatically be enrolled on these units		
EART31100	Extended project in Earth and planetary science	30 credits
EART31001	Communicating science	10 credits
EART33001	Analytical techniques in Earth and environmental sciences	10 credits
EART34201	Chemical evolution of the Earth's interior	10 credits
EART34302	Volcanology	10 credits
EART39302	Field course: Sicily	10 credits
Pathway optional units Select FOUR of the following optional units, including at least TWO units in Semester 2		
EART31101	Environmental challenges: Arctic warming	10 credits
EART39001	Environmental challenges: Air pollution	10 credits
EART32201	Origin of the Solar System	10 credits
EART35001	Atmospheric composition	10 credits
EART32102	Environmental challenges: Arsenic contamination	10 credits
EART33102	Environmental challenges: Waste disposal	10 credits
EART34102	Geoenergy	10 credits
EART35202	Planetary evolution	10 credits
OR you may select any other 10-credit EART unit (subject to timetabling), or up to 20 credits of a single UCIL or language unit (subject to timetabling)		10-20 credits

PLEASE NOTE:
When selecting your course units you must ensure you enrol on:

- 120 credits in total (including any core units)
- A minimum of 50 credits per semester
- A maximum of 70 credits per semester

MEarthSci

2nd and 3rd year: Same as the BSc programmes

Fourth Year		
Core units You will automatically be enrolled on these units		
EART44440	Research project in Earth and planetary science	60 credits
EART40010	Integrated Earth and environmental science field course	15 credits
EART40031	Advanced science communication	15 credits
EART40130	Topics in Earth, planetary and environmental science	15 credits
Optional units You must select ONE of the following optional units		
EART40110	Elective in Earth and planetary science	15 credits
UCIL60312*	Creating a sustainable world	15 credits

*Available to all except those who completed this unit at undergraduate level

MEarthSci with Industrial Experience

2nd year: Same as the BSc programmes
3rd year: EART39990 Placement in Industry

Fourth Year		
Core units You will automatically be enrolled on these units		
EART44440	Research project in Earth and planetary science	60 credits
EART40010	Integrated Earth and environmental science field course	15 credits
EART40031	Advanced science communication	15 credits
EART40130	Topics in Earth, planetary and environmental science	15 credits
Optional units You must select ONE of the following optional units		
EART40110	Elective in Earth and planetary science	15 credits
UCIL60312*	Creating a sustainable world	15 credits

*Available to all except those who completed this unit at undergraduate level

MEarthSci with International Study

2nd year: Same as the BSc programmes
3rd year: EART39950 Study at University Abroad

Fourth Year		
Core units You will automatically be enrolled on these units		
EART44440	Research project in Earth and planetary science	60 credits
EART40010	Integrated Earth and environmental science field course	15 credits
EART40031	Advanced science communication	15 credits
EART40130	Topics in Earth, planetary and environmental science	15 credits
Optional units You must select ONE of the following optional units		
EART40110	Elective in Earth and planetary science	15 credits
UCIL60312*	Creating a sustainable world	15 credits

*Available to all except those who completed this unit at undergraduate level

MEarthSci with a Research Placement

2nd year: Same as the BSc programmes
3rd year: EART39980 Year in Research

Fourth Year		
Core units You will automatically be enrolled on these units		
EART44440	Research project in Earth and planetary science	60 credits
EART40010	Integrated Earth and environmental science field course	15 credits
EART40031	Advanced science communication	15 credits
EART40130	Topics in Earth, planetary and environmental science	15 credits
Optional units You must select ONE of the following optional units		
EART40110	Elective in Earth and planetary science	15 credits
UCIL60312*	Creating a sustainable world	15 credits

*Available to all except those who completed this unit at undergraduate level