

Degree Programme	BSc and MEarthSci Earth and Planetary Science
Pathway:	Planetary Science
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
EART23101	Exploring the Solar System	10 credits
EART26201	Principles of Geochemistry	10 credits
EART25202	Meteorites and Planetary Materials	10 credits
EART29102	Geospatial Techniques	10 credits
Optional Units		
You must select FOUR of the following optional units; one or two options in semester 1 and two or three options in semester 2.		
EART22001	Environmental Modelling	10 credits
EART23001	Atmospheric Physics and Weather	10 credits
EART24001	Geological Maps	10 credits
EART27201	Sedimentary Rocks and Fossils	10 credits
PHYS10191	Introduction to Astrophysics	10 credits
PHYS10692	Physics of the Solar System	10 credits
EART23202	Interpreting the Stratigraphic Record: From Surface to Subsurface	10 credits
EART25102	Advanced Geological Field Techniques*	10 credits
EART28002	Environmental Chemistry 2: Biogeochemical Cycles	10 credits
EART28202	Structural Geology	10 credits
10-20 credits One 10 credit EART unit or up to 20 credits of a single UCIL/language unit		
* If chosen, students should also choose EART27201 Sedimentary Rocks & Fossils AND EITHER EART24001 Geological Maps OR EART28202 Structural Geology		

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
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Pathway core units

EART31001	Communicating Science	10 credits
EART35202	Planetary Evolution	10 credits
EART32201	Origin of the Solar System	10 credits
EART36302	Planetary Field Course: Ries Impact Crater	10 credits

Optional Units

You must select FIVE optional units. Any EART unit can be taken, given pre-requisites and timetabling constraints. Examples include but are not limited to the following:

EART33001	Analytical Techniques in Earth and Environmental Sciences	10 credits
EART32301	Tectonics in Earth's Oceans and Continents	10 credits
EART34102	Geoenergy	10 credits
EART34201	Chemical Evolution of the Earth's Interior	10 credits
EART35101	Hydrogeology and Geomechanics	10 credits
EART37202	Remote Sensing of Atmospheres	10 credits
EART31302	Sedimentary Basins and the Source to Sink System	10 credits
EART34302	Volcanology	10 credits
EART36101	Geophysical Techniques	10 credits
EART33201	Quantitative Sedimentology: An Experimental Perspective	10 credits
EART37002	Diagenesis of Sedimentary Systems	10 credits

10 credits one EART or UCIL unit

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 (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	Option 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: 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	Option 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	Option 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: 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	Option in Earth and Planetary Sciences	15 credits

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