

Degree Programme	BSc and MEarthSci Earth and Planetary Science
Pathway:	Geology with Physical Geography
Academic year of study:	2022/23
Document link:	If you are reading a printed version of this document you should check http://documents.manchester.ac.uk/display.aspx?DocID=44093 to ensure that you have the most up to date version.
Contact:	If you have any questions about this structure, please contact earth.support@manchester.ac.uk

Second Year		
Core Units		
You will automatically be enrolled on these units by the Earth Support Team.		
EART29200	Professional Development and Project Preparation	10 credits
EART27201	Sedimentary Rocks and Fossils	10 credits
GEOG20072	Research Design and Overseas Field course	20 credits
Optional EART Units		
You must select FOUR of the following optional units; at least two units must be in semester one.		
EART22201	Igneous Minerals and Processes	10 credits
EART24202	Metamorphic Minerals and Processes	10 credits
EART22101	Evolution and Palaeobiology	10 credits
EART24001	Geological Maps	10 credits
EART27001	Environmental Chemistry 1: Water-Solid-Air Interactions	10 credits
EART23202	Interpreting the Stratigraphic Record: From Surface to Subsurface	10 credits
EART28202	Structural Geology	10 credits
Optional GEOG Units		
You must select TWO of the following optional units; one in semester 1 and one in semester 2.		
GEOG21431	Quaternary Climates and Landscapes	20 credits
GEOG21771	Biogeography	20 credits
GEOG20402	Hydrology and Catchment Systems	20 credits
GEOG20502	Spatial Thinking with GIS: Constructing and Exploring Virtual Worlds	20 credits
GEOG21512	Geomorphology	20 credits
You may also select 10-20 credits: One 10 credit EART unit or up to 20 credits of a single UCIL/Language unit.		

Third Year		
Core Units		
You will automatically be enrolled on these units by the Earth Support Team.		
Programme core units (excluding Geology pathway)		
EART31100/EART35000/ EART36000/EART38000/ EART39000/	Independent project (in Planetary Science/ Energy and Resources/ Geochemistry/ Geology with Physical Geography/ Paleobiology)	30 credits
Optional GEOG Course Units		
You must select TWO or THREE of the following units.		
GEOG31041	Green Planet: Plant Ecology and Global Change	20 credits
GEOG30231	Peatlands	20 credits
GEOG30132	Mediterranean Quaternary Landscapes	20 credits
GEOG30222	Our Frozen Planet	20 credits
Optional EART Units		
You must select THREE or FIVE of the following optional units.		
EART31101	Environmental Challenges: Arctic Climate Warming	10 credits
EART32301	Tectonics in Earth's Oceans and Continents	10 credits
EART34201	Chemical Evolution of the Earth's Interior	10 credits
EART33201	Quantitative Sedimentology: An Experimental Perspective	10 credits
EART31302	Sedimentary Basins and the Source to Sink System	10 credits
EART32102	Environmental Challenges: Arsenic Contamination in Asia	10 credits
EART33102	Environmental Challenges: Waste Disposal	10 credits
EART34302	Volcanology	10 credits
EART36101	Geophysical Techniques	10 credits
EART37002	Diagenesis of Sedimentary Systems	10 credits
EART35302	Field Course: Integration of Environmental Investigations, Tenerife*	10 credits
EART38302	Field Course: Palaeobiology, Palaeoenvironments and Geoconservation of the 'Jurassic Coast' and the Isle of Wight*	10 credits
EART39302	Field Course (Italy)*	10 credits
20 credits Up to 20 credits of additional EART, BIOL or UCIL units		
* You may only enrol on ONE field course unit		
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 one of the the following		
UCIL60312	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals†	15 credits
OR	Year three option in Earth and Planetary and Environmental Sciences	15* credits

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

*This will equate to 15 credits later in the year.

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 one from the following		
UCIL60312	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals†	15 credits
OR	Year three option in Earth and Planetary and Environmental Sciences	15* credits

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

*This will equate to 15 credits later in the year.

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 one from the following		
UCIL60312	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals†	15 credits
OR	Year three option in Earth and Planetary and Environmental Sciences	15* credits

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

*This will equate to 15 credits later in the year.

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 one from the following		
UCIL60312	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals†	15 credits

OR	Year three option in Earth and Planetary and Environmental Sciences	15* credits
-----------	---	-------------

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

*This will equate to 15 credits later in the year.