

Degree Programme	<b>BSc and MEarthSci Earth and Planetary Science</b>
Pathway:	<b>Geology</b>
Academic year of study:	<b>2023/24</b>
Contact:	If you have any questions about this structure, please contact <a href="mailto:sonstimetables.student@manchester.ac.uk">sonstimetables.student@manchester.ac.uk</a>

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

<b>EART29200</b>	Professional Development and Project Preparation	10 credits
<b>EART28101</b>	Field Course: Introduction to Geological Mapping	10 credits

#### Pathway core units

<b>EART29200</b>	Professional Development and Project Preparation	10 credits
<b>EART22201</b>	Igneous Minerals and Processes	10 credits
<b>EART26001</b>	Energy and Resources	10 credits
<b>EART24202</b>	Metamorphic Minerals and Processes	10 credits
<b>EART24001</b>	Geological Maps	10 credits
<b>EART26201</b>	Principles of Geochemistry	10 credits
<b>EART27201</b>	Sedimentary Rocks and Fossils	10 credits
<b>EART28101</b>	Field Course: Introduction to Geological Mapping	10 credits
<b>EART23202</b>	Interpreting the Stratigraphic Record: From Surface to Subsurface	10 credits
<b>EART25102</b>	Advanced Geological Field Techniques	10 credits
<b>EART29102</b>	Geospatial Techniques	10 credits
<b>EART28202</b>	Structural Geology	10 credits

<b>Third Year</b>		
<b>Core Units</b>		
You will automatically be enrolled on these units by the Earth Support Team.		
<b>EART32301</b>	Tectonics in Earth's Oceans and Continents	10 credits
<b>EART31302</b>	Sedimentary Basins and the Source to Sink System	10 credits
<b>EART39302</b>	Field Course (Italy)	10 credits
<b>EART37000</b>	Independent Project in Geological Field Mapping*	40 credits
<b>Optional Units</b>		
You must select FIVE of the following optional units.		
<b>EART33001</b>	Analytical Techniques in Earth and Environmental Sciences	10 credits
<b>EART33201</b>	Quantitative Sedimentology: An Experimental Perspective	10 credits
<b>EART34102</b>	Geoenergy	10 credits
<b>EART34201</b>	Chemical Evolution of the Earth's Interior	10 credits
<b>EART35101</b>	Hydrogeology and Geomechanics	10 credits
<b>EART34001</b>	Dinosaur Palaeobiology	10 credits
<b>EART34302</b>	Volcanology	10 credits
<b>EART36101</b>	Geophysical Techniques	10 credits
<b>EART37002</b>	Diagenesis of Sedimentary Systems	10 credits
<b>EART38202</b>	Resource Projects: Life Cycles, Risk Analysis, Decision Making and Case Studies	10 credits
10 credits	Up to one EART or UCIL unit	
* Either/Or		

**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)

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

<b>Fourth Year</b>		
<b>Core Units</b>		
You will automatically be enrolled on these units by the Earth Support Team.		
<b>EART44440</b>	Research Project in Earth and Planetary Sciences	60 credits
<b>EART40012</b>	Integrated Earth and Environmental Science field course	15 credits
<b>EART40031</b>	Communicating Earth and Environmental Science	15 credits
<b>EART40130</b>	Topics in Earth, Planetary and Environmental Sciences	15 credits
<b>Optional Units</b>		
Select 15 credits from the following		
<b>UCIL60312</b>	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals†	15 credits
<b>EART40110</b>	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)

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

**3<sup>th</sup> year:**       EART39960     Core Earth and Planetary Science  
                       EART39990     Placement in industry

<b>Fourth Year</b>		
<b>Core Units</b>		
You will automatically be enrolled on these units by the Earth Support Team.		
<b>EART44440</b>	Research Project in Earth and Planetary Sciences	60 credits
<b>EART40012</b>	Integrated Earth and Environmental Science field course	15 credits
<b>EART40031</b>	Communicating Earth and Environmental Science	15 credits
<b>EART40130</b>	Topics in Earth, Planetary and Environmental Sciences	15 credits
<b>Optional Units</b>		
Select 15 credits from the following		
<b>UCIL60312</b>	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals†	15 credits
<b>EART40110</b>	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)

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

**3<sup>th</sup> year:** EART39950 Study at University Abroad

<b>Fourth Year</b>		
<b>Core Units</b>		
You will automatically be enrolled on these units by the Earth Support Team.		
<b>EART44440</b>	Research Project in Earth and Planetary Sciences	60 credits
<b>EART40012</b>	Integrated Earth and Environmental Science field course	15 credits
<b>EART40031</b>	Communicating Earth and Environmental Science	15 credits
<b>EART40130</b>	Topics in Earth, Planetary and Environmental Sciences	15 credits
<b>Optional Units</b>		
Select 15 credits from the following		
<b>UCIL60312</b>	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals†	15 credits
<b>EART40110</b>	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)

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

**3<sup>th</sup> year:** EART39960 Core Earth and Planetary Science

EART39980 Year in Research

<b>Fourth Year</b>		
<b>Core Units</b>		
You will automatically be enrolled on these units by the Earth Support Team.		
<b>EART44440</b>	Research Project in Earth and Planetary Sciences	60 credits
<b>EART40012</b>	Integrated Earth and Environmental Science field course	15 credits
<b>EART40031</b>	Communicating Earth and Environmental Science	15 credits
<b>EART40130</b>	Topics in Earth, Planetary and Environmental Sciences	15 credits
<b>Optional Units</b>		
Select 15 credits from the following		
<b>UCIL60312</b>	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals†	15 credits
<b>EART40110</b>	Elective in Earth and Planetary Sciences	15 credits

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