| | |
|---|---|
| Degree Programme | **BSc and MEarthSci Earth and Planetary Science** |
| Pathway | **Energy and Resources** |
| 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 |

| Second Year | | |
|---|---|---|
| **Programme core units**<br>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**<br>You will automatically be enrolled on these units | | |
| EART22201 | Igneous minerals and processes | 10 credits |
| EART24001 | Geological maps | 10 credits |
| EART26001 | Energy and resources | 10 credits |
| EART28202 | Structural geology | 10 credits |
| EART23202 | Interpreting the stratigraphic record | 10 credits |
| EART25102 | Advanced geological field techniques | 10 credits |
| **Pathway optional units**<br>You must select ONE of the following optional units | | |
| EART24202 | Metamorphic minerals and processes | 10 credits |
| EART21202 | Global climate change | 10 credits |
| OR up to 10 credits of any other EART or UCIL unit (subject to timetabling) | | 10 credits |

| Third Year | | |
|---|---|---|
| **Pathway core units**<br>You will automatically be enrolled on these units | | |
| EART31100 | Extended project in Earth and planetary science | 30 credits |
| EART36101 | Geophysical techniques | 10 credits |
| EART35101 | Hydrogeology and geomechanics | 10 credits |
| EART38202 | Resource project life cycles | 10 credits |
| EART34102 | Geoenergy | 10 credits |
| EART39302 | Field course: Sicily | 10 credits |
| **Pathway optional units**<br>Select FOUR of the following optional units, including at least TWO units in Semester1 | | |
| EART33201 | Quantitative sedimentology: An experimental perspective | 10 credits |
| EART32301 | Tectonics in Earth's oceans and continents | 10 credits |
| EART33001 | Analytical techniques in Earth and environmental sciences | 10 credits |
| EART34201 | Chemical evolution of the Earth's interior | 10 credits |
| EART31302 | Sedimentary basins and the source-to-sink system | 10 credits |
| EART36002 | Climate and energy | 10 credits |
| MATS32802 | Resources for the modern world | 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 |

Suggested combinations of options for Energy & Resources:
(1) Petrology and geochemistry focus: EART34201, EART33001, plus EART34302 Volcanology
(2) Subsurface reservoirs focus: EART33001, and two from EART31302, EART37001, EART36002

**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**<br>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**<br>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**<br>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**<br>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**<br>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**<br>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**<br>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**<br>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