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| Degree Programme | BSc and MEarthSci Environmental Science |
| Pathway: | Pollution and Environmental Processes |
| 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=44096 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. | | |
| Programme core units | | |
| EART29200 | Professional Development and Project Preparation | 10 credits |
| EART22001 | Environmental Modelling | 10 credits |
| EART29002 | Environmental Enterprise | 10 credits |
| Pathway core units | | |
| EART23001 | Atmospheric Physics and weather | 10 credits |
| EART25001 | Ecology and Conservation | 10 credits |
| EART27001 | Environmental Chemistry 1: Water-Solid-Air Interactions | 10 credits |
| EART21102 | Environmental Microbiology | 10 credits |
| EART28002 | Environmental Chemistry 2: Biogeochemical Cycles | 10 credits |
| EART29102 | Geospatial Techniques | 10 credits |
| EART27102 | Field Course: Environmental Science | 10 credits |
| Optional Units | | |
| You must select TWO of the following optional units; one in semester 1 and one in semester 2. | | |
| EART26001 | Energy and Resources | 10 credits |
| EART22101 | Evolution and Palaeobiology | 10 credits |
| EART27201 | Sedimentary Rocks and Fossils | 10 credits |
| EART21202 | Global Climate Change | 10 credits |
| BIOL21202 | Plants for the Future | 10 credits |
| EART23202 | Interpreting the Stratigraphic Record: From Surface to Subsurface* | 10 credits |
| You may also choose 1 unit (up to 20 credits max) – UCIL or Language unit** | | |
| * If chosen, students should also choose EART27201 Sedimentary Rocks and Fossils. | | |
| **Note that BIOL and UCIL units may clash with EART units and we cannot guarantee that this can be avoided | | |

| Third Year | | |
|---|--|------------|
| Core Units | | |
| You will automatically be enrolled on these units by the Earth Support Team. | | |
| Programme core units | | |
| EART32000/EART33000/ EART34000/ | (Atmospheric or Climate Science/ Ecology, evolution or conservation/ Pollution or Environmental Processes) Research Project | 30 credits |
| EART31000 | Communicating Science | 10 credits |
| EART35302 | Field Course: Integration of Environmental Investigations, Tenerife | 10 credits |
| Pathway core units | | |
| EART39001 | Environmental Challenges: Air Pollution in Major Cities | 10 credits |
| EART31101 | Environmental Challenges: Arctic Climate Warming | 10 credits |
| EART33102 | Environmental Challenges: Waste Disposal | 10 credits |
| EART32102 | Environmental Challenges: Arsenic Contamination in Asia | 10 credits |
| Optional Units | | |
| You must select THREE of the following optional units; a maximum of one unit in semester 2. | | |
| EART38202 | Resource Projects: Life Cycles, Risk Analysis, Decision Making and Case Studies | 10 credits |
| EART33001 | Analytical Techniques in Earth and Environmental Sciences | 10 credits |
| EART37202 | Remote Sensing of Atmospheres | 10 credits |
| EART31201 | Meteorology and Forecasting | 10 credits |
| EART35001 | Atmospheric Composition | 10 credits |
| EART34102 | Geoenergy | 10 credits |
| EART36002 | Climate and Energy: Past, Present and Future | 10 credits |
| BIOL31551 | Human Impacts on the Biosphere | 10 credits |
| BIOL31541 | Living with Climate Change | 10 credits |
| You may also choose 1 unit (up to 20 credits max) – UCIL or Language unit* | | |
| ** Note that BIOL and UCIL units may clash with EART units and we cannot guarantee that this can be avoided | | |

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

MEnvSci (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. | | |
| EART40000 | Research Project in Environmental 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 | | |
| UCIL60312 | Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals† | 15 credits |
| EART4XXX0 | Option in Earth and Planetary Sciences | 15 credits |

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

MEnvSci with Industrial Experience (All pathways)

2nd year: Same as regular BSC programmes

3th year: EART39970 Core Environmental Science
EART39990 Placement in industry

| Fourth Year | | |
|--|--|------------|
| Core Units | | |
| You will automatically be enrolled on these units by the Earth Support Team. | | |
| EART40000 | Research Project in Environmental 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 | | |
| UCIL60312 | Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals† | 15 credits |
| EART4XXX0 | Option in Earth and Planetary Sciences | 15 credits |

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

MEnvSci with International Study (All pathways)

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. | | |
| EART40000 | Research Project in Environmental 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 | | |
| UCIL60312 | Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals† | 15 credits |
| EART4XXX0 | Option in Earth and Planetary Sciences | 15 credits |

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

MEnvSci with a Research Placement (All pathways)

2nd year: Same as regular BSC programmes

3th year: EART39970 Core Environmental Science

EART39980 Year in Research

| Fourth Year | | |
|--|--|------------|
| Core Units | | |
| You will automatically be enrolled on these units by the Earth Support Team. | | |
| EART40000 | Research Project in Environmental 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 | | |
| UCIL60312 | Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals† | 15 credits |
| EART4XXX0 | Option in Earth and Planetary Sciences | 15 credits |

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