

Degree Programme	BSc and MEarthSci Environmental Science
Pathway:	Atmospheric & Climate 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
EART15000	Respect and Dignity at Manchester	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
EART22001	Environmental Modelling	10 credits
EART25001	Ecology and Conservation	10 credits
EART21202	Global Climate Change	10 credits
EART27102	Field Course: Analysing Environmental Field Data	10 credits
EART29002	Environmental Enterprise	10 credits

Pathway core units

EART23001	Atmospheric Physics and weather	10 credits
EART27001	Environmental Chemistry 1: Water-Solid-Air Interactions	10 credits
EART28002	Environmental Chemistry 2: Biogeochemical Cycles	10 credits
EART29102	Geospatial Techniques	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
EART26201	Principles of Geochemistry	10 credits
EART22101	Evolution and Palaeobiology	10 credits
EART27201	Sedimentary Rocks and Fossils	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	Independent Project in Environmental Science	30 credits
EART31001	Communicating Science	10 credits
EART35302	Field Course: Integration of Environmental Investigations, Tenerife	10 credits

Pathway core units

EART37202	Remote sensing of Atmospheres	10 credits
EART35001	Atmospheric Composition	10 credits
EART36002	Climate and Energy: Past, Present and Future	10 credits
EART31201	Meteorology and Forecasting	10 credits

Optional Units

You must select THREE of the following optional units; a maximum of one unit can be taken 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
EART34102	Geoenergy	10 credits
EART39001	Environmental Challenges: Air Pollution in Major Cities	10 credits
EART31101	Environmental Challenges: Arctic Climate Warming	10 credits
EART33102	Environmental Challenges: Waste and Nuclear Waste Disposal	10 credits
EART32102	Environmental Challenges: Arsenic Contamination in Asia	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		
EART40120	Elective in Environmental 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: 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		
EART40120	Elective in Environmental 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		
EART40120	Elective in Environmental 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: 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		
EART40120	Elective in Environmental Sciences	15 credits

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