

Degree Programme	BSc and MEarthSci Environmental Science
Pathway:	Atmospheric & Climate Science
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=44088 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
EART27001	Environmental Chemistry 1: Water-Solid-Air Interactions	10 credits
EART27102	Field Course: Environmental Science	10 credits
EART28002	Environmental Chemistry 2: Biogeochemical Cycles	10 credits
EART29102	Geospatial Techniques	10 credits
EART21202	Global Climate Change	10 credits
Optional Units		
You must select THREE of the following optional units; two 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
EART25001	Ecology and Conservation	10 credits
EART27201	Sedimentary Rocks and Fossils	10 credits
EART21102	Environmental Microbiology	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**		
* <i>If chosen, students should also choose EART27201 Sedimentary Rocks and Fossils.</i>		
** 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		
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 Disposal	10 credits
EART32102	Environmental Challenges: Arsenic Contamination in Asia	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 one from the following		
UCIL60312	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals [†]	15 credits
OR	Third Year Option in Environmental Science	15* credits

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

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

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 one from the following		
UCIL60312	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals [†]	15 credits
OR	Year Three Option in Environmental Science	15* credits

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

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

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 one from the following		
UCIL60312	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals†	15 credits
OR	Third Year Option in Environmental Science	15* credits

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

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

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 one from the following		
UCIL60312	Creating a Sustainable world: Interdisciplinary Applications of the sustainable Development Goals†	15 credits
OR	Third Year Option in Environmental Science	15* credits

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

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