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 <a href="http://documents.manchester.ac.uk/display.aspx?DocID=44096">http://documents.manchester.ac.uk/display.aspx?DocID=44096</a> 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	u will automatically be enrolled on these units by the Earth Supp	ort Team.
EART29200	Professional Development and Project Preparation	10 credits
EART22001	Environmental Modelling	10 credits
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
EART29002	Environmental Enterprise	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**	

<sup>\*</sup> If chosen, students should also choose EART27201 Sedimentary Rocks and Fossils.

<sup>\*\*</sup>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	You will automatically be enrolled on these units by the Earth Support Team.		
EART34000	Pollution or Environmental Processes Research Project	30 credits	
EART31000	Communicating Science	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	
EART35302	Field Course: Integration of Environmental Investigations,	10 credits	
	Tenerife		
	Optional Units		
You must s	elect THREE of the following optional units; a maximum of one unit in	n semester 2.	
EART38202	Resource Projects: Life Cycles, Risk Analysis, Decision Making and	10 credits	
	Case Studies		
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\*

#### 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

<sup>\*\*</sup> Note that BIOL and UCIL units may clash with EART units and we cannot guarantee that this can be avoided

## MEnvSci (All pathways)

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

Fourth Year			
	Core Units		
You	u will automatically be enrolled on these units by the Earth Support T	eam.	
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	15 credits	
	sustainable Development Goals†		
EART4XXX0	Option in Earth and Planetary Sciences	15 credits	

### MEnvSci (All pathways) with Industrial Experience

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

### 3<sup>th</sup> year

EART39970 Core Environmental Science EART39990 Placement in industry

Fourth Year			
	Core Units		
You	u will automatically be enrolled on these units by the Earth Support T	eam.	
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	15 credits	
	sustainable Development Goals†		
EART4XXX0	Option in Earth and Planetary Sciences	15 credits	

# MEnvSci (All pathways) with International Study

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

3<sup>th</sup> year

EART39950 Study at University Abroad

Fourth Year			
	Core Units		
You	will automatically be enrolled on these units by the Earth Support T	eam.	
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	15 credits	
	sustainable Development Goals†		
EART4XXX0	Option in Earth and Planetary Sciences	15 credits	

### MEnvSci (All pathways) with a Research Placement

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

3<sup>th</sup> year

EART39970 Core Environmental Science

EART39980 Year in Research

Fourth Year			
	Core Units		
You	u will automatically be enrolled on these units by the Earth Support T	eam.	
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	15 credits	
	sustainable Development Goals†		
EART4XXX0	Option in Earth and Planetary Sciences	15 credits	

<sup>†</sup> Available to all except those who completed the unit at undergraduate level