

BSc (Hons) Environmental Sciences

Geographical Sciences / Faculty of Science and Engineering

Year 1 Modules

The preliminary year is designed to help you develop your English language skills so that you can make the most of your degree programme.

This special English language programme designed by the English for Academic Purposes experts at the University's Centre for English Language Education is carefully integrated with academic content modules so that you are prepared fully for years two to four of your degree programme.

Module Code	Module Title	Credits
CELEN048	Reading and Writing in Academic Contexts	20
CELEN052	English in Specific Academic Contexts B: Science & Engineering	20
CELEN069	Oral Communication Skills A	10
CELEN082	Oral Communication Skills B	10
CELEN036	Foundation Algebra for Physical Sciences and Engineering	10
CELEN037	Foundation Calculus and Mathematical Techniques	15
GEOGF001	Introduction to the Environment	10
GEOGF002	Environmental Data Science and Programming	15
CELEN038	The Scientific Method	10

Year 2 Modules

Module Code	Module Title	Credits
GEOG1026	Introduction to GIS	10
GEOG1022	Principles of Ecology	20
GEOG1025	Global Environmental Processes	20
GEOG1027	Interpreting Environmental Data	20
GEOG1028	Research Skills	20
GEOG1029	Environmental Science & Society	20
GEOG1023	The Digital Earth	10

Year 3 Modules

Compulsory Modules

Module Code	Module Title	Credits
BIOS2005	Soil Science	10
GEOG2071	Study Skills for Environmental Sciences	10
GEOG2003	Techniques in Physical Geography	20
BIOS2013	Climate Change Science	10
GEOG2031	Dissertation Preparation	10

Optional Modules

Module Code	Module Title	Credits
GEOG2006	Environmental Change (10cr) Autumn	10
GEOG2008	River Processes and Dynamics	20
GEOG2029	Spatial Decision Making (10cr) Autumn	10
BIOS2019	Ecosystem Processes	10
BIOS2101	Forest Ecology and Management (20 Credits)	20
GEOG2014	Spatial Decision Making	20
GEOL2001	Environmental Change	20
GEOG2009	Patterns of Life	20
GEOG2013	Rural Environmental Geography	20
GEOG2021	Earth Observation	20
BIOS2016	Computer Modelling in Science: Introduction (UP)	20
BIOS2075	The Green Planet	20

Year 4 Modules

Compulsory Modules

Module Code	Module Title	Credits
GEOG3004	Dissertation	40

Optional Modules

Module Code	Module Title	Credits
BIOS3036	Computer Modelling in Science: Applications	20

BIOS3041	Palaeobiology	10
BIOS3049	Environmental pollutants: fate, impact and remediation	20
BIOS3026	Environmental Biotechnology	10
GEOG3015	Freshwater Management (AUT)	20
GEOG3022	Geospatial Technologies: Mobile, Augmented and Virtual	20
GEOL3002	Global Climate Change	20
GEOG2021	Earth Observation	20
GEOG3028	Environmental Modelling	20
GEOG3057	Emerging Challenges in Biogeography	20