Geography
Contents

Why choose Geography at Liverpool? 01
Invest in your future 06
Degrees 08
Module details 16
Why choose Geography at Liverpool?

Geography offers unique insights into many of the most pressing issues facing the world in the 21st century, such as globalisation, geopolitics, climate change, sustainability, health, economics, population, hazards, pollution and natural resource management. Our degrees are intellectually stimulating and will help you to develop as an independent learner with the key skills for your future career.
Benefit from an award-winning learning environment
We have invested heavily in teaching facilities, including the £23 million award-winning Central Teaching Laboratories (CTL). This state-of-the-art learning environment includes a dedicated laboratory and access to computing and flexible teaching spaces. The CTL houses much of our industry-standard equipment, providing a superb learning environment. Our Geographical Information Systems/Cartography suite houses a computing centre and is one of the few staffed map collections in the country, containing over 100,000 maps, 600 atlases and access to digital data.

Shape your degree with flexible programmes and choice of modules
Specialise in physical or human geography, or maintain a mixture throughout your degree.

RGS-accredited degree programmes
Our BA and BSc Geography programmes have been accredited by the Royal Geographical Society (with IBG), ensuring that our graduates have globally-relevant subject knowledge, technical ability and transferable skills to address the needs of the world beyond higher education.

Study a subject with relevance to the world now
From understanding climate change through the study of glacial retreat, to making our coastlines resilient to flooding, to highlighting the legacies of the colonial past, all of our academic staff are involved in research that relates to the shape of our world now. Our work is also informing contemporary debates through policy interventions.

Study in a city ideal for Geography
A vibrant and lively city, with a dynamic marine and coastal environment, Liverpool is the ideal place to study human and physical geography with socio-cultural, political and physical landscapes evident within the city-region itself.

Be part of a friendly and supportive community
Staff in the department are passionate lecturers, with teaching of equal importance to research. Academic staff at all levels are engaged in our range of teaching, including lectures, practical sessions and fieldwork.

Enhance your studies with fieldwork*
From your first week to your final year, field classes are an integral part of your learning. Destinations include Santa Cruz (California), Toronto, Barcelona, Iceland, Lorca (Spain), Portugal and, closer to home, cities such as Glasgow, Belfast, Cardiff, Edinburgh, as well as the Lake District and mid-Wales. There is also the opportunity to undertake final year dissertation fieldwork abroad.

* A number of the School’s degree programmes involve laboratory and fieldwork. The fieldwork is carried out in various locations, ranging from inner city to coastal and mountainous environments. We consider applications from prospective students with disabilities on the same basis as all other students, and reasonable adjustments will be considered to address barriers to access.

Study Abroad
As part of your Geography degree programme you have the opportunity to spend a semester studying abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Geography students can currently apply to study with one of the many worldwide partners we share links with. For more information, visit liverpool.ac.uk/goabroad
Year in China

The Year in China is the University of Liverpool’s exciting new flagship programme enabling undergraduate students, from a huge range of departments, including Geography, the opportunity to spend one year at our sister university Xi’an Jiaotong-Liverpool University (XJTLU), following XJTLU’s BA China Studies degree classes. See liverpool.ac.uk/yearinchina for more information.

Teaching methods

To help you meet the intellectual and practical challenges of studying Geography, our programmes are taught using a student-centred approach, involving a range of learning experiences. These include:

- Small tutor groups (typically eight students) through all years
- High levels of field-based learning within the UK and abroad
- An emphasis on active, problem-based learning (‘learning by doing’)  
- Hands-on experience of cutting-edge laboratory technologies in physical geography
- Innovative GIS, statistical and qualitative research methodologies and community consultation in human geography
- Supervised independent and group project work, including (for Single Honours degrees) a final year independent research-based dissertation supervised by a dedicated expert in the field.
How you learn
A number of the School’s degree programmes involve laboratory and fieldwork. The fieldwork is carried out in various locations, ranging from inner city to coastal and mountainous environments. We consider applications from prospective students with disabilities on the same basis as all other students, and reasonable adjustments will be considered to address barriers to access.

How you are assessed
Assessments are designed around developing skills and styles of communication that will be relevant to future employers. So, in addition to exams and essays, you will also undertake assessments that include computer-based exercises, oral presentations, policy briefs, field projects, and research reports. Single Honours Geography students complete a compulsory 10,000-word dissertation in their final year on a topic of their choice. This is your opportunity to develop skills as an independent academic researcher, supported on a one-to-one basis by an expert in the field.

Languages at Liverpool
At Liverpool, you can learn a new language, or further develop your language skills through a number of routes. Studying a programme within Geography allows you to take a language as an extracurricular course or within your degree, as a credit-bearing module. See liverpool.ac.uk/languages for more information.
Geography is not just maps and rocks! Geography teaches you to think on a much larger scale, to see how each part of a scenario interacts with another and how they all link together. The assessment methods encourage you to produce a well-structured and rounded project, from being assessed on your presentation skills and group work to assessment based on your final project or through continuous assessment. The flexibility in module choices, combined with the innovative and varied assessment processes, allows students to flourish and progress to the next stage post university. I found when applying for graduate trainee schemes a lot of the skills and experience that I needed to get through the interviews and assessment centres I had obtained through my programme at Liverpool.

Tom Whelligan-Fell
Geography BA (Hons) Global Retail Human Resource Adviser, Graduate Trainee Scheme, Shell Oil
Invest in your future

Geography is a subject that bridges the social and physical sciences. Those studying geography develop transferable knowledge and skills which open up a wide range of career opportunities. As a result, geography students have one of the highest rates of graduate employment.

Our Geography degrees are constantly reviewed, in consultation with employers, to ensure that graduates leave with the key skills required to compete in the global workplace. This includes setting you non-traditional assignments, such as writing policy briefs and bringing employers and graduates into the university to meet and advise you. The tutorial system operating in all three years is specifically designed to provide support in the development of key transferable skills and important elements of career planning (including CV and interview skills, internship applications and skills audits, among others).

Recent graduates have embarked on rewarding careers with a broad range of public and private sector organisations. Some are putting their geographical knowledge to direct use working in jobs such as environment assistant for the Environment Agency, ranger, government researcher, resource planner and in business development. Other graduates are putting the transferable skills they have gained into practice in careers such as accountancy, teaching and management, and a significant number join graduate training programmes in major organisations.

Recent employers
- Bradford Council
- British Council
- British Gas
- Bruntwood
- BT
- Civil Service
- Envirolink
- Environment Agency
- Guardian News Group
- Hereford Council
- HM Revenue and Customs
- Housing Support Officer, London
- Lancashire County Council
- Mouchel
- Natural Resources, Wales
- NatWest
- Pricewaterhouse Coopers
- The Research Partnership
- Wolsley Group.
Work experience opportunities
We encourage students to undertake work experience and internships during the course of their degree and the tutorial programme includes sessions which help students identify what would be useful for them. In addition, as a geography student here, you will have the option to undertake a ‘work-based dissertation’, which combines your final year independent research project with a placement in industry. Our University Careers & Employability Service will help you to arrange your placement and an academic member of staff will supervise your research.

This provides you with the opportunity to undertake an internship related to your future career goals during the summer between Year Two and Three, and use this experience to contribute to your academic studies at the same time.

Our numerous fieldwork opportunities also offer the chance to work directly with a range of stakeholders from industry, the public sector and non-governmental organisations (NGOs).

Our current and past students have found these opportunities invaluable in developing work-based skills and networks to secure employment in their chosen career destinations.

Make yourself employable
By the time you graduate you will have developed valuable abilities such as numeracy, literacy, laboratory skills, critical thinking, teamwork, project management, graphica, research design, policy analysis and many more.

Geographical information systems (GIS) is an important specialist skill and an area in which we undertake world-leading research. Employers are increasingly looking for people who can use this technology, found in everything from mobile phones to state-of-the-art navigation aids. Such employers include planners and insurers, who use GIS to model flood risk, and private companies, who use it to identify potential customers.

Our students graduate with important skills in GIS which make them attractive to potential employers. Alongside this, the core research skills in human geography, including surveying, interviewing and innovative community liaison techniques stand students in good stead for a range of employment destinations. Likewise, the state-of-the-art laboratory techniques which our physical geographers learn, make them attractive to employers in the science and technology industries as well as environmental regulators and consultants.

A passion for learning: postgraduate studies
If you wish to continue your studies at postgraduate level and PhD study with opportunities to apply for funding from a range of organisations, including the ESRC (Economic and Social Research Council) and NERC (Natural Environment Research Council).

Geography is a subject that is relevant to everyday life. The way the world functions on a physical level alongside how we as humans have contributed to its development is fascinating, so the really good thing about Geography at Liverpool is that we aren’t limited to either human or physical geography and we are given the choice to interchange modules.

Isabel Saklawksa
Geography BA (Hons)
Degrees

Programmes at-a-glance

<table>
<thead>
<tr>
<th>Programme</th>
<th>UCAS code</th>
<th>Programme length</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography BA (Hons)</td>
<td>L700</td>
<td>3 years</td>
<td>08</td>
</tr>
<tr>
<td>Geography BSc (Hons)</td>
<td>F800</td>
<td>3 years</td>
<td>10</td>
</tr>
<tr>
<td>Geography and Planning BA (Hons)</td>
<td>L7K4</td>
<td>3 years</td>
<td>12</td>
</tr>
<tr>
<td>Geography BSc (Hons)</td>
<td>F808</td>
<td>1+3 years</td>
<td>14</td>
</tr>
</tbody>
</table>

Degrees offered with other departments

<table>
<thead>
<tr>
<th>Programme</th>
<th>UCAS code</th>
<th>Programme length</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Sciences BSc (Hons)</td>
<td>F750</td>
<td>3 years</td>
<td>14</td>
</tr>
<tr>
<td>Geography and Oceanography BSc (Hons)</td>
<td>FF78</td>
<td>3 years</td>
<td>14</td>
</tr>
<tr>
<td>Geology and Physical Geography BSc (Hons)</td>
<td>F6F8</td>
<td>3 years</td>
<td>15</td>
</tr>
<tr>
<td>Geology and Physical Geography MESci (Hons)</td>
<td>FF68</td>
<td>4 years</td>
<td>15</td>
</tr>
</tbody>
</table>

See liverpool.ac.uk/study/undergraduate/courses for current entry requirements.

Geography BA (Hons)

UCAS code: L700
Programme length: 3 years

Globalisation, geopolitics, population change, and sustainability are amongst the largest challenges confronting society in the 21st century. Geography enables you to understand these issues and the ways in which they shape the world.

Our degree programmes help you develop expert knowledge and skills to interrogate the range of different approaches to, and perspectives on, these issues, as well as the ability to understand how they interact.

Programme in detail

Students on the BA programme often choose more human geography oriented modules, and the core modules for this degree are focused in this area. However, you have the option to also take physical geography modules. Maintaining a balance between the two areas of geography is an option many of our students pursue. You can also take up to two 15 credit modules per year from other subjects so you can maintain an interest in another discipline as part of your BA Geography degree. We will guide you in your module choice to ensure that you choose modules which complement each other and follow a pathway which will help you to gain skills and knowledge relevant for your future career.

This programme is accredited by the Royal Geographic Society with IBG.
Year by year
In order to provide a strong foundation to your degree all students take core modules in Year One, which introduce you to the breadth of the subject, and the key ideas which inform the rest of the course.

In addition, you can choose other optional modules from within human and physical geography, or from other disciplines including sociology, planning, politics, history, modern languages, management, psychology, archaeology, Irish studies, oceanography, earth sciences and life sciences, amongst many others.

In Year Two, skills development is a central part of the course, with core modules in Research skills, Exploring the social world, Principles and theory in geography and a field class. You can then choose additional modules from a range of human geography specialisms. You also have the flexibility to choose physical geography modules along with options from outside the discipline.

In Year Three, you will complete an independent dissertation, which brings together the skills and techniques you have learned in the degree to produce your own piece of academic research. Amongst several specialist human geography modules at Year Three, there are opportunities for overseas field study in destinations such as Barcelona, Toronto and Shanghai.

Key Modules
Year One
Core modules
- Human geography through Merseyside (ENVS162)
- Living with environmental change (ENVS119)
- New horizons in human geography (ENVS116)
- Research frontiers in human geography (ENVS161)
- Study skills and GIS (ENVS100).

Selected optional modules
Choose three from:
- Comparative politics (POLI107)
- Contemporary town planning (ENVS152)
- Ecology and conservation (ENVS157)
- European politics II (POLI108)
- Experiments in physical geography I (ENVS120)
- Foundations in international politics (POLI104)

- Social change and social policy in contemporary society I (SOCL102)
- Social change and social policy in contemporary society II: changing inequalities (SOCL103)
- Theory and laboratory experiments in earth surface processes (ENVS165)
- Town and country planning: an introduction (ENVS110)
- Urban and environmental economics (ENVS155).

Year Two
Core modules
- Exploring the social world (ENVS225)
- Field class (Belfast) (ENVS282)
- Field class (Cardiff) (ENVS280)
- Field class (Edinburgh) (ENVS286)
- Field class (Glasgow) (ENVS288)
- Principles and theory in geography (ENVS249)
- Research skills (geography and environmental science) (ENVS203).

Selected optional modules
Choose three optional modules from:
- An introduction to environmental history (ENVS223)
- Catchment hydrology (ENVS217)
- Changing environments (ENVS214)
- Cities and regions (ENVS230)
- Climatology (ENVS231)
- Comparing welfare states (SOCL207)
- Deviance, youth and culture (SOCL252)
- Environmental sustainability (ENVS218)
- Geomorphology: ice, sea and air (ENVS252)
- GIS for human geography (ENVS257)
- Political economies of globalisation (ENVS264)
- Population and societies (ENVS221)
- Rural geographies (ENVS227)
- Social and cultural geographies (ENVS275)
- Soils, slopes and the environment (ENVS238)
- Strategic plan making (ENVS210)
- Urban morphology and place-making (ENVS256)
- Urban sociology (SOCL236).
**Year Three**
Students will select one compulsory module and choose six (four if taking the optional field class module) optional modules as detailed below.

One optional (30 credit) field class module:
- North America or Barcelona.

**Core modules**
- Geography dissertation (ENVS321)
- Geography work-based dissertation (ENVS323).

**Selected optional modules**
- Climate change – a critical review (ENVS389)
- Coastal environments: spatial and temporal change (ENVS376)
- Fluvial environments (ENVS372)
- Geographies of bodies and borders (ENVS344)
- Gender, the body and identity (SOCSI315)
- Geographic data science (ENVS363)
- Geographies of resistance (ENVS387)
- Human-environmental interactions (ENVS315)
- Ireland: Political, social and cultural geographies (ENVS399)
- Issues in geography (ENVS385)
- Maritime geographies (ENVS339)
- Natural hazards and society (ENVS319)
- Peace activism in a dangerous world (IRIS322)
- Poland: political, social and cultural geographies since 1939 (ENVS313)
- Politics of the environment (ENVS325)
- Postcolonial geographies (ENVS334)
- ‘Race’, community and identity (SOCSI346)
- Social and spatial inequalities (ENVS357)
- Social justice in a post-secular age (IRIS335)
- Teaching geography (ENVS308).

**Geography BSc (Hons)**
**UCAS code:** F800
**Programme length:** 3 years

Our BSc degree addresses important questions about whether the planet’s natural resources are able to sustain an increasing population, how physical earth systems respond to human activity and changing climate, how we manage resources, and how we live with environmental change.

If you are interested in environmental issues and like the idea of addressing problems on global and local scales, then this is the programme for you.

**Programme in detail**
Many people who take the Geography BSc (Hons) programme choose physical geography modules, which are more scientifically based. However, the full range of human geography modules is also open to you and the flexibility of the degree allows you to shape your own programme of study. This means that you can either specialise in physical geography or study both physical and human geography as part of a BSc degree. You can also take up to two 15 credit modules per year from other subjects so you can maintain an interest in another discipline as part of your BSc Geography degree. We will guide you in your module choice to ensure that you choose modules which complement each other and follow a pathway which will help you to gain skills and knowledge relevant for your future career.

This programme is accredited by the Royal Geographical Society with IBG.

**Year by year**
In order to give a strong foundation to your degree, all students take core modules in Year One, which introduce you to the breadth of the subject and give you a grounding in the key concepts and skills which are integral to the rest of the course. You then get a choice of optional modules from within physical or human geography, or from other disciplines including geology, oceanography, ecology, earth sciences, life sciences, modern languages, sociology, psychology, and planning amongst many others.

In Year Two, skills development is a central part of the course, including a week-long field class to Lorca, Spain. You can then choose additional modules from a range of physical geography specialisms, including Climatology, Catchment hydrology, Geomorphology: ice, sea and air, and Soils, slopes and the environment, along with human geography modules and those from other disciplines.

In Year Three, you will complete a dissertation, which brings together the skills and techniques you have learned in the degree to produce an independent piece of academic research. There are also opportunities for overseas field study.
Key modules

Year One
Core modules
- Changes in earth surface processes (ENVS163)
- Experiments in physical geography I (ENVS120)
- Experiments in physical geography II (ENVS154)
- Living with environmental change (ENVS119)
- Study skills and GIS (ENVS100).

Selected optional modules
- Climate, atmosphere and oceans (ENVS111)
- Earth structure and plate tectonics (ENVS112)
- Ecology and conservation (ENVS157)
- Environmental chemistry (ENVS153)
- Human geography through Merseyside (ENVS162)
- Introduction to marine biogeochemistry (ENVS158)
- Introduction to sedimentary rocks and fossils (ENVS118)
- Marine biology: life in the seas and oceans (ENVS121)
- Marine ecosystems: diversity, processes and threats (ENVS122)
- Mathematics and physics for environmental scientists (ENVS117)
- Minerals, magmas and volcanoes (ENVS115)
- New horizons in human geography (ENVS116)
- Research frontiers in human geography (ENVS161).

Year Two
Core modules
- Physical geography foreign field course (ENVS228)
- Principles and theory in geography (ENVS249)
- Research skills (geography and environmental science) (ENVS203).

Selected optional modules
- An introduction to environmental history (ENVS223)
- Catchment hydrology (ENVS217)
- Changing environments (ENVS214)
- Cities and regions (ENVS230)
- Climatology (ENVS231)
- Deep earth mineralisation systems (ENVS268)
- Dynamic stratigraphy (ENVS281)
- Environmental sustainability (ENVS218)
- Exploring the social world (ENVS225)
- Geomorphology: ice, sea and air (ENVS252)
- GIS for human geography (ENVS257)
- Key skills for environmental data analysis (ENVS202)
- Magmatism and volcanic hazards (ENVS262)
- Marine ecophysiology, ecology and exploitation (ENVS251)
- Marine pollution (ENVS232)
- Ocean environments (ENVS266)
- Palaeobiology and evolution (ENVS283)
- Political economies of globalisation (ENVS264)
- Population and societies (ENVS221)
- Rural geographies (ENVS227)
- Sedimentary processes and depositional environments (ENVS219)
- Social and cultural geographies (ENVS275)
- Soils, slopes and the environment (ENVS238).

Year Three
Students will select compulsory dissertation or work-based dissertation modules (30 credits) in addition to six (four if taking the optional field class module) of the optional modules detailed below.

One optional (30 Credit) field class module:
- Europe (Portugal or Iceland) or Santa Cruz (California).

Core modules
- Geography dissertation (ENVS321)
- Geography work-based dissertation (ENVS323)
- Field class (Algarve, Portugal) (ENVS380)
- Field class (Santa Cruz) (ENVS352).

Selected optional modules
- Climate change – a critical review (ENVS389)
- Coastal environments: spatial and temporal change (ENVS376)
- Evolution, oceans and climate (ENVS461)
- Fluvial environments (ENVS372)
- Geographic data science (ENVS363)
- Geographies of bodies and borders (ENVS344)
- Geographies of resistance (ENVS387)
- Global carbon cycle (ENVS335)
- Human-environmental interactions (ENVS315)
- Ireland: political, social and cultural geographies (ENVS399)
- Issues in geography (ENVS385)
- Marine ecology: theory and applications (ENVS383)

Continued over...
Maritime geographies (ENVS339)
Natural hazards and society (ENVS319)
Ocean dynamics (ENVS332)
Postcolonial geographies (ENVS334)
Science communication (ENVS393)
Surviving the marine environment: adaptation, behaviour and conservation (ENVS310)
Teaching geography (ENVS308).

Geography and Planning BA (Hons)
UCAS code: L7K4
Programme length: 3 years

Our Geography and Planning BA programme draws equally from both disciplines – with some flexibility to enable the inclusion of optional Sociology modules – offering an interdisciplinary and varied degree programme. The programme provides you with knowledge of the challenges facing modern society, the means to interpret diverse phenomena and an understanding of the conceptual and philosophical arguments surrounding human interactions with the environment. Students are supported to acquire and enhance their oral, written and visual communication skills and engage in group-based problem solving and practical work – gaining skills that are readily transferable to the workplace. A residential field class early in the first semester enables you to begin applying your learning to a real life setting straight away.

In Year Two principles, theory and skill levels are central components of our teaching to enable you to develop and engage deeply with module material. For example, you will gain further understanding of geographic theory, social statistics, strategic planning and place making. You have a choice of field classes in various locations in the UK. You continue to develop critical thinking and communication skills to enable you to analyse material and communicate ideas effectively. Project work enables you to develop an awareness of the methodological and spatial design issues that arise in the development of planning schemes.

Year Three offers you flexibility and choice to tailor your degree to your interests and developing expertise in both Geography and Planning. You are able to select modules that challenge you, enable you to explore areas of specialist knowledge and develop previous learning, as well as continue to develop your analytical, communication and research skills. You will complete a dissertation on a topic of your choice and you have multiple field class options to choose from.
Accreditation
Students studying on our BA Geography and Planning programme can gain professional accreditation through the Institute of Environmental Assessment & Management. This is dependent on student module choice and would require you to select modules ENVS329 Environmental assessment of policies, plans, programmes and projects and ENVS360 Environmental planning and management project in your final year of study.

Key modules
Year One
In addition to the following core modules, students select one optional module.

Core modules
- Contemporary town planning (ENVS152)
- Human geography through Merseyside (ENVS162)
- New horizons in human geography (ENVS116)
- Understanding place (ENVS105)
- Urban and environmental economics (ENVS155).

Selected optional modules
- Changing inequalities (SOCI103)
- Community planning (ENVS102)
- Ecology and conservation (ENVS157)
- Living with environmental change (ENVS119)
- Social change and social policy in contemporary society I (SOCI102)
- Social change and social policy in contemporary society II (SOCI103).

Year Two
Students will take the following compulsory modules, one field class optional module, one Geography optional module and one Planning optional module.

Core modules
- Exploring the social world (ENVS225)
- Principles and theory in geography (ENVS249)
- Research Skills (geography and environmental science) (ENVS203)
- Strategic plan making (ENVS210)
- Urban morphology and place-making (ENVS256).

Selected optional modules
- Cities and regions (ENVS230)
- Environmental sustainability (ENVS218)
- Field class (Belfast) (ENVS282)
- Field class (Cardiff) (ENVS280)
- Field class (Edinburgh) (ENVS286)
- Field class (Glasgow) (ENVS288)
- Field class (rural planning) (ENVS289)
- GIS for human geography (ENVS257)
- Political economies of globalisation (ENVS264)
- Social and cultural geographies (ENVS275).

Year Three
Students select one dissertation choice, and a further three Geography and three Planning optional modules.

Core module
- Dissertation MSc Planning (ENVS491).

Selected optional modules
- Civic design dissertation (BA) (ENVS302)
- Climate change – a critical review (ENVS389)
- Contemporary population dynamics (ENVS311)
- Environmental assessment of policies, plans, programmes and projects (ENVS329)
- Environmental planning and management project (ENVS360)
- Field class (Barcelona) (ENVS350)
- Field class (Shanghai) (ENVS390)
- Field class (Toronto) (ENVS353)
- Geographic data science (ENVS363)
- Geographies of bodies and borders (ENVS344)
- Geographies of resistance (ENVS387)
- Geography dissertation (ENVS321)
- Geography work-based dissertation (ENVS323)
- Green infrastructure planning (ENVS345)
- International planning studies (ENVS378)
- Ireland: political, social and cultural geographies (ENVS399)
- Issues in geography (ENVS385)
- Issues in planning research (ENVS346)
- Maritime geographies (ENVS339)
- Marine planning theory and practice (ENVS341)
- Planning and property development (ENVS369)
- Planning law and governance (ENVS348).
Poland: political, social and cultural geographies since 1939 (ENVS313)
Politics of the environment (ENVS325)
Postcolonial geographies (ENVS334)
Social and spatial inequalities (ENVS357)
Urban and regional regeneration (ENVS336)
Urban and regional regeneration project (ENVS384)
Urban design project (ENVS359)
Urban design studies (ENVS312).

Geography BSc (Hons) (4-year route including a Foundation Year at Carmel College)
UCAS code: F808
Programme length: 4 (1+3) years

Interested in studying for a BSc (Hons) Geography degree, but feel that you lack the appropriate science background or have a non-standard academic background? Then here is a programme that’s been designed for you.

Your Foundation Year is spent at Carmel College, after which studies transfer to the main University campus. The College offers small class sizes and high standards of academic achievement that are moderated by University staff. For more information contact E: degree@carmel.ac.uk

Programme in detail
You will gain a solid grounding in a range of science subjects including geography and mathematics and will have a choice of chemistry, physics, information technology or biology modules.

On completing the Foundation Year, you will then choose modules from the Geography BSc (Hons) programme and be based at the main University campus with the option to transfer onto the F6F8, FF78 or F800 programmes.

Year by year
Your first year (Year Zero) is based at Carmel College, St Helens, about nine miles from the main University campus. The programme, which is moderated by University staff, comprises introductory modules in geography, mathematics and one module chosen from chemistry, physics, information technology and biology.

In Years Two, Three and Four you follow your chosen modules from the BSc Geography list on the main University campus.

Degrees offered with other departments

Environmental Science BSc (Hons)
UCAS code: F750
Programme length: 3 years

Our Environmental Science degree provides an exceptional range of study opportunities delivered by world leading researchers from across the School of Environmental Sciences.

Programme in detail
Our degree is accredited by the Institution of Environmental Sciences and will give you an in-depth understanding of both natural and human induced environmental problems. All of our modules centre on real world issues and application including climate change, pollution, and natural hazards.

For more information, download the Environmental Science brochure from liverpool.ac.uk/study/undergraduate/courses/publications

Geography and Oceanography BSc(Hons)
UCAS code: FF78
Programme length: 3 years

The way that the earth behaves as a system results from interactions between the land, the oceans and the atmosphere.
Complex issues such as climate change, sea level rise and environmental pollution can only be fully understood if all the different facets of the earth’s behaviour are considered. While the ocean sciences deal with present day and future climate change scenarios, the link to physical geography provides an understanding of changes in climate over the last several thousand years to provide context for recent climate change. This was the first UK university programme to combine land, ocean and climate studies in an integrated programme of study.

For more information, download the Earth, Ocean and Ecological Science brochure from liverpool.ac.uk/study/undergraduate/courses/publications

Geology and Physical Geography BSc (Hons)
UCAS code: F6F8
Programme length: 3 years

Geology and Physical Geography BSc MESci (Hons)
UCAS code: FF68
Programme length: 4 years

The Earth surface system is dynamic and diverse, with changes driven by the interplay of physical, chemical, geological and biological processes in a wide range of environments.

Drawing on the complementary expertise of staff in geology and physical geography, this integrated degree programme provides a clear view of the controlling processes that link landscape evolution with environmental change and natural events that impact human activity.

This degree is accredited by the Geological Society of London, satisfying the requirements of Fellowship and Chartered Geologist status.

For more information, download the Earth, Ocean and Ecological Science brochure from liverpool.ac.uk/study/undergraduate/courses/publications
## Core and selected optional modules overview Year One

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes in earth surface processes ENVS163</td>
<td>2</td>
<td>15</td>
<td>This module involves lecture and field-based problem-solving approaches to explore some of the fundamental physical and chemical processes underlying physical geography.</td>
</tr>
<tr>
<td>Climate, atmosphere and oceans ENVS111</td>
<td>1</td>
<td>15</td>
<td>Gives an introduction to the climate system, the atmosphere and oceans. It addresses how the climate system varies, how climate is controlled by radiative forcing, and how the atmosphere and oceans are structured and circulate.</td>
</tr>
<tr>
<td>Community planning ENVS102</td>
<td>2</td>
<td>15</td>
<td>Students will develop an appreciation of the importance of planning at the community scale, and gain an understanding for local need and the value of community engagement.</td>
</tr>
<tr>
<td>Comparative politics I POLI107</td>
<td>1</td>
<td>15</td>
<td>Provides an introduction to politics by focusing on key contemporary issues, including the key challenges encountered when attempting to define and conceptualise the key debates around the status of democracy and crisis of the nation-state and themes encountered in politics, such as integration, international migration and security.</td>
</tr>
<tr>
<td>Contemporary town planning ENVS152</td>
<td>2</td>
<td>15</td>
<td>Extends your understanding of the form and operation of planning systems at the local level. It provides practical experience of data gathering, analysis and policy formulation for planning purposes.</td>
</tr>
<tr>
<td>Earth structure and plate tectonics ENVS112</td>
<td>1</td>
<td>15</td>
<td>Introduces the structure and composition of the Earth, its gravitational and magnetic fields, and dynamics within the deep Earth.</td>
</tr>
<tr>
<td>Ecology and conservation ENVS157</td>
<td>2</td>
<td>15</td>
<td>Introduces the complex and multifaceted nature of environmental issues and ecological science, particularly stressing the interrelationships between biophysical and human dimensions.</td>
</tr>
<tr>
<td>Environmental chemistry ENVS153</td>
<td>2</td>
<td>15</td>
<td>Provides a basic understanding of chemistry relevant for environmental sciences.</td>
</tr>
<tr>
<td>European politics II POLI108</td>
<td>1</td>
<td>15</td>
<td>Introduces the distinctive characteristics of political institutions in selected European states, the main features of political development in a range of European countries, and provides a basis for comparison between different European political systems.</td>
</tr>
<tr>
<td>Experiments in physical geography I ENVS120</td>
<td>1</td>
<td>15</td>
<td>Students will be taught careful observation, appropriate handling of liquids and solid samples, and correct use of analytical instruments.</td>
</tr>
<tr>
<td>Experiments in physical geography II ENVS154</td>
<td>2</td>
<td>15</td>
<td>This module uses laboratory experiments to allow Geography students to gain first-hand experience of some fundamental physical, biological and chemical processes underlying physical geography.</td>
</tr>
<tr>
<td>Foundations in international politics POLI104</td>
<td>2</td>
<td>15</td>
<td>Provides introductory foundations to the study of international politics by introducing the main theories and approaches.</td>
</tr>
<tr>
<td>Human geography through Merseyside ENVS162</td>
<td>2</td>
<td>15</td>
<td>Introduces to key areas of human geography inquiry practised at the University of Liverpool through engagement in intensive day-long practical exercises focused on the city itself.</td>
</tr>
<tr>
<td>Module title</td>
<td>Semester</td>
<td>Credit</td>
<td>Module description</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>----------</td>
<td>--------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Introduction to marine biochemistry ENVS158</td>
<td>2</td>
<td>15</td>
<td>Introduces the marine chemistry of the major and trace elements and explores the dynamic relationship between the chemical ocean environment and biological processes.</td>
</tr>
<tr>
<td>Introduction to sedimentary rocks and fossils ENVS118</td>
<td>1</td>
<td>15</td>
<td>Provides an introduction to the study of sediments and sedimentary rocks and introduces the main groups of common fossil.</td>
</tr>
<tr>
<td>Living with environmental change ENVS119</td>
<td>1</td>
<td>15</td>
<td>Living with environmental change is a key interdisciplinary research theme currently being addressed worldwide, from tackling climate change and carbon emissions to promoting sustainable resource use and energy efficiency. This module gives an introduction to these key areas of research.</td>
</tr>
<tr>
<td>Marine biology: life in the seas and ocean ENVS121</td>
<td>1</td>
<td>15</td>
<td>Explores the main groups of organisms found in the marine environment.</td>
</tr>
<tr>
<td>Marine ecosystems: diversity, processes and threats ENVS122</td>
<td>2</td>
<td>15</td>
<td>You’ll learn about the diversity of ecosystems in the marine environment and the various threats they face.</td>
</tr>
<tr>
<td>Mathematics and physics for environmental scientists ENVS117</td>
<td>1</td>
<td>15</td>
<td>Provides an understanding of the basic maths and physics relevant to processes in the atmosphere, ocean and solid earth. It is particularly aimed at students without A level maths or equivalent.</td>
</tr>
<tr>
<td>Minerals, magmas and volcanoes ENVS115</td>
<td>1</td>
<td>15</td>
<td>Examines the physical processes of the main types of volcanic activity and the associated hazards. It also introduces the main rock forming minerals and examines volcanic hazards awareness and principles of risk mitigation.</td>
</tr>
<tr>
<td>New horizons in human geography ENVS116</td>
<td>1</td>
<td>15</td>
<td>Introduces new aspects of geographical thought and it raises awareness of the complexity of issues such as poverty, development and politics.</td>
</tr>
<tr>
<td>Research frontiers in human geography ENVS161</td>
<td>2</td>
<td>15</td>
<td>Provides an introduction to cutting edge debates within contemporary human geography, the humanities and social sciences.</td>
</tr>
<tr>
<td>Social change and social policy in contemporary society I SOCI102</td>
<td>1</td>
<td>15</td>
<td>Explores processes of social continuity and change over time in various areas of social life from a social science perspective.</td>
</tr>
<tr>
<td>Social change and social policy in contemporary society II: changing inequalities SOCI103</td>
<td>2</td>
<td>15</td>
<td>Provides an appreciation of the main changes that have taken place in British society since 1945, with a particular emphasis on ‘race’ and ethnicity, gender and social class alongside an understanding of how sociologists have studied, described and explained these changes.</td>
</tr>
<tr>
<td>Study skills and GIS ENVS100</td>
<td>1 and 2</td>
<td>30</td>
<td>This module helps students to develop their core study skills, including essay writing at degree level, presentation skills, searching and referencing. Students will also be introduced to and will develop basic competency in Geographical Information Skills.</td>
</tr>
<tr>
<td>Theory and lab experiments in Earth surface processes ENVS165</td>
<td>1</td>
<td>15</td>
<td>The module uses a lecture and laboratory-based problem-solving approach to explore some of the fundamental physical and chemical processes underlying physical geography. It provides a foundation for environmental and physical geography modules in Years Two and Three.</td>
</tr>
<tr>
<td>Town and country planning: an introduction ENVS110</td>
<td>1</td>
<td>15</td>
<td>Provides an introduction to the history, theory and practice of town and country planning in Britain.</td>
</tr>
</tbody>
</table>

Please note: modules are illustrative only and subject to change. Modules may not be available across all programmes, please check programme details on pages 08-15.
Core and selected optional modules overview Year One (continued)

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understanding place</td>
<td>1 and 2</td>
<td>15</td>
<td>Students will develop the skills needed by students and practitioners of planning, and will develop their understanding of a city through a field study, planning policy, planning practice and academic planning studies.</td>
</tr>
<tr>
<td>Urban and environmental economics</td>
<td>1</td>
<td>15</td>
<td>Provides an introduction of some key micro and macroeconomic concepts and principles relevant to urban and environmental policies. It introduces basic spatial analytical techniques and methods used to analyse economic and demographic trends and issues.</td>
</tr>
</tbody>
</table>

Please note: modules are illustrative only and subject to change. Modules may not be available across all programmes, please check programme details on pages 08-15.

Core and selected optional modules overview Year Two

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>An introduction to environmental history</td>
<td>1</td>
<td>15</td>
<td>Introduces the rapidly developing field of environmental history.</td>
</tr>
<tr>
<td>Catchment hydrology</td>
<td>1</td>
<td>15</td>
<td>Investigates the main hydrological processes operating in drainage catchments in terms of their measurement, operation and controlling factors.</td>
</tr>
<tr>
<td>Changing environments</td>
<td>1</td>
<td>15</td>
<td>Explores how climate and human activities have shaped our landscape, from micro- to macro-scale.</td>
</tr>
<tr>
<td>Cities and regions</td>
<td>1</td>
<td>15</td>
<td>Develops an understanding of the nature of urban and regional change and the policy issues that these changes present.</td>
</tr>
<tr>
<td>Climatology</td>
<td>1</td>
<td>15</td>
<td>This module covers energy balance and transfer processes at the surface, clouds, rain formation, weather forecasting, monsoons, tropical cyclones, weather in the high latitudes, atmospheric optics and the British climate.</td>
</tr>
<tr>
<td>Comparing welfare states</td>
<td>2</td>
<td>15</td>
<td>Explains Esping-Andersen’s typology of welfare regimes, “the three worlds of welfare capitalism”. It compares and contrasts welfare settlements in liberal, conservative and social democratic regimes with reference to the USA, Germany and Sweden.</td>
</tr>
<tr>
<td>Deep earth mineralisation systems</td>
<td>2</td>
<td>7.5</td>
<td>Examines the igneous processes that form layered mafic igneous complexes and associated nickel and platinum group element ore deposits.</td>
</tr>
<tr>
<td>Deviance, youth and culture</td>
<td>1</td>
<td>15</td>
<td>Examines historical and sociological perspectives on deviancy, the cultural production of deviancy and its political effects.</td>
</tr>
<tr>
<td>Module title</td>
<td>Semester</td>
<td>Credit</td>
<td>Module description</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>----------</td>
<td>--------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Dynamic stratigraphy ENVS281</td>
<td>2</td>
<td>7.5</td>
<td>Examines controls on the stratigraphic organisation of sedimentary strata, and develops an understanding of how a time framework can be established in such strata.</td>
</tr>
<tr>
<td>Environmental sustainability ENVS218</td>
<td>1</td>
<td>15</td>
<td>Introduces current thinking in relation to sustainable development and locates environmental sustainability within this broader framework of ideas.</td>
</tr>
<tr>
<td>Exploring the social world ENVS225</td>
<td>1</td>
<td>15</td>
<td>Provides students with the knowledge of the different research methodologies that are available to carry out research in Geography and more widely in the Social Sciences.</td>
</tr>
<tr>
<td>Field class (Edinburgh Glasgow, Belfast or Cardiff) ENVS286, ENVS282, ENVS288, ENVS280</td>
<td>2</td>
<td>15</td>
<td>This module provides, through a week long residential trip, practical experience and training in designing, executing, analysing, writing-up and presenting a field research project.</td>
</tr>
<tr>
<td>Field class (rural planning) ENVS289</td>
<td>2</td>
<td>15</td>
<td>Provides an introduction and understanding of the dynamics of change in the countryside and provide an examination of the role of key actors and agencies. The module will examine and critically evaluate policy initiatives for both the human and natural environments and inter-relationships and tensions between the two.</td>
</tr>
<tr>
<td>Geomorphology: ice, sea and air ENVS252</td>
<td>2</td>
<td>15</td>
<td>Students will develop an understanding of major geomorphic systems and how they create terrestrial landforms.</td>
</tr>
<tr>
<td>GIS for human geography ENVS257</td>
<td>1</td>
<td>15</td>
<td>Students are introduced to the fundamentals of GIS and will develop theoretical knowledge of GIS and a practical ability to apply GIS in the handling and analysis of spatial data in a human geography context.</td>
</tr>
<tr>
<td>GIS for planners ENVS279</td>
<td>2</td>
<td>15</td>
<td>Provides core competence in basic GIS with a focus on applications of these techniques in the applied context of planning.</td>
</tr>
<tr>
<td>Key skills for environmental data analysis ENVS202</td>
<td>1</td>
<td>15</td>
<td>Develops skills in environmental data analysis and develops a critical approach to the results of data analysis.</td>
</tr>
<tr>
<td>Magmatism and volcanic hazards ENVS262</td>
<td>2</td>
<td>7.5</td>
<td>Examines fundamentally contrasting magmatic systems and considers in each case the nature and origin of the magmatic activity with follow-up intensive case studies of actual and putative associated hazards.</td>
</tr>
<tr>
<td>Marine ecophysiology: ecology and exploitation ENVS251</td>
<td>2</td>
<td>15</td>
<td>Provides essential background knowledge in marine ecology, ecophysiology and resource exploitation.</td>
</tr>
<tr>
<td>Marine pollution ENVS232</td>
<td>1</td>
<td>15</td>
<td>Introduces the main anthropogenic stressors, their effects and importance on the marine system, as well as developing an awareness of the current problems.</td>
</tr>
<tr>
<td>Ocean environments ENVS266</td>
<td>2</td>
<td>15</td>
<td>Covers the oceanographic concepts needed to understand how coastal seas work, reaching from within estuaries, out across the shelf sea and to the shelf edge. Topics covered include circulation and transports in estuaries, estuaries as sources of nutrients to the ocean, waves and tides in coastal seas, the links between the physics, the plankton and important fisheries, and the reasons for coastal seas being so different to the open ocean.</td>
</tr>
</tbody>
</table>

Please note: modules are illustrative only and subject to change. Modules may not be available across all programmes, please check programme details on pages 08-15.
## Core and selected optional modules overview Year Two (continued)

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palaeobiology and evolution ENVS283</td>
<td>1</td>
<td>7.5</td>
<td>Introduces evolutionary theory and how fossils contribute to the study of evolution.</td>
</tr>
<tr>
<td>Physical geography foreign field course ENVS228</td>
<td>1</td>
<td>15</td>
<td>Enables students to understand processes and characteristics of a particular and contrasting environment to the UK.</td>
</tr>
<tr>
<td>Political economies of globalisation ENVS264</td>
<td>2</td>
<td>15</td>
<td>Introduces the study of globalisation. It is of interest to those who wish to learn how capitalism has transformed the world, and what challenges this transformation entails for the functioning of national and local economies, states and societies.</td>
</tr>
<tr>
<td>Population and societies ENVS221</td>
<td>1</td>
<td>15</td>
<td>Provides a general introduction to the field of population geography. A basic demographic understanding of population change is placed within a spatial framework, allowing exploration of the nature and causes of national, societal and cultural differences in these changes.</td>
</tr>
<tr>
<td>Principles and theory in geography ENVS249</td>
<td>1</td>
<td>15</td>
<td>Students will develop an understanding of the interrelations and interface between physical and human Geography, particularly around environmental issues.</td>
</tr>
<tr>
<td>Research skills ENVS203</td>
<td>1 and 2</td>
<td>15</td>
<td>Provides students with training in research methods and analysis techniques.</td>
</tr>
<tr>
<td>Rural geographies ENVS227</td>
<td>1</td>
<td>15</td>
<td>Students will develop a critical awareness of the changes taking place in contemporary rural areas.</td>
</tr>
<tr>
<td>Sedimentary processes and depositional environments ENVS219</td>
<td>1</td>
<td>15</td>
<td>This module addresses aspects of physical, chemical and biological processes of sedimentation in the context of the depositional settings in which they operate.</td>
</tr>
<tr>
<td>Social and cultural geographies ENVS275</td>
<td>2</td>
<td>15</td>
<td>Introduces the sub-fields of social and cultural geographies. In particular, the module explores the relationships between social identities (eg gender, class, sexuality and ethnicity), power, and space and examines the ways in which meaning is produced through ‘culture’ (such as media, performance, and material culture).</td>
</tr>
<tr>
<td>Soils, slopes and the environment ENVS238</td>
<td>2</td>
<td>15</td>
<td>This module enables students to gain an understanding of the fundamental properties and characteristics of slopes and soils, the forming processes and evolution.</td>
</tr>
<tr>
<td>Strategic plan making ENVS210</td>
<td>2</td>
<td>15</td>
<td>Provides an introduction to the methods and techniques that are used in the preparation and implementation of strategic plans and policies.</td>
</tr>
<tr>
<td>Urban morphology and place making ENVS256</td>
<td>2</td>
<td>15</td>
<td>Introduces the history, theories and practice of urban design as the principal means of creating and protecting the quality of ‘place’ in the urban fabric.</td>
</tr>
<tr>
<td>Urban sociology SOCI236</td>
<td>2</td>
<td>15</td>
<td>Provides an introduction to classical and contemporary social scientific approaches to the study of urban life.</td>
</tr>
</tbody>
</table>

Please note: modules are illustrative only and subject to change. Modules may not be available across all programmes, please check programme details on pages 08-15.
# Core and selected optional modules overview Year Three

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civic dissertation (BA)</td>
<td>1 and 2</td>
<td>30</td>
<td>Enables students to develop and practise academic skills in identifying a research topic, formulating a research design, managing the extended research process and achieving milestones, and, drawing relevant policy conclusions from the research findings.</td>
</tr>
<tr>
<td>Climate change: a critical review</td>
<td>2</td>
<td>15</td>
<td>Provides students with the knowledge to evaluate the likely outcomes of climate change and climate variability over the next 100 years, to understand policy decisions at different levels, to obtain a critical understanding of climate predictions, and to understand the importance of reference to past and present climates.</td>
</tr>
<tr>
<td>Coastal environments: spatial and temporal change</td>
<td>1</td>
<td>15</td>
<td>This module aims to consider the response of physical processes and coastal environments to changes in sea-level and climate.</td>
</tr>
<tr>
<td>Contemporary population dynamics</td>
<td>2</td>
<td>15</td>
<td>The fertility, morality and migration dynamics of a representative cross-section of European countries are examined and competing explanations for demographic changes are discussed.</td>
</tr>
<tr>
<td>Environmental planning and management project</td>
<td>2</td>
<td>15</td>
<td>This module is based upon the execution of a mini-project that is carried out by small groups of students.</td>
</tr>
<tr>
<td>Dissertation</td>
<td>1</td>
<td>30</td>
<td>Provides an opportunity for students to develop their own research project on a topic of their choice. Students are supported by an expert academic supervisor on a one-to-one basis, guiding them through all stages of research design, data collection, interpretation, and write up.</td>
</tr>
<tr>
<td>Dissertation MCD/MA/MSc Planning</td>
<td>Summer</td>
<td>60</td>
<td>Introduces students to research and how to start a research project on a selected planning research topic.</td>
</tr>
<tr>
<td>Environmental assessment of politics, policies, plans, programmes and projects</td>
<td>1</td>
<td>15</td>
<td>Provides a comprehensive overview of the theory and practice of strategic environmental assessment and projects of policies, plans and programmes and of the environmental impact assessment of projects.</td>
</tr>
<tr>
<td>Evolution, oceans and climate</td>
<td>1</td>
<td>15</td>
<td>Develops knowledge and understanding of the major controls on the behaviour of the Earth's oceans, climates and the interaction of climate and the evolution of life on Earth.</td>
</tr>
<tr>
<td>Field class (Algarve, Portugal)</td>
<td>2</td>
<td>30</td>
<td>Aims to develop an understanding of the physical and biological landscape of the Algarve and its modification by human action; to get to know the basic geomorphic evolution of the Algarve area in the light of climate change.</td>
</tr>
<tr>
<td>Field class: Barcelona</td>
<td>2</td>
<td>30</td>
<td>Through field research the module draws comparison between the cities of Liverpool and Barcelona, exploring how both have become templates for urban renewal following industrial decline.</td>
</tr>
</tbody>
</table>

Please note: modules are illustrative only and subject to change. Modules may not be available across all programmes, please check programme details on pages 08-15.
## Core and selected optional modules overview Year Three (continued)

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field class: Santa Cruz (California) or Iceland</td>
<td>2</td>
<td>30</td>
<td>Provides a unique opportunity to undertake two weeks high quality human or physical geography field-based research.</td>
</tr>
<tr>
<td>(Shanghai) ENVS390</td>
<td>2</td>
<td>30</td>
<td>Provides students with an understanding of the factors that are contributing to the pace of change.</td>
</tr>
<tr>
<td>Field class: Toronto ENVS353</td>
<td>2</td>
<td>30</td>
<td>Features a 12-day intensive field visit to Toronto, where students will explore the human geographies of the city through independent field observations and group research projects.</td>
</tr>
<tr>
<td>Fluvial environments ENVS372</td>
<td>2</td>
<td>15</td>
<td>Students will develop an understanding of functioning and stability/instability characteristics of fluvial geomorphic systems, both in humid and arid regions over timescales.</td>
</tr>
<tr>
<td>Gender, the body and identity SOCI315</td>
<td>2</td>
<td>15</td>
<td>Explores a number of different and contrasting theoretical approaches which place gender, the body and identity at the centre of analysis including: feminist sociology, radical feminism, corporeal feminism, poststructural feminism, black feminism, queer theory and material feminism.</td>
</tr>
<tr>
<td>Geographic data science ENVS363</td>
<td>1</td>
<td>15</td>
<td>This module provides students with core competences in Geographic Data Science (GDS).</td>
</tr>
<tr>
<td>Geographies of bodies and borders ENVS344</td>
<td>1</td>
<td>15</td>
<td>Develops students critical understanding of the relationship between bodies, identities and border politics and of the ways in which power operates on bodies and through borders/boundaries at a range of scales including geopolitics, public health policy, the prison, the home and the media.</td>
</tr>
<tr>
<td>Geographies of resistance ENVS357</td>
<td>1</td>
<td>15</td>
<td>This module surveys how geographers and others have theorised protest, resistance and other strategies for change though a range of theoretical approaches and case studies.</td>
</tr>
<tr>
<td>Global carbon cycle ENVS335</td>
<td>2</td>
<td>15</td>
<td>Provides a view of the ocean carbon cycle as a dynamic system. It gives students an appreciation of the importance of chemical and biological processes in controlling the distribution of carbon in the ocean, and the impact environmental change may have on it.</td>
</tr>
<tr>
<td>Green infrastructure planning ENVS345</td>
<td>2</td>
<td>15</td>
<td>Introduces the field of green infrastructure and green space planning by addressing its principles, values and utility within urban planning.</td>
</tr>
<tr>
<td>Human-environmental interactions ENVS315</td>
<td>1</td>
<td>15</td>
<td>This module aims to demonstrate and review how successful management of modern and future landscapes often requires a long time perspective.</td>
</tr>
<tr>
<td>International planning studies ENVS378</td>
<td>2</td>
<td>30</td>
<td>Working from a global perspective this module requires students to critically examine the process and function of planning in a number of countries. This is achieved by providing an understanding of the purposes, principles and methods of comparative planning study and the potential and challenges of cross-national comparison and learning. Students will also develop an awareness of the ‘context-dependent’ nature of planning as an activity embedded in different national, cultural, political and spatial settings.</td>
</tr>
<tr>
<td>Module title</td>
<td>Semester</td>
<td>Credit</td>
<td>Module description</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>----------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Ireland: political, social and cultural geographies</td>
<td>2</td>
<td>15</td>
<td>Develop your knowledge of Irish cultural geography from human settlements until the present.</td>
</tr>
<tr>
<td>Issues in geography</td>
<td>2</td>
<td>15</td>
<td>Offers the opportunity to explore a topic or approach which is new to the student.</td>
</tr>
<tr>
<td>Marine ecology: theory and applications</td>
<td>2</td>
<td>15</td>
<td>Develops the connections between ecological theory and the management of marine communities and ecosystems.</td>
</tr>
<tr>
<td>Maritime geographies</td>
<td>2</td>
<td>15</td>
<td>Enables students to develop a critical understanding of how, historically, maritime worlds have shaped global geographies, an awareness of how physically the seas have shaped port cities and develop a deep knowledge of how in the present era, oceans are vital to legal, economic and environmental concerns.</td>
</tr>
<tr>
<td>Marine planning theory and practice</td>
<td>1</td>
<td>15</td>
<td>The aim of this module is to introduce students to the theoretical, practical and critical background of marine planning as it is developing internationally.</td>
</tr>
<tr>
<td>Natural hazards and society</td>
<td>1</td>
<td>15</td>
<td>Provides an integrated perspective on a variety of natural hazards. It explores the different levels of impact on human societies, and the mitigation/adaptation strategies adopted before, during and after extreme natural events.</td>
</tr>
<tr>
<td>Ocean dynamics</td>
<td>1 and 2</td>
<td>15</td>
<td>Students will improve their understanding of how the ocean and atmosphere behave, including comparing the importance of physical processes in the climate system.</td>
</tr>
<tr>
<td>Peace activism in a dangerous world</td>
<td>2</td>
<td>15</td>
<td>Provides a detailed overview of the different forms of peace building.</td>
</tr>
<tr>
<td>Planning and property development</td>
<td>1</td>
<td>15</td>
<td>This module is concerned with the processes through which the built environment is used, produced, managed and renewed.</td>
</tr>
<tr>
<td>Poland: political, social and cultural geographies in 1939</td>
<td>2</td>
<td>15</td>
<td>Focuses on the social and geographical developments in Poland since 1939, considering the three key periods of second world war, socialism and post-socialism.</td>
</tr>
<tr>
<td>Planning law and governance</td>
<td>1</td>
<td>15</td>
<td>Extends your knowledge of the governance, institutional and political contexts in which spatial planning operates within the UK and to examine the relationships between planners as professional and technical experts, clients, civil society and citizens. It also introduces current town and country planning legislation in England and Wales and provides an overview of the law relating to the management of development in practice.</td>
</tr>
<tr>
<td>Politics of the environment</td>
<td>1</td>
<td>15</td>
<td>Critically evaluates the political responses to the growing impact that environmental issues and the concept of sustainability are having on decision making at all levels of governance (international, national and local).</td>
</tr>
<tr>
<td>Postcolonial geographies</td>
<td>1</td>
<td>15</td>
<td>Explores the relevance of postcolonial ideas to understanding the contemporary world.</td>
</tr>
</tbody>
</table>

Please note: modules are illustrative only and subject to change. Modules may not be available across all programmes, please check programme details on pages 08-15.
### Core and selected optional modules overview Year Three (continued)

<table>
<thead>
<tr>
<th>Module title</th>
<th>Semester</th>
<th>Credit</th>
<th>Module description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Race, community and identity</td>
<td>2</td>
<td>15</td>
<td>Explores the impact of colonialism on patterns of migration to Britain in the post war period and the creation of greater ethnic diversity. It examines the changing nature of racism as an ideology by exploring and contextualising scientific and institutional forms of racisms and &quot;newer&quot; manifestations through Islamophobia and the conflictual relationship between the state and minority ethnic communities.</td>
</tr>
<tr>
<td>Research issues in planning</td>
<td>1</td>
<td>15</td>
<td>Enables students to develop a topic of their own choice in greater depth and improve their skills in identifying and defining an academic or societal planning problem, develop and present an idea to a professional audience, and organise thoughts in writing.</td>
</tr>
<tr>
<td>Science communication</td>
<td>1</td>
<td>15</td>
<td>You will learn about science communication and then prepare and deliver practical science workshops to local schools (primary and secondary).</td>
</tr>
<tr>
<td>Social and spatial inequalities</td>
<td>2</td>
<td>15</td>
<td>Gives you an understanding of several core areas of social and spatial inequalities and how these interrelate.</td>
</tr>
<tr>
<td>Social justice</td>
<td>2</td>
<td>15</td>
<td>Develops an understanding of both secular and religious concepts of social justice and investigates the role that social justice activism can play in society.</td>
</tr>
<tr>
<td>Surviving the marine environment: adaption, behaviour and conservation</td>
<td>1</td>
<td>15</td>
<td>Fosters a broad understanding of contemporary theory in behavioural ecology, evolutionary biology and ecophysiology in the marine environment.</td>
</tr>
<tr>
<td>Teaching geography</td>
<td>1 and 2</td>
<td>15</td>
<td>Provides teaching experience for undergraduates who are considering teaching as a potential career as well as providing key transferable skills including: communication; presentation; practical classroom skills and team working.</td>
</tr>
<tr>
<td>Urban and regional regeneration</td>
<td>1</td>
<td>15</td>
<td>Provides an opportunity for students to gain practical experience in the field of urban regeneration, developing their capacity to research and synthesise data from a variety of sources and to formulate policy responses in relation to specific aspect of urban regeneration.</td>
</tr>
<tr>
<td>Urban design and regeneration project</td>
<td>2</td>
<td>15</td>
<td>Students will, by means of a realistic design brief through the process of analysing a large site, carry out necessary contextual studies and then prepare an urban design framework, an indicative site master plan and develop a smaller part of the site in more detail.</td>
</tr>
<tr>
<td>Urban design project</td>
<td>2</td>
<td>15</td>
<td>Leads students by means of a realistic design brief through the process of analysing a large site, carrying out necessary contextual studies and then preparing an urban design framework, an indicative site master plan and to develop a smaller part of the site in more detail.</td>
</tr>
<tr>
<td>Module title</td>
<td>Semester</td>
<td>Credit</td>
<td>Module description</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>----------</td>
<td>--------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Urban design studies</td>
<td>1</td>
<td>15</td>
<td>The module is designed as a follow-on to ENVS256 'Urban Morphology and Place-Making' to explore some of the themes of urban design in more depth. The aim is to expand on and deepen a student's understanding of the character and quality of places, including the key components of urban form.</td>
</tr>
<tr>
<td>ENVS312</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work based dissertation</td>
<td>1</td>
<td>30</td>
<td>This module gives you the opportunity to undertake an independent research project tailored to a specific work environment or industry. It involves a minimum of 20 days work-experience over the summer between Year Two and Three.</td>
</tr>
<tr>
<td>ENVS323</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please note: modules are illustrative only and subject to change. Modules may not be available across all programmes, please check programme details on pages 08-15.
Find out more
liverpool.ac.uk/study

Accommodation: liverpool.ac.uk/accommodation
Fees and student finance: liverpool.ac.uk/money
Life in Liverpool: liverpool.ac.uk/study/undergraduate/welcome-to-liverpool
Student Welfare Advice and Guidance: liverpool.ac.uk/studentsupport
Undergraduate enquiries and applications: T: +44 (0)151 794 5927
@livunigeog

Geography
The University of Liverpool
Roxby Building
Liverpool
L69 7ZL

T: +44 (0)151 794 2874
E: soessouth@liverpool.ac.uk
liverpool.ac.uk/geography

Information provided is correct at time of going to press and is subject to change.