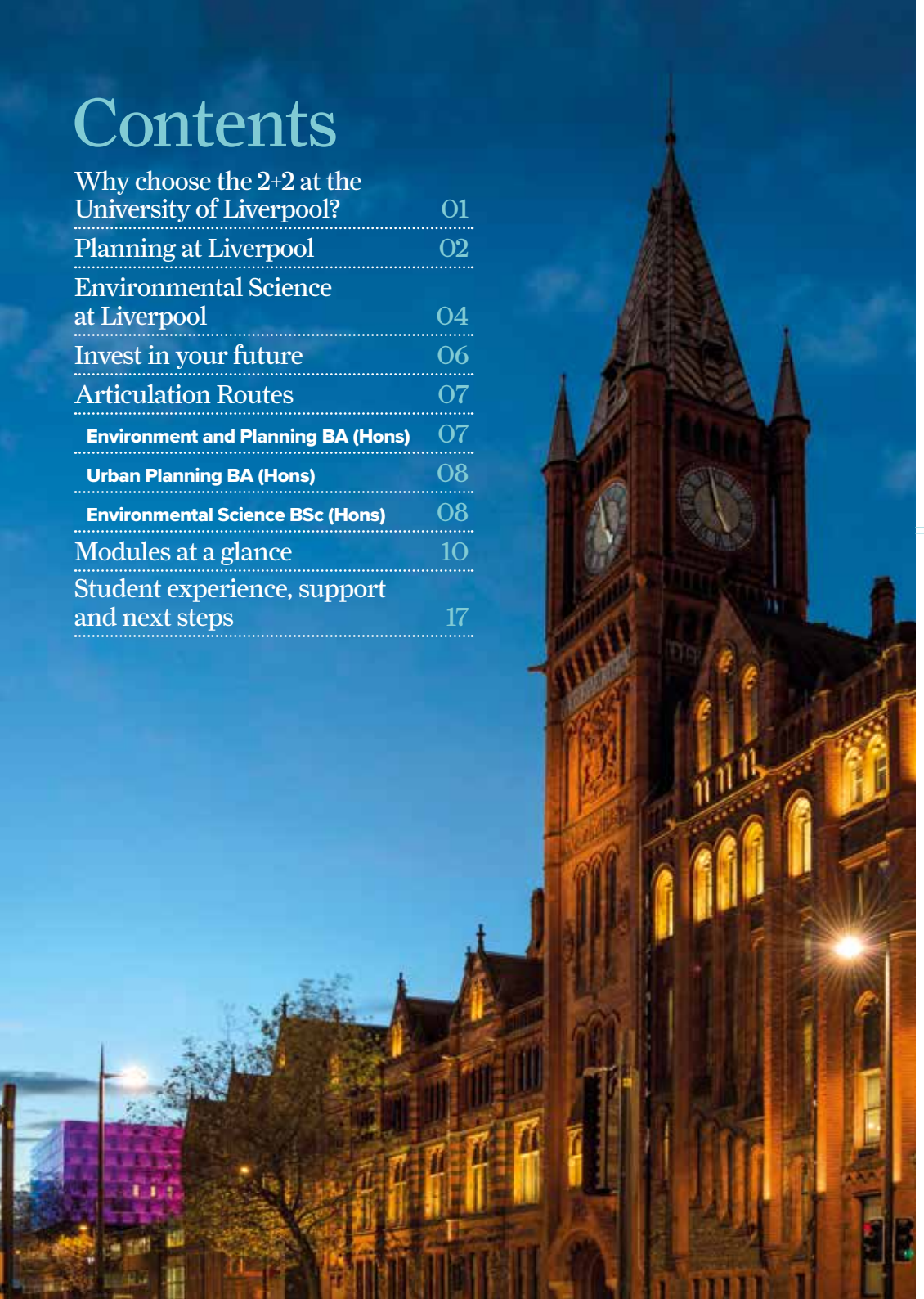
UNIVERSITY OF LIVERPOOL

Planning & Environmental Science

2+2

THE ORIGINAL RED BRICK



Contents

Why choose the 2+2 at the University of Liverpool?

Our story began in 1881 . . .The University of Liverpool became one of the first civic universities. **The original redbrick.**

Nearly 140 years later, we are still as original as ever - offering different viewpoints and daring ideas. Unique perspectives and a city bursting with character. We are uncovering world firsts through our pioneering research and helping you to forge your own original path. Studying in Liverpool will provide you with an amazing, life-changing university experience that will help you to achieve your ambitions.

Internationally recognised

- Ranked 165th in the Times Higher Education (THE) World University Rankings (2020)
- Ranked 164th in the QS World University Rankings (2019)
- 20th in the UK for research power with 7 subjects ranked in the top 10 in the UK's Research Excellence Framework (both Chemistry and Computer Science ranked #1 in the UK for 4* & 3* research THE 2014).

Benefits of studying in the UK

- Develop communication skills, flexibility, adaptability, empathy and a global outlook – attributes which are highly sought by employers
- No need for an IELTS when applying for postgraduate study in the UK
- Opportunity to explore the UK and Europe.

Graduate outcomes for 2+2ers

- 76% of all 2+2 graduates in Liverpool achieved a 1st or 2:1 upon graduation
- 80% of 2+2 graduates in Liverpool who were in further study after graduating from the University of Liverpool were enrolled in QS Top 100 Universities (DHLE 2020, University of Liverpool analysis of unpublished data)
- Ranked 1st in the Russell Group for graduate employability (DLHE 2016/17).

Support services

Happy students are successful students. In order to help you achieve your ambitions, the University of Liverpool has a wide range of services to support you throughout your studies, including:

- XJTLU student adviser
- Academic advisers
- International advice and guidance
- English Language Centre
- Careers Studio
- Student services (Health, Counselling, etc)
- Guild of Students
- Sports centre
- Libraries
- On-campus accommodation.

The university offers great facilities, the 24-hour library, informational Career Centre and the gym. The campus is a very friendly, passionate place with a good balance of studying and socialising.

Siqi Li
2+2 alumna in Communication and Media

Planning at Liverpool

Liverpool was the world's first Planning School, founded in 1909, and we remain one of the most innovative and forward-looking. Reconciling growing pressures for development with the need to protect the environment and achieve greater social equity requires the interdisciplinary skills of planners. Planning at Liverpool will introduce you to the grand challenges society faces in the 21st century and will enable you to be part of the solution to meet these challenges head-on.

Set the foundations for your career in our world-leading planning school

All of our programmes benefit from the expertise of our academic staff who are leading global discussions in spatial planning, planning economics, marine planning, and environmental assessment and management. This means you will benefit from research-led teaching, bringing the latest planning theory and practice into the classroom. Within the Department we also edit two respected peer-reviewed academic journals (Town Planning Review and Impact Assessment and Project Appraisal) and host the Centre for Sustainable and Resilient Cities and the Environmental Assessment and Management Centre. All of this means you can be confident that your learning is at the forefront of the discipline.

Take inspiration from planning in practice in our dynamic city location

The Liverpool city region offers excellent opportunities to study planning in practice and the application of cutting-edge practices in tackling the challenges of urban regeneration and environmental management. All our programmes are interdisciplinary to maximise research links with the departments of Geography, Sociology and Environmental Science.

Take advantage of our excellent employer links

We also work with the Town and Country Planning Association (TCPA) and have close working relationships with local planning authorities, planning consultancies, developers and a wide range of other organisations throughout the North West, nationally and internationally. These links ensure that we tailor our programmes to the needs of the profession, and you are able to develop your employability and build relationships that will be extremely valuable in your future career.

Explore planning practice around the world and in the UK

Our internationally focused curriculum brings together theory and practice from around the world. Field classes are also an integral part of each year and enable you to gain first-hand experience of planning issues and policies in the UK and internationally.

Languages at Liverpool

Studying a programme within Planning allows you to study a language as an extra-curricular course, on top of your degree. See **liverpool.ac.uk/languages** for more information.

How you learn

Planning education has an important vocational focus and in Liverpool we consider a real-world connection to be extremely important. Our students gain a broad understanding of planning, from the ways in which towns and cities have evolved and are being reshaped to meet the challenges of the 21st century to the effects of planning on the environment and planning's role in urban regeneration.

To do this we have designed varied programmes of study with a range of teaching styles. You will 'learn by doing' through place-based projects and field classes as well as be introduced to real-life examples from around the world.

Our programmes also include specialised training in geographic information systems, mapping and urban design. Together these approaches ensure that you gain valuable transferable skills whilst studying with us.

Please note: A number of the School's degree programmes involve laboratory and field work. The field work is carried out in various locations, ranging from inner city to coastal and mountainous environments. For students with disabilities reasonable adjustments will be considered to address barriers to access.

STAFF PROFILE

Professor Douglas Mair

Professor Mair is a professor of glaciology and the Head of the School of Environmental Sciences. He undertook his PhD at the University of Cambridge investigating the influence of subglacial hydrology on the dynamics of a temperate valley glacier. He continued studying glacier ice dynamics and basal processes to obtain a better understanding of the basal and internal processes which influence glacier motion over seasonal and annual periods, but particularly during early melt season "spring events".

In addition to publishing in prestigious journals, Professor Mair teaches a variety of modules within Environmental Science.

Good to know

95%

of Geography and Planning students are employed or in further study within six months of graduating (DLHE 2016/17).

We offer accredited programmes.

We offer the chance to study a language.

IEMA** Transforming the world to sustainability

** IEMA accreditation options vary by programme.

Environmental Science at Liverpool

Understanding the complex interactions between the physical and biological environment is essential if we are to find solutions to the increasing global environmental challenges that face us today.

This practical degree, focusing on real-world issues, will prepare you to play your part in tackling those challenges.

Unrivalled diversity and choice

Studying Environmental Science at Liverpool will provide you with an in-depth understanding of both naturally and human induced environmental issues impacting the world today . The key strength of our programme is the unique breadth of staff expertise in the School of Environmental Sciences.

This allows you to choose from an extensive range of modules delivered by experts in their field using state-of-the-art equipment and techniques.

Students' choices are guided by one of five 'module pathways' themed around:

- Digital Environments
- Ecology
- Oceans
- Society, Sustainability and the Environment
- Earth and Surface Processes

These pathways ensure that our students graduate with the specialist skills and knowledge needed for their future careers, while also having the benefit of a wide-ranging education in environmental science.

Award-winning teaching facilities

You will learn through a combination of individual and group work, including practicals in our purpose built £23 million Central Teaching Laboratories. Laboratory practicals provide a firm grounding in the latest techniques and technologies in environmental science.

Emphasis on fieldwork

From your first week to your final year, field classes are an integral part of your learning, giving you a chance to experience the environments that you are learning about and practice using industry-standard sampling and surveying approaches. In addition to making the most of Liverpool's coastal location, you will also have the opportunity to undertake fieldwork in thePeak District as well as options in locations such as Portugal, Iceland and California.

Future Ready

Focussing on applied skills that are relevant to careers in our sector, you will gain expertise in monitoring, modelling and managing the environment. This will help you to get your first graduate job or move on to further study. Environmental Science **F750**, is accredited by the Institution of Environmental Sciences, recognising the high quality of our programme.

> *University of Liverpool provides an absolutely rich teaching and learning environment in terms of well-equipped laboratories and advanced facilities which are provided for students to use. The modules settings are quite flexible and I could choose according to my interests.*
>
> **Yijin Guo, 2+2 alumnus in Environmental Science**

Fieldwork requirements

A number of the School's degree programmes involve laboratory and field work. The field work is carried out in various locations, ranging from inner city to coastal and mountainous environments. For students with disabilities reasonable adjustments will be considered to address barriers to access.

Languages at Liverpool

Studying a programme within Environmental Science allows you to study a language as an extra-curricular course, on top of your degree. See **liverpool.ac.uk/ languages** for more information.

How you learn

Our degree focuses on applied skills that are relevant to careers in environmental science, providing you with expertise in monitoring, modelling and managing the environment. Lectures, fieldwork and laboratory work are assessed through a wide range of different assessment approaches, allowing you to achieve your potential. These include "real world" assessments (eg writing of industry style briefing notes), oral presentations and report writing preparing you with experience of skills required in the workplace.

Each student is assigned a member of academic staff as their adviser, to provide both pastoral care and develop job application skills such as CV and cover letter writing, and conducting mock interviews.

To help students meet the intellectual and practical challenges of studying environmental science, we use a student-centred approach, involving a range of learning experiences. These include:

- An emphasis on active, problem-based learning (learning by doing)
- Small tutorial groups (typically 6-8 students) through all years.
- Supervised independent and group project work, including a final year independent research-based dissertation supervised by a dedicated expert in the field.

Good to know

95%

of students graduated with a First Class or 2:1 degree (2016).

100%

of our graduates are either employed or in full time study (Unistats 2017).

Programme accredited by the Institution of Environmental Sciences.

We offer the chance to study a language.

Invest in your future

Our Institute of Environmental Management and Assessment (IEMA) and Institution of Environmental Sciences (IES) accredited programmes ensure that you are fully qualified to enter these dynamic professions on graduation.

Our programmes are varied, interdisciplinary, and have strong practical focus linked to industry, meaning that Liverpool graduates enter a wide range of careers in the public, private and voluntary sectors.

We have graduates who are working in the UK and across the world. Many of our planning graduates have senior positions in private practice, central and local government, and academic institutions, and 11 former Presidents of the Royal Town Planning Institute (RTPI) were graduates from the Department.

Our Environmental Science graduates are employed in a variety of areas both within and outside the environmental sector, including:

- Conservation management
- Geotechnical surveying
- Environmental consultancy
- Accountancy
- Education
- Environmental research.

We take the employability of our graduates seriously and have taken care to build into our degree programmes the development of transferable skills as well as making sure our graduates develop the necessary professional skills to begin their careers.

My favorite memory of my University of Liverpool course is the field trips to both the Peak District and Santa Cruz.

Xi Mi, 2+2 alumnus in Environmental Science

Work experience opportunities

Throughout our undergraduate programmes you are provided with opportunities to engage and learn from practitioners. We make use of local and international expertise to lead project work and field trips in order to aid your career decision-making.

You are also encouraged to undertake internships or placements. Staff can help this process using their extensive network of contacts in practice.

Environmental science students have the opportunity to conduct a work-based dissertation in their final year, working with a local business on an applied project.

Summer Abroad

Once you arrive at the University you'll have the opportunity to apply for one of our exciting Summer Abroad programmes. Summer Abroad allows you to visit a new country whilst undertaking worthwhile academic study. Destinations include Australia, France and Canada. Find out more at: **liverpool.ac.uk/study-abroad/outbound/what-is-study-abroad/summer/.**

Articulation routes

Environment and Planning BA (Hons)

This degree programme gives you a full understanding of the primary environmental challenges of the 21st century and provides you with the skills base to help address them.

You'll gain a rounded understanding of the factors and forces that are shaping the environment and the role that planning can play in reconciling competing and conflicting interests. Attention is focused on approaches to the protection and enhancement of natural and built environments in a rapidly changing world. An interdisciplinary approach to study provides learning opportunities that draw upon the expertise of academics in Planning as well as academics in the departments of Geography, Sociology and Architecture. This programme provides accreditation from the Institute of Environmental Management and Assessment (IEMA).

This programme is designed as part of a suite of strongly related programmes in planning, and core modules

Programme in detail

In Year Two, you begin to develop your specialism in spatial planning for environmental change through the core module **Environmental sustainability (ENVS218)**. This module introduces you to the interactions of environmental policy and practice, and the management of environmental issues. The forces and factors that are influencing the way in which towns and cities are evolving are also examined in further core modules.

You also continue to develop critical thinking and communication skills to enable you to analyse material and communicate ideas effectively. Project work also enables you to develop an awareness of the methodological and spatial design issues that arise in the development of planning schemes. The residential field class undertaken in Year Two is part of the module **Rural planning field class** and takes you into the field to examine environmental, social and economic issues in a rural setting.

Year Three provides you with more focused study of your specialism in order to gain greater knowledge and expertise of environmental planning. You are required to take two core modules, one dissertation module (ENVS302 or ENVS346) and two optional specialism modules. You can then choose a further two or three modules depending on your dissertation module from a range of optional modules, this could include an international field class offering the opportunity to explore planning in a new context.

Key modules

Year Two

Students will take the core modules, **ENVS205, ENVS210, ENVS218, ENVS230, ENVS256, ENVS279** and **ENVS289** and select one choice from the optional modules.

Year Three

Students will take the core modules **ENVS329, ENVS360** and either **ENVS302** or **ENVS346.** Students will also select two additional optional modules that relate to their specialism, Spatial planning with environmental change.

See pages 10-16 for module descriptions.

Urban Planning BA (Hons)

This degree programme gives you a full understanding of the primary urban challenges of the 21st century and provides you with the skills base to help address them. You'll gain a rounded understanding of the factors and forces that are shaping the urban environment, the role that planning can play in developing and renewing urban areas, and reconciling competing and conflicting interests. Attention is focused on approaches to understanding and planning for the urban environment in a rapidly changing world. An interdisciplinary approach to study provides learning opportunities that draw upon the expertise of academics in Planning as well as academics in the departments of Geography, Sociology and Architecture.

This programme is designed as part of a suite of strongly related programmes in Planning, and core modules.

Programme in detail

In Year Two you begin to develop your specialism in 'Transforming Cities and Regions' through the compulsory module **Cities and regions (ENVS230)**. This module introduces you to the economic, social and environmental causes of urban and regional change. Environmental sustainability and its connections with patterns of human development are also examined in further core modules. You also continue to develop critical thinking and communication skills to enable you to analyse material and communicate ideas effectively. Project work also enables you to develop an awareness of the methodological and spatial design issues that arise in the development of planning schemes. The residential field class undertaken in Year Two is part of the module **Rural planning field class (ENVS289)** and takes you into the field to examine environmental, social and economic issues in a rural setting.

Year Three provides you with a more focused study of your specialism in order to gain greater knowledge and expertise of urban planning. You are required to take two core modules, one dissertation module (ENVS302 or ENVS346) and two optional specialism modules. You can then choose a further two or three modules depending on your dissertation module from a range of optional modules, this could include an international field class offering the opportunity to explore planning in a new context.

Key modules

Year Two

Students will take the core modules **ENVS205, ENVS210, ENVS218, ENVS230, ENVS256, ENVS279** and **ENVS289** and select one choice from the optional modules.

Year Three

Students will take cores modules, **ENVS336, ENVS384** and either **ENVS302** or **ENVS346.** Students will also select two additional optional modules that relate to their specialism 'Transforming Cities and Regions' and the remaining modules from the optional modules list.

See pages 10-16 for module descriptions.

Environmental Science BSc (Hons)

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 students are encouraged to choose optional modules from different pathways, and include laboratory and field based practical work, environmental management, geospatial analysis and introductions to coding and environmental modelling. Together, these provide key knowledge and skills for a career in environmental science.

Key modules

Year Two

Students will undertake the following core modules and a selection of optional modules detailed below.

Core modules

- Environmental science field class (ENVS285)
- Research skills (Geography and Environmental Science) (ENVS203)
- Statistics for environmental scientists (ENVS222).

Two of your modules will be from your chosen module pathway. You choose your remaining modules from recommended pathway modules. Subject to timetabling you can select modules from other programme pathways.

Digital environments pathway

Focus on developing coding and data analysis skills for those with no previous experience.

Year Two core

- Key skills for environmental data analysis (ENVS202)
- Understanding Marine and Terrestrial Spatial Ecology using GIS (ENVS255).

Ecology pathway

Focus on ecology, conservation and the environment (LIFE120 is compulsory).

Year Two core

- Ecology practical skills (ENVS261)
- Population and community ecology (LIFE214).
- Biodiversity practical skills (LIFE233) or Bird ecology, identification and conservation (LIFE243).

Oceans pathway

Focus on life and physical processes in the seas and oceans.

Year Two core

- Key skills for environmental data analysis (ENVS202)
- Life in dynamic ocean (ENVS265).

Society, sustainability and the environment pathway

Focus on human impacts and management of the environment.

Year Two core

- Environmental sustainability (ENVS218)
- Geographic information systems for human geography (ENVS257).

Earth and surface processes pathway

Focus on human impacts and management of the environment.

Year Two core (choose two from):

- Catchment hydrology (ENVS217)
- Geomorphology: ice, sea and air (ENVS252)

Other Year Three optional modules

In addition to the modules outside of your chosen pathway, students can also choose from:

- An introduction to environmental history (ENVS223)
- Changing environments (ENVS214)
- Climatology (ENVS231)
- Marine ecology and resource exploitation (ENVS251)
- Marine pollution (ENVS232)
- Soils, slopes and the environment (ENVS238).

Year Three

Your final year dissertation is the only compulsory module, where you conduct a piece of original research. Two of your modules will be from the module pathway you chose in second year. Dependent on your programme pathway you have the option to take one of our overseas field courses, currently in California, Iceland and the Algarve.

You'll also choose optional modules.

Core modules

- Geography dissertation (ENVS321) or Geography work-based dissertation (ENVS323).

Digital environments pathway

Year Three core

- Geographic data science (ENVS363)
- Simulating Environmental Systems (ENVS397).

Ecology pathway

Year Three core

- Advanced topics in ecology (LIFE337)
- Conservation biology (LIFE326).

Oceans pathway

Year Three core

- Coastal environments (ENVS376)
- Contemporary issues in ocean and climate sciences (ENVS366).

Society, sustainability and the environment pathway

Year Three core (choose two from):

- Climate change – a critical review (ENVS389)
- Human-environmental interactions (ENVS315)
- Natural hazards and society (ENVS319).

Earth and surface processes pathway

Year Three core (choose two from):

- Coastal environments (ENVS376)
- Fluvial environments (ENVS372).

Other Year Three optional modules

In addition to the modules outside of your chosen pathway, you can also choose from:

- Marine ecology: theory and applications (ENVS383)
- Politics of the environment (ENVS325)
- Science communication (ENVS393) (Limited availability)
- Ocean Dynamics (ENVS332)
- Surviving the marine environment (ENVS310).

See pages 10-16 for module descriptions.

Core and selected optional modules overview Year Two

Module title	EP	UP	ES	Semester	Credit	Module description
An introduction to environmental history ENVS223	O	O	O	1	15	Introduces students to the rapidly developing field of environmental history and forms a basis for more advanced environmental courses in Year Three.
Biodiversity practical skills LIFE233			O	1	7.5	Develops your ability to acquire, present, critically evaluate and interpret qualitative and quantitative data related to biological specimens.
Bird Ecology, Identification and Conservation LIFE243			O	1	7.5	This field based module aims to provide experience in many current techniques and methods used to identify, monitor and manage birds in the UK.
Catchment Hydrology ENVS217			O	1	15	Investigates the main hydrological processes operating in drainage catchments in terms of their measurement, operation and controlling factors.
Changing Environments ENVS214			O	1	15	Provides a critical insight into the global changes currently impacting the Earth over decades to millennial timescales.
Cities and regions ENVS230	C	C		1	15	Equips students with an understanding of the nature of urban and regional change and the policy issues that it presents.
Climatology ENVS231			O	2	15	Provides knowledge and understanding across a number of areas of meteorology and weather, covering physical processes.
Comparing welfare states SOCI207	O	O		2	15	Explains Esping-Andersen's typology of welfare regimes, "the three worlds of welfare capitalism." Compares and contrasts welfare settlements in liberal, conservative and social democratic regimes with reference to the examples of the US, Germany and Sweden.
Ecology practical skills ENVS261			O	2	7.5	This practical module provides you with an opportunity to experience and gain familiarity with a range of scientific, practical techniques that are used to study the terrestrial environment and its biota.
Environmental science field class ENVS285			C	2	15	Provides experience in designing, executing, analysing and presenting (orally and in a report) a research project in the environmental sciences.
Environmental sustainability ENVS218	C	C	O	1	15	Students will be introduced to current thinking in relation to sustainable development and locate environmental sustainability within this broader framework of ideas. They will also develop an understanding of the role of the public and private sectors in promoting environmentally sustainable development in an urban setting.
Exploring the social world ENVS225	O	O		1	15	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.
Field class (rural planning) ENVS289	C	C		2	15	Provides an introduction and understanding of the dynamics change in the countryside and provides an examination of the role of key factors and agencies. The module will examine and critically evaluate policy initiatives for both the human and natural environments and interrelationships and tensions between the two.
Geographic information systems for Human Geography ENVS257			O	2	15	Develops your understanding and practical ability to apply GIS in the handling and analysis of spatial data in a human geography context.
Geomorphology: Ice, Sea and Air ENVS252			O	2	15	You will develop an understanding of major geomorphic systems and how they create terrestrial landforms.
GIS for planners ENVS279	C	C		2	15	Provides core competence in basic GIS with a focus on applications of these techniques in the applied context of planning.
Key Skills for Environmental Data Analysis ENVS202			O	1	15	Develops knowledge, training and skills in manipulating, plotting and interpreting environmental data sets using the industry-standard Matlab software.
Marine Ecophysiology, Ecology and Exploitation ENVS251			O	2	15	Provides you with essential background in marine ecology, ecophysiology and resource exploitation required for study at higher levels.
Marine Pollution ENVS232			O	1	15	This module will focus on the current state of our seas in relation to the various stressors, what are the causes and how do they affect the marine system.
Oceanography, Plankton and Climate ENVS245			C			In this module we take you from the micron scales of the tiniest plankton up to the scale of the open ocean to illustrate the fundamental links between the ocean's physical and biogeochemical processes, plankton communities and Earth's climate.

Please note: modules are illustrative only and subject to change.

Continued over...

Key: **C**: Core **O**: Selected optional modules

Module key: **EP** - Environment and Planning; **UP** - Urban Planning; **ES** - Environmental Science

Core and selected optional modules overview Year Two (continued)

Module title	EP	UP	ES	Semester	Credit	Module description
People and place (research skills) ENVS205	C	C		1 and 2	15	Develops students understanding of the relationships between people and places.
Political economies of globalisation ENVS264	O	O		2	15	Introduces students to the study of globalisation. It will be of interest to those who wish to learn how capitalism is transformed, and what challenges this transformation entails for the functioning of national and local economies, states and societies.
Population and Community Ecology LIFE214			O	2	15	Introduces the concepts and principles underlying the dynamic interactions between species within communities and populations.
Population and societies ENVS221	O	O		1	15	Provides a general introduction to the field of population geography, in which 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.
Research skills ENVS203			C	1 and 2	15	Provides you with training in research methods and analysis techniques.
Soils, Slopes and the Environment ENVS238			O	2	15	You will gain an understanding of the fundamental properties and characteristics of slopes and soils.
Statistics for environmental scientists ENVS222			C	2	15	Provides training in statistics for environmental scientists.
Strategic plan making ENVS210	C	C		1	15	This module provides an introduction to the methods and techniques that are used in the preparation and implementation of strategic plans and policies.
Urban morphology and placemaking ENVS256	C	C		2	15	This module 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.
Urban sociology SOCI236	O	O		2	15	Provides an introduction to classical and contemporary social scientific approaches to the study of urban life.
Understanding Marine and Terrestrial Spatial Ecology using GIS ENVS255			C	2	15	This module aims to introduce students to the nature, operation and application of Geographical Information Systems (GIS) relevant to ecologists and marine biologists.

Please note: modules are illustrative only and subject to change.

Key: C: Core **O**: Selected optional modules

Core and selected optional modules overview Year Three

Module title	EP	UP	ES	Semester	Credit	Module description
Advanced Topics in Ecology LIFE337			O	2	15	Examines a range of topics in contemporary ecology including population, macro, disease and community ecology.
Building better worlds ENVS387		O		1	15	This module surveys how geographers and others have theorised protest and other strategies for change through a range of theoretical approaches and case studies.
Civic Design dissertation ENVS302	C	C		1 and 2	30	Develop and practice 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.
Climate change – a critical review ENVS389	O	O	O	2	15	Provides students with the knowledge to evaluate 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.
Coastal environments: spatial and temporal change ENVS376			O	1	15	Examines the response of physical processes and coastal environments to changes in sea level and climate.
Contemporary issues in ocean and climate sciences ENVS366			O	2	15	Discussions and engagement with current hot research topic areas within marine sciences.
Contemporary population dynamics ENVS311	O	O		2	15	This course explores contemporary population dynamics across Europe. Students will explore fertility, mortality and migration dynamics across selected countries in Europe; review explanations for population change; and examine the policy challenges posed by such population change.
Culture, economy and cities SOCI327		O		1	15	Considers the links between the rise of urban forms of living, economic change and the place of 'culture' within society.
Dissertation or work-based dissertation ENVS321 / ENVS323			C	1	15	Provides you with the opportunity to undertake an independent research project in a topic of your choosing. For those choosing a work-based dissertation, you will work collaboratively with an external organisation on a mutually agreed research topic.
Environmental assessment of policies, plans, programmes and projects ENVS329	C			1	15	This module explores the theory and practice of environmental assessment (both, EIA and SEA) of various policies, plans, programmes and projects, and discusses the impacts that it can have on development and the monitoring/management of investment.

Module key: EP - Environment and Planning; **UP** - Urban Planning; **ES** - Environmental Science

Core and selected optional modules overview Year Three (continued)

Module title	EP	UP	ES	Semester	Credit	Module description
Environmental planning and management project ENVS360	C			2	15	This module is based upon the execution of a mini-project that is carried out by small groups of students,The projects aim to develop skills of analysis, interpretation and policy prescription.
Field class (various locations) ENVS352/330/380	O	O	O	2	30	To design and carry out an independent field based project.
Fluvial environments ENVS372			O	2	15	Develops your understanding of functioning and tability/instability characteristics of fluvial geomorphic systems, in both humid and arid regions over timescales from the Pleistocene to the present day.
Geographic data science ENVS363	O	O	O	2	15	Advances knowledge and core competences in Geographic Data Science (GDS) focusing on real world applications in a geographical and applied context.
Green infrastructure planning ENVS345	O	O		2	15	Introduces the field of green infrastructure and green space planning by addressing its principles, values and utility within urban planning. Drawing on a wide range of case study material the module examines the influence of landscape ecology and the politics of planning on urban development to question how, where and why we use green infrastructure to meet quality of life and place agendas.
Human-environmental interactions ENVS315			O	1	15	Demonstrates and reviews how successful management of modern and future landscapes often requires a long time perspective.
Issues in planning research ENVS346	C	C		1	15	This module 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.
Marine ecology: theory and applications ENVS383			O	2	15	Develops the connections between ecological theory and the management of marine communities and ecosystems.
Marine planning, theory and practice ENVS341	O			1	15	Students are introduced to the theoretical, practical and critical background of marine planning as it is developing internationally.

Module title	EP	UP	ES	Semester	Credit	Module description
Natural hazards and society ENVS319			O	1	15	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.
Ocean dynamics ENVS332			O	1	15	Enables you to gain a high level understanding of ocean and atmospheric dynamics and background state of the atmosphere and ocean.
Planning and property development ENVS369	O	O		1	15	This module is concerned with the processes through which the built environment is used, produced, managed and renewed. Its objectives are to introduce methods of property valuation, property market dynamics and the processes of urban and rural development (including regeneration, estate management and conservation).
Planning law and governance ENVS348	O	O		1	15	This module extends students' 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.
Politics of the environment ENVS325	O	O	O	1	15	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).
Race, community and identity SOCI346		O		2	15	Explores the impact of colonialism on patterns of migration to Britain in the post war period and the creation of greater ethnic diversity. Examines the changing nature of racism as an ideology by exploring and contextualising scientific and institutional forms of racisms and 'newer' manifestations through Islamophobia and the conflictual relationship between the state and minority ethnic communities.
Science communication ENVS393			O	1 and 2	15	Provides key transferable skills to undergraduates including communication, presentation, practical classroom skills and team working.

Please note: modules are illustrative only and subject to change.

Continued over...

Key: **C**: Core **O**: Selected optional modules

Module key: **EP** - Environment and Planning; **UP** - Urban Planning; **ES** - Environmental Science

Core and selected optional modules overview Year Three (continued)

Module title	EP	UP	ES	Semester	Credit	Module description
Social and spatial inequalities ENVS357	O	O		2	15	Students will explore evidence for, and interpretations of social and spatial inequalities, and gain an understanding of the geographies of social inequalities, including why inequalities are not equal between places, and what the implications of this unevenness are for individuals and communities.
Social control, order and the city SOCI310	O	O		2	15	Explores the main theoretical arguments and debates around social control and surveillance practices. Examines the relationship between the urban state power and the development of surveillance practices and social control.
Simulating Environmental Systems ENVS397			O	2	15	This module aims to train students in the concepts and techniques required to construct and use numerical forward models of Earth surface systems using high-level programming languages such as Matlab and Python.
Surviving the marine environment: adaptation, behaviour and conservation ENVS310			O	1	15	Develops a broad understanding of contemporary theory in behavioural ecology, evolutionary biology and ecophysiology, with special reference to the marine environment.
Urban and regional regeneration project ENVS384		C		2	15	This module draws on the theoretical underpinnings of urban and regional regeneration and provides students with an opportunity 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 a specific aspect of urban regeneration.
Urban design project ENVS359	O	O		2	15	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.
Urban design studies ENVS312	O	O		1	15	This module explores key aspects of a sustainable, people- oriented environment, and gain an in-depth knowledge through lectures and hands-on design exercises on topics including master planning, public realm and open space design.

Please note: modules are illustrative only and subject to change.

Key: **C**: Core **O**: Selected optional modules **Module key:** **EP** - Environment and Planning; **UP** - Urban Planning; **ES** - Environmental Science

Student experience, support and next steps

Careers and Employability

The University's Careers and Employability Centre, offers career development sessions, including drop-in sessions and a rehearsal `assessment centre' experience to aid applications for graduate jobs and internships.

Environmental Science

Specific careers and employability support is provided as part of ENVS203 which introduces and develops skills associated with geographical and environmental science research.

Planning

As part of ENVS205, you will be introduced to skills associated with planning practice and will develop your skill set. Through classroom sessions and assessments you will learn more about applying for jobs and internships, and develop your reading and writing skills.

School support

All students are assigned a named academic member of staff as their Academic Advisor. This member of staff acts as your first point of contact for any academic, personal or welfare issues that may arise. They are here to help you fulfill your academic potential during the course of your studies.

The Student Experience Team provides support and advice to students and serve as the main administrative point of contact between you and the School. Our dedicated team of administrators are the first port of call for all student enquiries and provides advice and guidance for any students experiencing difficulties. The Learning and Teaching Support Advisors work closely with Senior Academic Tutors and Academic Advisors to ensure that students who are struggling with personal or health problems, or with their academic studies, receive appropriate and timely support.

In-sessional English support

The English Language Centre also provides an extensive, vibrant and innovative programme of English language support for students who are already studying at the University but whose first language is not English. Classes are free of charge, taught by highly-experienced, approachable English tutors who are fully committed to helping you develop your language skills and provided throughout the academic year.

Academic skills development with KnowHow

KnowHow provides a range of resources from making the most out of group work to improving your academic writing skills. KnowHow offers a wide range of academic skills materials and workshops to help you gain the most from your studies. Most of our workshops and events are held in the KnowHow space in the Sydney Jones Library, and many are available online alongside training materials from Linkedin Learning.

Next steps

Prior to your arrival, you will be able to access your Welcome Week Timetable via the School website **(liverpool.ac.uk/environmental-sciences/welcome).** Welcome Week is a full week of events which includes introduction to your programme, a guided session on module choice with your programme director, campus and city tours, a school welcome and opportunities to meet your cohort ahead of teaching.

A module guidance session will give you the opportunity to talk with your programme director about your programme and module selection. Programme structures are available for you to access via the School website ahead of your arrival in Liverpool. You will then be asked to register for your modules on Liverpool Life.

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**

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