

GEOGRAPHY BSc
GEOGRAPHY with International Year BSc

Royal
Geographical
Society
with IBG

Accredited
Programme

Geography

September 2024 entry

What makes Geography at Worcester special?

Study abroad | 4

For a semester or a whole year.

Fieldwork in most modules | 6

Apply knowledge, develop specialist and transferable skills.

Access to the latest technology | 10

Enjoy unparalleled access to the latest technology. Learn how to fly drones and process the data they collect.

Employability | 20

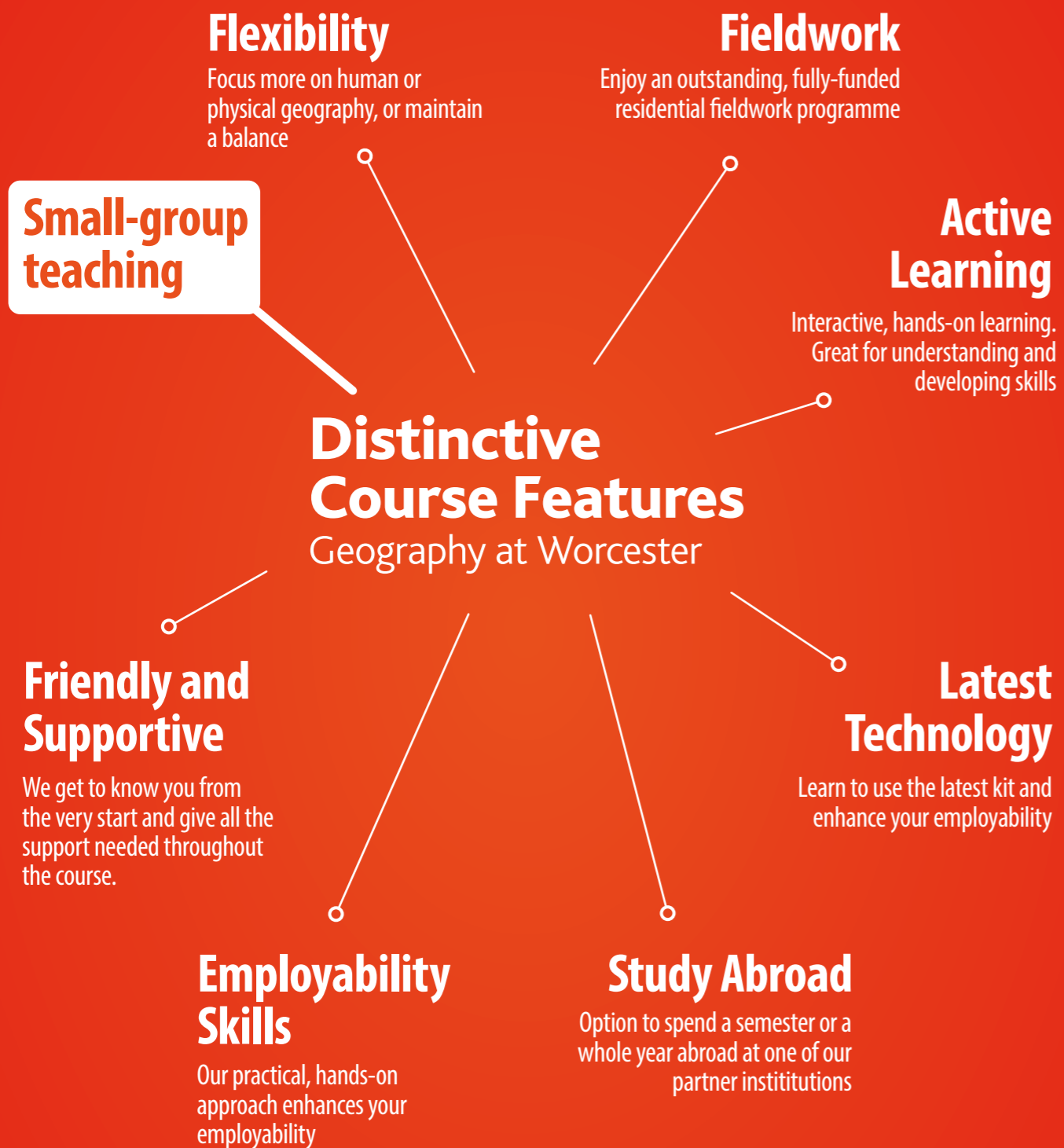
Give yourself an edge in your career with our practical, hands-on course, and close links with employers.

National Student Survey 2023

Ranked 1st nationally for Academic Support and Learning Resources (out of 21 courses)



University
of Worcester



Welcome

If you want to make a difference to the world and help address the key environmental, economic, and social challenges of our time, BSc Geography at Worcester is the right course for you.

Studying topics such as climate change, hazards, migration, river management, and sustainable development, our students are immersed in practical, hands-on learning from day one, and graduate with the skills employers demand.

At Worcester, smaller class sizes mean more interactivity, more support, and a real sense of belonging. In other words, you are not just another face in the crowd. This is reflected in the National Student Survey (2023), which ranks us first (out of 21 courses) for academic support and learning resources.

Please visit our website for the latest course information and Open Day details. We look forward to welcoming you to Worcester!

Dr Cheryl Jones

Head of Geography and Environment,
School of Science and the Environment
c.jones@worc.ac.uk

Contents

- Our courses **2**
- Study abroad **4**
- Fieldwork **6**
- Access the latest technology **10**
- Authentic assessment **12**
- Modules **14**
- Sustainability **18**
- Employability **20**
- Activities for A-level Geography **22**
- Meet the team **23**

Did you know?

No two Geography courses are the same. Course content and approaches to teaching and assessment vary considerably. When choosing where to study, it's important to look at the details to check that the course is a good fit for you.



Our courses

Geography degrees are not all the same. Our small class sizes mean more interactivity, more support, and a real sense of belonging. At Worcester, you are not just another face in the crowd.

Our courses

BSc (Hons) Geography
(3 years)

BSc (Hons) Geography with
International Year Abroad
(4 years)

Distinctive features

- ✓ Small-group teaching in a friendly, supportive atmosphere
- ✓ Highly interactive, with access to the latest technology
- ✓ Local and regional fieldwork in most modules
- ✓ Fully funded residential field courses in all three years
- ✓ Option to spend a semester or year abroad
- ✓ A strong employability emphasis throughout
- ✓ Option to focus more on human or physical geography

National Student Survey 2023

Ranked 1st nationally for Academic Support and Learning Resources (out of 21 courses)



First Year

SEM 1	GEOG1501 Geographical Fieldwork	GEOG1510 Earth Surface Processes and Landforms	GEOG1512 People and Place	OPTION
SEM 2	GEOG1502 Skills for Geographers			OPTION
Optional Modules:		GEOG1511 Global Risks GEOG1513 Sustainable Futures + optional modules offered by the University		

Second Year

SEM 1	GEOG2500 Residential Field Course*	GEOG2510 Research Design and Project Management*	GEOG2511 Environmental Hazards and Disaster Management	OPTION
SEM 2	OPTION			OPTION
Optional Modules:		GEOG2520 Mountain Geomorphology GEOG2521 Meteorology and Climate GEOG2522 River Catchment Dynamics GEOG2530 Social and Cultural Geography GEOG2531 Rural Geography	GEOG2532 Development and Change in the Global South GEOG2533 Sustainable Cities GEOG2540 Climate Crisis + optional modules offered by the University	

International Year (for those on the 4-year course)

GEOG3000 International Year Abroad*			
--	--	--	--

Final Year

SEM 1	GEOG3002 Dissertation*	GEOG3510 Advanced Residential Fieldwork*	OPTION	OPTION
SEM 2		GEOG3512 Professional Dev. and Career Planning	OPTION	OPTION
Optional Modules:		GEOG3520 River Conservation & Management GEOG3521 Engineering Geomorphology GEOG3522 Earth Observation & Environmental Change GEOG3523 Glaciers and Glaciation GEOG3530 Sustainable Dev. in Sub-Saharan Africa	GEOG3531 Geography of Health and Well-Being GEOG3532 Rural Planning for Conservation GEOG3533 Planning Space. Making Place GEOG3534 Cultural and Heritage Tourism GEOG3540 Our Fragile Planet: Biogeography	

*Opportunity to specialise in human or physical geography within these modules. Please see our website for the most up-to-date information on our modules.

Study abroad

Study abroad for a semester or a whole year in one of our partner institutions. Destinations include Europe, Asia, Australia, New Zealand, USA and Canada.

Benefits

- ✓ Explore a new country and experience different cultures
- ✓ Broaden your academic horizons and gain a new perspective on your studies
- ✓ Improve your foreign language skills or learn a new language
- ✓ Improve your career prospects by gaining new skills and prepare for the global job market
- ✓ Enhance your CV!

At Worcester

- ✓ Spend a semester abroad in second year or spend a whole year abroad (year 3 of a 4-year course)
- ✓ Study with partner institutions in Europe, USA, Canada, Japan, Hong Kong, South Korea, Australia, or New Zealand
- ✓ No additional tuition fees for semester abroad. For the year abroad, the tuition fee is just 15% of that year's charge.
- ✓ The semester abroad is assessed on a pass/fail basis and so grades obtained do not count towards your final degree classification.
- ✓ The Third Year Abroad is an additional year and so the credit you gain from our partner university will not count towards your Worcester degree. However, it will appear on your transcript and be viewed positively by potential employers.



I experienced so much to be grateful for, and many things I will never forget. I made some amazing friends with whom I'm still in contact.

Constantin Back,
University of Valencia (2019/20)

Fieldwork

A key feature that sets our Geography degree apart from others is the way in which fieldwork is integrated throughout the programme. From local fieldwork in most modules to fully funded residential field courses in all three years, our commitment to field teaching is second to none.

Benefits

- ✓ Apply theory to the complexities of the 'real world'
- ✓ Develop specialist and transferable skills
- ✓ Enhance employability
- ✓ Inspire your curiosity and learning
- ✓ Enjoyable!

At Worcester

- ✓ Local and regional fieldwork in most modules
- ✓ Three fully funded residential field courses to UK and European destinations
- ✓ Supportive small group teaching
- ✓ Highly interactive, with access to the latest technology
- ✓ Virtual reality used to support, not replace, in-person fieldwork

WORCESTER: the perfect base for fieldwork

There is easy access to a diverse range of rural and urban settings, as well as the region's many rivers. This includes the Leigh Brook, where we have our own river monitoring station.

Depending on your choice of modules, local fieldwork may take you to Birmingham, the Malverns, the Shropshire Hills, and the Cotswolds.





RESIDENTIAL FIELD COURSE VENUES

In 2022/23, we took our first-year students to the Lake District. This trip helps students find their feet, both academically and socially.

Our second-year students went to the Scottish Highlands, where they pursued a range of academic themes according to their interests (physical or human).

Final-year students had the choice of either Provence (human geography) or the Swiss Alps (physical geography).

HOW MUCH DOES IT COST?

Students starting in September 2024 will not be charged any extra to attend residential field courses.

This means your travel, accommodation, and most meals will be covered for all three residential field courses.



SMALLER IS BETTER

Compared to Geography courses at bigger universities, our smaller group sizes allow us to provide a more personal and supportive field experience.

Smaller groups also provide us with flexibility and opportunity. We can do things and go places that are simply not an option for big groups.



VIRTUAL REALITY

We use virtual reality resources developed at the University of Worcester to support—not replace—in person field experiences.

These can be used for preparation and follow-up to fieldwork, benefiting all students.



Access the latest technology

It is one thing for a department to possess the latest technology. It is quite another for this software and equipment to be routinely available to undergraduate students. But that is exactly what you will find at Worcester.

Benefits

- ✓ Experience and proficiency with the latest technology looks great on your CV!
- ✓ Enables more varied and interactive approaches to teaching and assessment

At Worcester

- ✓ Small group teaching allows a practical, hands-on approach
- ✓ Develop specialist skills in industry-standard earth observation and GIS software through applied, 'real world' exercises
- ✓ Learn how to fly drones and collect, process, and analyse data
- ✓ Excellent range of equipment and software for field and laboratory investigations

Hydrological Equipment

Electromagnetic flow meters; Acoustic Doppler Current Profiler; Sontek 2D Flowtracker; ISCO water samplers; YSI multi-parameter environmental sondes

River Monitoring Stations

Three monitoring stations on the Leigh Brook, Bow Brook and the River Salwarpe, connected through telemetry network

GPS & Surveying Equipment

Survey-grade GPS, incl. Trimble R10-2, providing mm accuracy; Trimble Geo7s; Junos; Leica Total Stations; laser distance finders; Leica Laser Scanner

Unmanned Aerial Systems (UAS)

Fleet of UAS, including rotary and fixed wing drones; the newest drones can collect very high detail aerial imagery, plus thermal imaging and LiDAR data

GIS and Earth Observation Software

Access to industry standard software (e.g. ArcGIS Pro, ArcGIS Online, QGIS, Agisoft Metashape, Google Earth Engine, Trimble eCognition)

Meteorological Equipment

Portable pocket weather stations; rain gauges; rugged temperature loggers; two Campbell weather loggers; mobile particle counters; passive samplers

Laboratory facilities

Including: FT-IR and NIR Spectrometers for micro-plastic analysis; a Spectrophotometer for nutrient analysis; an Agilent Microwave Plasma Atomic Emission Spectrometer for heavy metal analysis.

DRONES: The Worcester difference

A distinctive feature of our course is that students learn how to program and fly drones for surveying. They then use specialist software to process the imagery into high resolution surveying data.

This sets us apart from most other courses, where large classes inevitably mean fewer, if any, opportunities for practical, hands-on experience and the development of these cutting-edge, specialist skills.



Authentic assessment

We prefer 'authentic assessment' to formal exams. This means students engage in coursework assessment that reflects the knowledge, skills and experiences valued by employers in the real world.

Benefits

- ✓ Assessment variety maintains student interest and promotes engagement
- ✓ Applied, authentic assessments provide insights to career options and supports employability

At Worcester

- ✓ All coursework. No exams.
- ✓ Engaging, innovative assessment types (e.g. TV show, virtual reality)
- ✓ Many assessments are applied, designed to prepare you for your future career (e.g. consultancy reports, planning enquiry, strategy development, mock job interview)
- ✓ External examiners have long commended us on exemplary feedback provided on marked assignments, helping you to develop and reach your potential.

All coursework. No exams.

Code	Module Title	Essay	Portfolio / Logbook	Poster presentation	Presentation	Reflective writing	Report	Research / Practical write-up	Written assignment	Other
GEOG1501	Geographical Fieldwork		•	•						
GEOG1502	Skills for Geographers		•					•		
GEOG1510	Earth Surface Processes and Landforms	•		•				•		
GEOG1511	Global Risks						•		•	
GEOG1512	People and Place	•			•				•	
GEOG1513	Sustainable Futures				•	•				
GEOG2500	Geography Residential Field Course	•								
GEOG2510	Research Design and Project Management				•			•		
GEOG2511	Environmental Hazards and Disaster Management						•	•		
GEOG2520	Mountain Geomorphology			•						•
GEOG2521	Meteorology and Climate						•		•	
GEOG2522	River Catchment Dynamics							•		•
GEOG2530	Social and Cultural Geography			•		•				
GEOG2531	Rural Geography						•			
GEOG2532	Development and Change in the Global South								•	•
GEOG2533	Sustainable Cities				•		•			
GEOG2540	Climate Crisis			•		•				
GEOG3002	Dissertation							•		
GEOG3510	Advanced Residential Fieldwork		•							
GEOG3512	Professional Development and Career Planning					•				•
GEOG3520	River Conservation and Management						•			
GEOG3521	Engineering Geomorphology						•	•		
GEOG3522	Earth Observation and Environmental Change		•					•		
GEOG3523	Glaciers and Glaciation								•	•
GEOG3530	Sustainable Development in Sub-Saharan Africa				•	•				
GEOG3531	Geography of Health and Well-Being	•			•					
GEOG3532	Rural Planning for Conservation								•	
GEOG3533	Planning Space. Making Place.								•	•
GEOG3534	Cultural and Heritage Tourism				•				•	
GEOG3540	Our Fragile Planet: Biogeography						•		•	

Modules

FIRST YEAR (LEVEL 4)

Year 1 provides you with a foundation in human and physical geography and introduces you to a variety of contemporary environmental issues and practical skills.

GEOG1501 Geographical Fieldwork

- » Prepare yourself by learning how to do geography in the field, equipping yourself with the most successful approaches to the discovery of new information.
- » Become part of our Geography community by working with fellow geographers during your field discoveries.
- » Identify the field research skills you have, how they can improve and which new ones need to be mastered.

GEOG1502 Skills for Geographers

- » Develop practical 'hands-on' skills in field surveying, including using GPS and drones to collect and map geographical data.
- » Learn how to analyse, interpret and present a broad range of geographical data.
- » Gain experience in the use of Geographical Information Systems (GIS) and Earth Observation software packages.
- » Understand the importance of being able to demonstrate subject specific and transferable skills sought after by graduate employers.
- » Create a professional development portfolio and enhance your CV.

GEOG1510 Earth Surface Processes and Landforms

- » Learn about the key geomorphological processes operating at the Earth's surface.
- » Develop an understanding of the interaction between physical and human aspects of the environment.
- » Topics include global tectonics, weathering, the world's oceans, meteorology and climate, river processes, coastal geomorphology, soils, and glacial processes and landforms.
- » Explore the methods and techniques used in physical geography.

GEOG1511 Global Risks

- » Study some of the environmental and socio-economic challenges faced by society in a changing world.
- » Explore inter-related themes relevant to both human and physical geography.
- » Topics range from human transgression of planetary boundaries (e.g., climate change, biodiversity loss and the nitrogen cycle) to socio-economic issues such as human health and poverty.

GEOG1512 People and Place

- » Explore the principal themes of human geography and the main sub-disciplines within it.
- » Topics covered range from spatial inequality and development, to issues of urban and rural change, and concepts such as gender, ethnicity, consumption, nature and landscape.
- » Use a variety of human geographical approaches and methods to explore contemporary social, economic, political, and cultural issues.

GEOG1513 Sustainable Futures

- » Explore solutions and strategies for tackling core environmental and socio-economic challenges at local, regional and global scales.
- » Study and apply key concepts including vulnerability, resilience and systems thinking.
- » Participate in fieldwork and other activities that provide a deeper understanding of some of the barriers to sustainable futures.



Our courses are informed by research and current developments in the discipline, and feedback from students, external examiners and employers. Modules do therefore change periodically in the interests of keeping the course relevant and reflecting best practice. The most up-to-date information will be available to you once you have accepted a place and

registered for the course. If there are insufficient numbers of students interested in an optional module, this might not be offered, but we will advise you as soon as possible and help you choose an alternative. This is no different to the situation at any other university.

* Field course destinations are well-established but may vary

SECOND YEAR (LEVEL 5)

As you progress through your course you can start to specialise in either human or physical geography – or you could continue to study a combination of both.

GEOG2500 Geography Residential Field Course*

- » Investigate a range of geographical themes in the spectacular setting of the Cairngorms National Park in Scotland.
- » Human topics include animal geography, cultural geography, conservation and land management, sustainable communities, and urban geography.
- » Physical topics include geology and landscape, slope failure, environmental and climate change, fluvial geomorphology, and glaciation.

GEOG2510 Research Design and Project Management

- » Explore research techniques across human, physical and environmental geography.
- » Develop your research and data analysis skills through practical and fieldwork sessions.
- » Learn how to develop, manage and implement a research project, in preparation for your final year dissertation.
- » Analyse your data using R, a tool that is in very high demand in the workplace.

GEOG2511 Environmental Hazards and Disaster Management

- » Study the interconnectedness between natural hazards, people, society and the economy on a global scale.
- » Study the physical processes that control the nature and distribution of environmental hazards.
- » Learn about the social, political and cultural factors that contribute to disaster risk reduction, emergency planning and community preparedness.
- » Explore the relationship between hazard, risk, resilience and vulnerability.
- » Develop skills in hazard mapping using GIS and Earth Observation.

GEOG2520 Mountain Geomorphology

- » Learn about the varied landforms and landscapes of mountains, which are arguably the most spectacular environments on Earth.
- » See these for yourself using our VR resources, which allow you to travel instantly through space and time to locations in Switzerland, California, and upland Britain.
- » Specialist skills developed include landform and landscape interpretation, environmental data processing and analysis, and GIS.

GEOG2521 Meteorology and Climate

- » Examine the role of weather and climate in forming the physical environment.
- » Explore the underlying processes influencing global climates and meteorological phenomena at various spatial scales.
- » Topics range from large scale atmospheric circulation patterns and global climatic zones to the urban heat island effect.

GEOG2522 River Catchment Dynamics

- » Study the processes that shape river landforms and the characteristics of river flow regimes.
- » Develop skills relevant to a career in river science through learning how to measure river flow and assess water quality through fieldwork and laboratory practicals.
- » Access data remotely from the University's river monitoring stations and use GIS to design a river monitoring network.

GEOG2530 Social and Cultural Geography

- » Explore one of the most dynamic and vibrant areas of contemporary human geographical study.
- » Use exciting and innovative approaches to explore topics such as diversity, inclusion, cultural materiality, the body, performance, emotion and the 'more-than-human' geographies of human/animal interactions.
- » Examine a range of cultural media as 'texts' to explore contemporary social and cultural geographical themes.

GEOG2531 Rural Geography

- » An opportunity to study one of the most important and innovative areas of human geography over recent years
- » Discover how rural areas have changed and the contemporary issues facing the people who live there.
- » Learn through fieldwork what it is like to live and work in rural places, and gain an understanding of the future for rural economy, society, environment and cultures.

GEOG2532 Development and Change in the Global South

- » Examine the global places and spaces of under-development and inequality.
- » Explore the livelihoods of people in the developing world.
- » Discuss the ideas and impacts of development interventions.
- » Attend a development-themed public conference.

GEOG2533 Sustainable Cities

- » Learn about the dynamic and ever-changing nature of cities and the processes driving contemporary global urban change.
- » Consider the sustainability challenges resulting from urban development, including economic precarity, social inequality, carbon emissions, land and resource use and environmental vulnerability.
- » Explore how cities can be managed now, and in the future, to achieve SDG 11 and make them inclusive, safe, resilient, and sustainable.

GEOG2540 Climate Crisis

- » Examine the science underpinning the climate crisis and its impacts, from historical records through to future projections.
- » Explore how the complex interplay of science, politics and the media has shaped responses to the climate crisis.
- » Participate in a mock UN Climate Conference, developing a real sense of the challenges to achieving global consensus for climate action.

FINAL YEAR (LEVEL 6)

You can choose from a range of specialist modules that reflect your interest and career ambitions. Optional modules reflect staff interests in research, consultancy or professional practice.

GEOG3002 Dissertation

- » Undertake a research project on a topic of your own choice.
- » Critically evaluate your results in the context of previous work in the field.
- » Present your work at a student research conference.
- » Produce a dissertation to showcase your geographical skills to future employers.

GEOG3502 Professional Development and Career Planning

- » Review your own training as a geographer and reflect on the skills, knowledge and understanding gained during your degree that are held in high regard by employers.
- » Apply your geographical and personal skills within a professional context during a 40-hour work placement or 'learning from work' through an approved professional project placement.
- » Refine your skills in personal development planning and polish the personal e-portfolio you have maintained throughout your course, utilising this as the basis for a mock-job interview.

GEOG3510 Advanced Residential Fieldwork

- » Investigate a range of geographical themes in a European destination. In 2024, students will have the choice of either Provence (Human) or the Alps (Physical).
- » Human topics, based around the theme of city and countryside cultures, include: social issues; economic challenges and regeneration; and land use change and environmental sustainability.
- » Physical topics, based around the theme of mountain environments, include: hydrology; fluvial geomorphology; glaciers and climate change; surveying and mapping.

GEOG3520 River Conservation and Management

- » Learn about environmentally-sustainable river management practices, with a particular focus on nature-based solutions (e.g. natural flood management and river restoration and rehabilitation).
- » Develop fieldwork skills by learning how to conduct a River Habitat Survey and analyse the results using specialist computer software.
- » External speakers from a range of river management organisations provide key insights for students considering a career in the water industry.

GEOG3521 Engineering Geomorphology

- » Learn how geomorphological processes and landforms can be used to provide practical support and guidance for environmental and engineering decision-making.
- » Explore topics such as slope stability, engineering properties of Quaternary deposits, ground water contamination, subsidence and the formation of sinkholes.
- » Understand how geomorphological materials behave as engineering materials.
- » Gain practical experience in the classification of engineering soils using *in situ* and laboratory techniques.

GEOG3522 Earth Observation and Environmental Change

- » Map and monitor change in Worcestershire habitats using Sentinel-2 satellite images.
- » Use drone camera images to produce a 3D model of a wind-blown sand landscape.
- » Have a go at coding in Google Earth Engine to create an animation of the growth of a refugee camp over time.
- » Gain (big) data analysis skills that are in very high demand in the workplace.

GEOG3523 Glaciers and Glaciation

- » Learn about glaciers and climate change in central and northwest Europe over a range of timescales, including the 'Anthropocene'.
- » Explore glaciers and glaciated landscapes using our VR resources, which allow you to visit sites in the Lake District, Scotland, Wales, and Switzerland.
- » Create your very own online guided field trip!
- » Specialist skills developed include geomorphological interpretation, science communication and digital resource creation.

GEOG3530 Sustainable Development in Sub-Saharan Africa

- » Examine the ideas, concepts and practical experiences that have shaped our understanding of sustainable development in Africa.
- » Take a fieldtrip to Ethiopia – virtually.
- » Take on the role of farmers, government or NGOs and present your strategy for the sustainable development of the Ethiopian Highlands.

GEOG3531 Geography of Health and Well-being

- » Geography and health are closely integrated as society is exposed to more diseases and viruses which highlights unequal global access to health services.
- » The Covid pandemic is a contemporary example; although the virus was globally indiscriminate, it highlighted that medical aid was disproportionately focused on wealthy nations.
- » Inextricably linked with health is wellbeing which is over-looked and often taken for granted, but hides inequalities that exist between countries that are exacerbated by both environmental and human factors.

GEOG3532 Rural Planning for Conservation

- » Engage with the key processes of change at work over time in the British countryside and understand the policy interventions made to try to conserve landscapes and wildlife.
- » Experience how to use human geography in an applied way that is highly career-relevant.
- » Learn through fieldwork on day visits to high-value environments how conservation policies have operated in practice, together with reflection about the effectiveness of their outcomes.

GEOG3533 Planning Space. Making Place

- » Learn about the development and operation of the British spatial planning system.
- » Explore how to plan sustainable places, considering issues such as housing provision, transport planning, biodiversity, heritage planning and urban design.
- » Take on the role of a specific stakeholder group in a mock planning inquiry.
- » External speakers from the planning profession provide key insights for students considering a career in planning.

GEOG3534 Cultural and Heritage Tourism

- » Explore the increasingly important role that culture, heritage, commodification and spectacle play in the management and development of places.
- » Consider the impacts of the promotion of urban and rural areas as places of leisure and tourism, and the consequences of utilising heritage and culture as part of economic development strategies.
- » Take on the role of a tourism consultant to develop a cultural/heritage promotion strategy for a chosen location.

GEOG3540 Our Fragile Planet: Biogeography

- » Study the geographical distribution of plants, animals and other organisms.
- » Explore key themes and debates within the field of biogeography.
- » Learn about core ecological concepts and investigate issues affecting the natural world and conservation practice.



Sustainability

The UN's Sustainable Development Goals are embedded throughout our course. Students explore and actively engage with a wide range of sustainable development issues, from climate change, river management and nature conservation, to gender inequality, consumption, and globalisation. Our graduates are equipped with the skills and competencies to develop sustainable futures for people and planet.

Benefits

- ✓ Understanding of the global challenges facing our world, including the complex and intricate relationships between people and the environment
- ✓ Develop skills and competencies to pursue sustainable visions of the future, both personally and professionally
- ✓ Sustainability knowledge and skills are increasingly in demand by employers across the corporate and public policy sectors.

At Worcester

- ✓ Wide range of sustainability content covering all 17 SDGs
- ✓ Teaching informed by staff research into sustainability (e.g., planning sustainable cities, development in sub-Saharan Africa, monitoring environmental change)
- ✓ Authentic 'real world' sustainability-based assessments (e.g., 'mock' planning inquiries, conference debates, consultancy reports)
- ✓ Links with external organisations engaged in sustainable development, within modules and through placement opportunities
- ✓ Get involved in sustainability activities, such as 'Go Green Week'
- ✓ The University of Worcester is nationally recognised for its many sustainability initiatives and achievements

EXPLORING SUSTAINABLE DEVELOPMENT IN AFRICA

Students on the third year 'Sustainable Development in Sub-Saharan Africa' module can go on a virtual field trip to either Malawi or Ethiopia. The data they collect informs the sustainable development strategy they produce for this area.

CLIMATE CRISIS

The climate crisis and its impacts is an important topic addressed in all three years of our BSc Geography course.

Second year geography students learn about global inequality and the climate crisis during a mock UN climate change negotiation. The debate is part of the 'Climate Crisis' module, which introduces students to both the scientific and human dimensions of the climate change debate.

GO GREEN WEEK

Sustainable food production and healthy diets are just some of the topics explored during the University of Worcester's Go Green Week. First year Geography students get involved with Go Green Week preparations through the 'Sustainable Futures' module.

Employability

Geography offers many exciting career possibilities. But not all courses provide the same opportunities for developing specialist and transferable skills. Our practical, hands-on approach, supported by access to the latest technology and close links with employers, ensures our students are well prepared for their careers.

What do Worcester Geography graduates do?

Recent graduates have secured positions in the following fields:

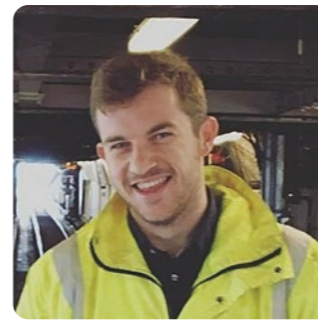
- » Environmental Management and Consultancy
- » Geographical Information Systems (GIS)
- » Flood Risk Management
- » River Science
- » Urban and Rural Planning
- » Local Government
- » Development
- » Data Management
- » Conservation
- » Tourism
- » Earth Observation
- » Teaching
- » Surveying
- » Corporate Responsibility and Sustainability



Jessica Jones
ENVIRONMENTAL SCIENTIST
EMPLOYER: ATKINS

I work for one of the world's most respected design, engineering and project management companies as an Environmental Scientist within the Contaminated Land and Hydrogeology team. I undertake desk-based studies, ground investigations and interpretive reports for a wide range of clients.

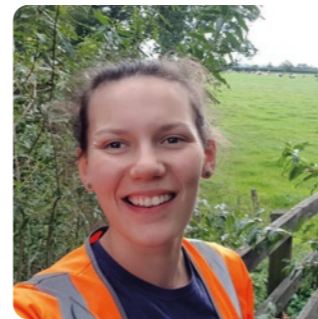
I thoroughly enjoyed my time at the University of Worcester, and I feel the degree gave me well rounded knowledge of the environmental sector which has assisted me in many avenues of my career.



Jack Smith
PRINCIPAL TRANSPORT PLANNER
EMPLOYER: STANTEC

As a transport planner, much of my work involves looking at the impact of transport issues on the public. This includes large scale projects, such as assessing the impact of a village bypass proposal, or smaller jobs like developing road safety measures outside a school.

The Geography course at Worcester provided me with exposure to a wide range of knowledge and skills that have enhanced my employability. It has also given me the confidence to build a successful career.



Megan Robertson
ENVIRONMENTAL SCIENTIST
EMPLOYER: WESSEX WATER

My role is a mix between office and fieldwork. I'm involved in water sampling, data handling and interpretation, electrofishing and flow gauging. I use the skills and experience I gained during my degree every day in my job at Wessex Water. Practical skills include flow gauging, macroinvertebrate sampling, environmental data handling

and analysis, and GIS mapping skills. The Geography lecturers were fantastic, knowledgeable and very approachable. The residential field trips are great, with the trip to the Swiss and French Alps a true highlight.



Rebecca Bakewell
GRADUATE PLANNING OFFICER
EMPLOYER: WYCHAVON AND MALVERN HILLS DISTRICT COUNCILS

I work within the Development Management section of the Planning Department. My day-to-day job involves assessing live planning applications ranging from commercial to domestic. The job involves a mix of office work and site visits. My degree at Worcester helped equip me with report writing and presenting skills that I now use in my job. It was the

work placement module that helped me get the job I have today as the work experience distinguished myself from other graduates and showed I already had some experience in working for a local government organisation.



Christopher Green
PROJECT MANAGER
EMPLOYER: AMEY

After a 2-year graduate scheme, I found a permanent role in Amey's Intelligent Mobility Team. We aim to make the future of transport work; bridging the gap between what we need, when we need it, and what's standing in our way to be able to get there. My time at Worcester has helped me adapt to the way of working expected in these areas.

I have found the knowledge and skills covered in the Town and Country Planning and Countryside Conservation modules to be especially beneficial in my career to date. The breadth of my degree has allowed me to be able to apply myself to numerous projects, and hopefully many more in the future!

Activities for A-level Geography

Why not talk to us about running an activity for your school or college? We offer a range of exciting talks and practical activities for schools and colleges in the surrounding region.

Walk on a glacier in VR

Using high resolution drone data to assess the dynamics of fluvio-glacial landforms in an Alpine environment

Explore Cwm Idwal in VR

Climate change and glaciers in the European Alps

Earth Observation: Imaging a changing planet

Global management of the carbon cycle with Earth Observation and GIS

The science and politics of the climate crisis

Investigating coastal slope failures using VR and laboratory analysis

Coastal management in the UK

World on fire: wildfires

Predict or prepare: seismic hazards

Planning sustainable cities

Exploring urban sense of place

Global agricultural systems

Understanding rural places

Sustainable development in Sub-Saharan Africa

Food security in Africa

Wetlands are not wastelands!

Do they know it's Christmas?
Changing representations of Africa

Health and disease in Africa

Measuring and delivering development

Whose land is it anyway?
Human-wildlife conflict in Africa

FOR DETAILS, PLEASE CONTACT:

Dr Des McDougall (d.mcdougall@worc.ac.uk)

Meet the team

Academic Staff



Dr Heather Barrett
Urban Geography



Dr Cheryl Jones
Natural Hazards, GIS, Geology



Dr Chris Corcoran
Cultural Geography



Dr Des McDougall
Glaciers, Mountain Environments



Prof Alan Dixon
Environment and Development



Prof Ian Maddock
Hydrology and River Conservation



Prof Nick Evans
Rural Geography



Dr Matt Smith
Biogeography, Environmental Science



Dr Sian Evans
Sustainability, Gender

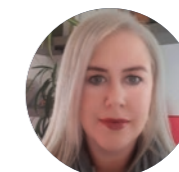


Dr Fleur Visser
GIS, Earth Observation, Fluvial Geomorphology

Support Staff



James Atkins
GIS, Geophysics and Surveying



Heather Taylor
GIS and Laboratory Facilities



Dom Howard
Fieldwork and GIS

Worcester

An aerial photograph of Worcester, England, taken during the 'golden hour' of sunset. The River Sever flows through the city, curving from the left towards the center. The central focus is the large, historic Worcester Cathedral, with its tall spire and Gothic architecture. Surrounding the cathedral are various residential and commercial buildings, mostly constructed of red brick. The sky is filled with soft, colorful clouds in shades of orange, pink, and purple, reflecting on the water and the rooftops. The overall atmosphere is peaceful and scenic.

STUDENT CITY
VIBRANT CITY
HISTORIC CITY
CONNECTED CITY

Worcester offers all the benefits of a big city combined with the community spirit and safety of a smaller town. When you want to take a break, the idyllic Worcestershire countryside and the Malvern Hills are within easy reach.



University
of Worcester

Please visit our website for the latest information:
www.worcester.ac.uk