School of Earth and Ocean Sciences
Undergraduate Degree Programmes

www.cardiff.ac.uk/earth-ocean-sciences
Cardiff University **School of Earth and Ocean Sciences**

**World Leading Research**

**Academic Excellence**

**High Employability**

**Transferable Skills**

[www.cardiff.ac.uk/earth-ocean-sciences](http://www.cardiff.ac.uk/earth-ocean-sciences)
90% of our graduates were in employment and/or further study six months after graduating.

Student Bloggers
From study tips to where to eat, to societies, weekend trips and where to get your books, our student bloggers are real students talking about the reality of being a student at Cardiff.
Don’t miss their latest blogs for the chance to find out more about what it’s like to study and live in Cardiff.

www.cardiff.ac.uk/studentbloggers
Discover the **Cardiff Experience**

**A leading university . . .**

- You’ll be part of a Russell Group university - one of the UK’s world-class universities.
- You can choose from more than 350 degree programmes. The Cardiff University degree is known and respected worldwide with a substantial number accredited by the professions and other external bodies.
- You’ll benefit from outstanding teaching in a research-led environment - Cardiff is ranked in the UK’s top 5 universities for research quality.
- Staff include a Nobel Laureate and numerous Fellows of the Royal Society and other prestigious institutions.

**in an outstanding city . . .**

- You’ll live in a friendly, compact and safe city with all your study, living and leisure needs within walking distance.
- Your money will go further at Cardiff with capital city attractions at provincial prices - Cardiff is amongst the most affordable/cost effective student destinations in the UK.¹

**with able and motivated students . . .**

- You’ll be at a first choice university where demand for places is strong.
- You’ll be studying in an environment with able and motivated students who have high grades at A-level or equivalent.
- You’ll be at an international university with students from more than 100 countries who have excellent career prospects.

**who have excellent career prospects.**

- You can be confident of your future prospects - 94.6% of our students were employed or had entered further study within six months of completing their studies.²
- You’ll be in demand - Cardiff is among the top 25 universities targeted by employers seeking high calibre graduates.³

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**Notes**

1. Research by Natwest 2017
2. HESA Destination of Leavers Survey 2016
3. High Fliers Research The Graduate Market 2017

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**Cardiff Connected**

www.cardiff.ac.uk

- @cardiffuniug
- facebook.com/Cardiffuniug
- Instagram.com/cardiffuni
- youtube.com/user/cardiffuni

**Contact us**

For students from the UK and EU:
Tel: 029 2087 4455
Email: enquiry@cardiff.ac.uk

For students from the rest of the world:
Tel: +44 (0)29 2087 4432
Email: international@cardiff.ac.uk
Welcome

Studying for a degree is a major investment for your future and choosing your university and degree programme is one of life’s all-important decisions.

The School of Earth and Ocean Sciences excels in teaching and research, and provides a supportive and inspiring place to learn about the evolution of the Earth, its life and how it works. Our graduates are highly regarded by employers and our courses are professionally-accredited. Our enthusiastic staff are approachable experts in their fields, who have a passion for teaching across the range of disciplines covered by our courses. Field classes, practicals, laboratory work and tutorials are all part of our innovative and stimulating research-informed learning experience. We work together with our students to ensure that their experience is the best we can offer.

As well as delivering excellence in teaching and learning, our staff engage in internationally recognised research that is tackling some of the most pressing issues facing humankind, ranging from climate change to exploration for natural resources.

We hope that you find this brochure helpful and informative as you consider your options as a potential university student. We have included information about the City of Cardiff and its beautiful surroundings (an outstanding natural laboratory for Earth and ocean sciences), the University, the practical and study facilities in the School, along with descriptions of our courses.

If you would like to receive further information about the School, or would like to arrange a visit, please do not hesitate to get in contact. Our telephone and email addresses are given inside the back page.

We look forward to hearing from you.

Professor Ian R. Hall
Head of School, Earth and Ocean Sciences, Cardiff University

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This brochure will provide you with more details of our programmes. We hope that they will give you more than just a flavour of what we have to offer you. However, we are always ready to answer any questions you may have, by post, telephone or email, or when you come to Cardiff for a visit. You will find the appropriate contacts at the end of this brochure.

Important Legal Information
The contents of this brochure relate to the Entry 2019 admissions cycle and are correct at the time of going to press in March 2018. However, there is a lengthy period of time between printing this brochure and applications being made to, and processed by us, so please check our website [www.cardiff.ac.uk] before making an application in case there are any changes to the course you are interested in or to other facilities and services described here. Where there is a difference between the contents of this brochure and our website, the contents of the website take precedence and represent the basis on which we intend to deliver our services to you.

Any offer of a place to study at Cardiff University is subject to terms and conditions, which can be found on our website [www.cardiff.ac.uk/offerterms] and which you are advised to read before making an application. The terms and conditions set out, for example, when we might make changes to your chosen course or to student regulations. It is therefore important you read them, and understand them.

If you are not able to access information online please contact us:
Email: enquiry@cardiff.ac.uk
Tel: 029 2087 4455

Your degree: Students admitted to Cardiff University study for a Cardiff University degree.
Cardiff: A capital city

The Principality (Millennium) Stadium nestles in the heart of the city, and is home to numerous sporting events and concerts throughout the year.
The Wales Millennium Centre is a world-class venue for the arts.

Cardiff is a thriving and attractive city, which is widely recognised as an outstanding place in which to live and study. It combines all the advantages of a compact, friendly and inexpensive location, with the cultural and recreational facilities of a modern capital city.

Cardiff offers everything from the excitement of the city to the peace and tranquility of the nearby coast and countryside. With its distinctive character, good quality of life, and growing national and international reputation, it hosts many high-profile cultural and sporting events, including international rugby, soccer, cricket and motor sport.

When it comes to entertainment, Cardiff is well-equipped to satisfy student needs. There is a multitude of cafés, pubs and nightclubs. The city is home to the world-renowned Welsh National Opera, it boasts prestigious concert venues such as the Wales Millennium Centre, St David’s Hall and the Motorpoint Arena, as well as the iconic Principality Stadium, the National Museum Wales, several theatres and the historic Cardiff Castle.

Cardiff is the location for award-winning television productions, including Doctor Who, Sherlock, Torchwood and Casualty.

The city is one of the UK’s best shopping destinations, with St David’s Dewi Sant retail centre standing alongside pedestrianised shopping streets, indoor and outdoor markets, and a fascinating network of glass-canopied Victorian and Edwardian arcades.

Cardiff also has more urban green space than any other UK city, and offers easy access to the countryside, coast and mountains.

Lively, elegant, confident, cosmopolitan and ambitious are all words readily used to describe modern-day Cardiff. Together, the city and the University provide students with the ‘Cardiff Experience’, a lifestyle our students remember long after graduation.

Cardiff is one of Europe’s youngest capital cities – small enough to be friendly and big enough to offer the best of living in a major city.

The Complete University Guide 2017

Come and see for yourself . . .

Cardiff benefits from excellent road and rail links with Britain’s other major towns and cities. London, for example, is two hours by train, and the M4 links both the West and South of England, as well as West Wales. Travel to the Midlands and to the North is equally convenient. The journey by road from Birmingham, for example, takes only two hours. The main coach and railway stations are both centrally placed, and Cardiff also benefits from an international airport.

Don’t just take our word for it . . .

“Cardiff is one of Europe’s youngest capital cities – small enough to be friendly and big enough to offer the best of living in a major city.”

The Complete University Guide 2017
Cardiff University has an international reputation for excellence in teaching and research, built on a history of service and achievement since 1883, and recognised by our membership of the Russell Group of leading research-led universities.

With attractive and compact campuses, excellent student accommodation, and a hugely popular Students’ Union, all within easy walking distance of each other in a thriving city, it is not surprising that Cardiff is a first choice university for many.

We admit approximately 5,000 undergraduate entrants each year, the majority of whom are school and college leavers, and have high grades at A-level or equivalent. While competition for entry is strong, Cardiff is an inclusive university with a good record on widening participation and fair access, and we welcome applications, irrespective of background, from everyone with the potential to succeed at Cardiff University.

The University’s Cathays Park Campus is located in and around the impressive Portland stone buildings, parks and wide tree-lined avenues that form Cardiff’s attractive civic centre. The majority of academic schools are located here - just a few minutes’ walk from the city centre. The three academic schools offering healthcare courses (excluding Optometry and Pharmacy) are based at the Heath Park Campus, approximately one mile away, which is also home to the University Hospital of Wales.

Although dating from 1883, Cardiff is focused on the 21st century, and has modern state-of-the-art buildings and facilities. The University has invested substantially in its estate in recent years and continues to do so today. Most academic schools have benefited from major refurbishment, including new and well-equipped laboratories, lecture theatres, libraries and computing facilities. International opportunities are available via our Global Opportunity Centre. These include study, work and volunteering placements in 27 EU countries as well as international exchange opportunities. All students also have the opportunity to study a language, in addition to their degree, through the University’s Languages For All programme.

The University takes its environmental, safety and security responsibilities very seriously. It has comprehensive policies in place which are making great savings in energy consumption and, to support the safety and security of all members of the University community and their property, there is 24-hour security cover throughout the campus.

What the Guides say . . .

“Cardiff University is a hugely popular UK university ... [it] has a reputation for world-class research and provides an excellent experience for its student body.”

Telegraph University Guide 2018

Cardiff University is among the best in the UK for preparing graduates for the workplace.

Times Higher Education – Global University Employability Ranking 2016

Cardiff offers one of the best student experiences in Wales, according to the latest Times higher Education UK Student Experience Survey.
Living in Cardiff
Accommodation
Cardiff offers guaranteed University accommodation of good quality and value, and a range of residences to suit individual preferences and budgets.

All undergraduates who accept their offer of a place from Cardiff, on a firm basis, are guaranteed a single occupancy place in University residences during their first year of study.

Please see our website for full details of our accommodation guarantee and associated deadlines: [www.cardiff.ac.uk/residences](http://www.cardiff.ac.uk/residences)

The University is continually investing in its student residences, and the views of students are taken into account at the design stage. Unusually for a civic university, most of our residences are within easy walking distance of lecture theatres, libraries, laboratories, the Students’ Union and city centre.

There are 15 different residences, providing more than 5,500 study bedrooms and students can apply for the residences which best suit their preferences, interests and budgets. Some 70% have en-suite shower and toilet facilities and all halls of residence have computer network connection points and access to Wi-Fi.

Fees depend on the facilities included and whether catered, part-catered or self-catered, but prices compare very favourably with those of other UK universities. Besides managing University property, the Residences Office maintains close links with the private sector and provides assistance to students seeking to rent or share houses or flats.

Student Life
The Students’ Union
Cardiff Students’ Union is one of the biggest, best and most active in Britain. A multi-million pound investment has been made in Union facilities in recent years, which has included a new venue called Y Plas, which at night becomes a nightclub.

Hosting live music, club nights, stand-up comedy, fashion shows and awards ceremonies, there’s lots to keep you entertained from your first day to your last.

Other facilities include a food court, a bank, a print shop, a hair salon and a bookshop. The Lounge offers IT and Skyping facilities, meeting rooms and a “chill-out” area, as well as snooker tables and multi-faith prayer room. The Union also has its own letting agency and an Advice and Representation Centre. In addition, it is home to CU TV and Xpress Radio (the students’ own TV and radio stations) and more than 200 cultural, political, religious, social, sporting societies and clubs.

Jobshop
Jobshop is the Union’s own student employment service and provides casual, clerical and catering jobs around the University to hundreds of students.

What the Guides say...
“Cardiff is one of the best UK cities for young adults because of its low cost of living, good job opportunities and decent wages.”
The Complete University Guide 2017

“Cardiff boasts one of the lowest living costs in the UK.”
The Complete University Guide 2018

Cardiff is “the most cost-effective city for students.”
Natwest Student Living Index 2017
Our Degree Programmes

Earth and ocean science education at Cardiff provides a research-led, holistic view of the Earth in which the oceans, atmosphere, biosphere and lithosphere are studied in depth as integral components of our Earth’s system.

Each of our degree programmes can offer you:

- a common first semester which provides a strong foundation in Earth and ocean sciences
- a grounding in all of the skills you will need in your chosen profession (e.g. environmental surveying, identifying geohazards, mapping training)
- flexibility to transfer between subjects or programmes up to the end of your first semester
- plenty of opportunities for field and practical work: we currently offer two overseas fieldtrips on each programme with travel and accommodation costs currently covered by your tuition fees
- passionate staff who are enthusiastic about their subject
- opportunities to feed back and work with staff to make the student learning experience the best that it can be
- specialist careers support throughout your studies, to give you the best possible start to your working life

F621
BSc Exploration & Resource Geology

A three-year degree for students interested in all aspects of natural resources (hydrocarbons, ore and industrial minerals and energy) and their exploration, extraction and management. This degree is also suited to students interested in aspects of applied geology and information technology.

F622
BSc Exploration & Resource Geology (with a placement)

A four-year degree for students interested in natural resources (hydrocarbons, ore and industrial minerals and energy) and their exploration, with time out in industry working with an exploration company. This degree is also suited to students interested in aspects of applied geology and information technology.

F623
MESci Exploration & Resource Geology

A four-year degree for students who wish to pursue a research career in hydrocarbons, ore and industrial minerals and energy. In year four, you will undertake an independent research project that focuses on your specialist subject of interest. There is also an option to spend year three of your degree at a university in North America, Australia or Europe. Module credits obtained during this year count towards your degree.

F624
MESci Exploration & Resource Geology (International)

A three-year degree for students interested in all aspects of geology and Earth evolution. This degree provides comprehensive training in field geology and map making. In year three, students can specialise in areas of sedimentology, palaeontology, structural or igneous geology.

F600
BSc Geology

A three-year degree for students interested in natural resources (hydrocarbons, ore and industrial minerals and energy) and their exploration, extraction and management. This degree is also suited to students interested in aspects of applied geology and information technology.
### Fieldwork plays an important role in all our degree programmes

<table>
<thead>
<tr>
<th>Degree Programmes</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td><strong>F601</strong> MESci Geology</td>
<td>A four-year degree for students who wish to pursue a research career in Earth sciences. In year four you will undertake an independent research project that allows you to focus on your subject of interest in Earth sciences. There is also an option to spend year three of your degree at a university in North America, Australia or Europe. Module credits obtained during this year count towards your degree.</td>
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<tr>
<td><strong>F602</strong> MESci Geology (International)</td>
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</tr>
<tr>
<td><strong>F642</strong> BSc Environmental Geoscience</td>
<td>A three-year degree for students interested in applied geoenvironmental or global geoenvironmental issues, including subjects such as geo-hazards, pollution and engineering geology, climate change and sea-level rise.</td>
</tr>
<tr>
<td><strong>F644</strong> BSc Environmental Geoscience (with a placement)</td>
<td>A four-year degree for students interested in applied geoenvironmental or global geoenvironmental issues, including subjects such as geo-hazards, pollution and engineering geology, climate change and sea-level rise, with time out working in the geoenvironmental industry.</td>
</tr>
<tr>
<td><strong>F645</strong> MESci Environmental Geoscience</td>
<td>A four-year degree for students who wish to pursue a career in applied or global geoenvironmental issues such as climate change, water resources and pollution. In year four you will undertake an independent research project that focuses on your subject of interest. There is also an option to spend year three of your degree at a university in North America, Australia or Europe. Module credits obtained during this year count towards your degree.</td>
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<tr>
<td><strong>F647</strong> MESci Environmental Geoscience (International)</td>
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</tr>
<tr>
<td><strong>K32H</strong> BSc Environmental Geography</td>
<td>A three-year degree for students interested in aspects of Earth systems and the natural environment. The programme provides a foundation in Earth science and progresses to include subjects such as pollution, water quality, ecology, geomorphology and landscape management.</td>
</tr>
<tr>
<td><strong>Y32M</strong> MESci Environmental Geography</td>
<td>A four-year degree for students interested in aspects of Earth systems and the natural environment. The programme provides a foundation in Earth science and progresses to include subjects such as pollution, water quality, ecology, geomorphology and landscape management. In year four you will undertake an independent research project that focuses on your subject of interest. There is also an option to spend year three of your degree at a university in North America, Australia or Europe. Module credits obtained during this year count towards your degree.</td>
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<tr>
<td><strong>2L4D</strong> MESci Environmental Geography (International)</td>
<td></td>
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<tr>
<td><strong>F841</strong> BSc Marine Geography</td>
<td>A three-year degree for students interested in the study of the physical, hydrographical and managerial issues relating to the ocean and its coastlines.</td>
</tr>
<tr>
<td><strong>F842</strong> BSc Marine Geography (with a placement)</td>
<td>A four-year degree for students interested in the study of the physical, hydrographical and managerial issues relating to the ocean and its coastline, with time out working in a marine-related industry.</td>
</tr>
<tr>
<td><strong>1D79</strong> MESci Marine Geography</td>
<td>A four-year degree for students who wish to pursue a research career in aspects of shallow, near-shore coastal processes or marine-related managerial issues. In year four students complete a research project on a marine topic of interest. There is also an option to spend year three of your degree at a university in North America, Australia or Europe. Module credits obtained during this year count towards your degree.</td>
</tr>
<tr>
<td><strong>4J26</strong> MESci Marine Geography (International)</td>
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</tbody>
</table>

www.cardiff.ac.uk/earth-ocean-sciences
The first year is designed to give you a sound foundation in Earth and ocean sciences upon which the specialised modules in each programme build in subsequent years.

Many of our first year students haven’t been able to study geology or other Earth science subjects at school. This is why our first semester is common across most of our programmes.

During the first year, we will provide you with an introduction to the study of the Earth and oceans as a system and develop your scientific skills. General skills, such as observation, numeracy, presentation and communication are valuable throughout your studies and future careers, and will be included in your year one curriculum.

In the first few weeks all first years go on a number of introductory fieldtrips in South Wales. They’ll give you a flavour of what you will learn in the first year, a chance to settle into the pace of University life, and give you a chance to get to know other new students and staff.

Fieldwork in the first year is usually based around day or half-day trips as part of core modules where you will learn essential field skills, such as using your compass and identifying geological processes in the landscape.

Depending on the programme, you may have the opportunity to undertake work at sea, or take part in a residential field excursion before the Easter break.

All the first year modules include lectures and a variety of laboratory work. Several include individual study projects. Some of the modules extend over the two semesters.

Most modules are assessed by a combination of examination and marking of other work. The nature and weighting of other assessed work varies with the requirements of different modules. You will need to achieve a satisfactory standard in the 120 credits studied before progressing to the second year.

We believe it is important to take account of the varying skills and qualifications of the students arriving in the School, so the broad-based first year complements your own talents and interests. To ensure that all students have the necessary scientific knowledge for a degree in Earth and ocean sciences, key scientific skills are introduced at appropriate places within the main curriculum. Supplementary workshops are available for students who need extra support. Your personal tutor, allocated to you in the first week of your course, will advise you of the best way to organise your studies to utilise your background achievements.

Because the first semester is common to all our undergraduate degree programmes, you are able to transfer between them up to the start of the second semester in mid January.

Philippa Smith
Year One Environmental Geography

“During the first few weeks at Cardiff Uni, you will go on many field trips. These not only help to teach you about new techniques you will use throughout the three years and to give you an over view of the course, but they are also a great opportunity to meet new people. When you are dropped off on one of your first trips, you can’t help but make friends. Whilst all my flatmates were sat in lectures day after day, I was out exploring Cardiff and the surrounding area which was a great way to start the year. Also, not many people get to wear a hard hat and hi-vis jacket during their degree!”
Choosing between a BSc or MESci

We offer Bachelor of Science (BSc) or MESci (Master of Earth Science) programmes with a variety of options, but which is right for you?

www.cardiff.ac.uk/earth-ocean-sciences
MESci

The Master of Earth Science is a four year degree programme that gives you the opportunity to go into more depth in your chosen subject area than the equivalent three year BSc programme. You will have the opportunity to undertake your own research as part of this degree, but will also be expected to have higher entry grades when you apply for an MESci.

MESci International

Students who would like to study for a Master’s in Earth Science may choose to enrol on the MESci (International) option, rather than the standard MESci.

The course structure and aims are the same, but the international option gives students the opportunity to study at a prestigious overseas university for part of the degree. You will study abroad during year three of the programme, with credits and grades acquired overseas counting towards your year three results.

A year abroad allows you to broaden your horizons, both academically and culturally. You will be able to enrol in courses overseas that are not available at Cardiff. You will acquire a wide range of transferable skills and the additional experience will improve your employability and prospects of postgraduate studies.

We currently have agreements with Rutgers University, the University of Vermont and the University of Wyoming in USA; the University of British Columbia in Canada; the University of Western Australia (Perth) and Macquarie University (Sydney) in Australia; Wageningen University in The Netherlands; and University of Gothenburg and Stockholm University in Sweden.

The International programmes are available in all MESci subject areas. The intake grades for these international programmes are higher than the conventional Cardiff MESci, primarily because there is strong competition for the limited places. An average of 65% in both years one and two is required in order to remain on the MESci (International) scheme.

Although there are normally sufficient places to send all of our International programme cohort away for their third year, the exact number of places available can vary from year to year depending on the number of students exchanged in either direction. This means that we cannot guarantee that all students on the International programme will be able to study abroad.

In the event that a place is not available students will be transferred to the normal MESci programme. Since the programme began we have successfully placed over 98% of qualified students who have applied to study abroad.

Transferring between programmes

Transfer from a BSc to an MESci is possible at the end of years one or two and requires an average mark of 60%.

Transfer from MESci to the equivalent BSc can also take place at the end of years one and two. Transfer on to the MESci (International) programme is also a possibility if you obtain 65% at the end of years one and two.

Transfer into and out of the MESci programmes is possible, but it is best to enrol on the MESci in year one if you meet the entry requirements, as there are dedicated research training tutorials in years one and two.
Environmental Geography

Available as:
- BSc (UCAS Code: K32H)
- MESci (UCAS Code: Y32M)
- MESci (International) (UCAS Code: 2L4D)
Environmental Geography is the study of the relationship between humans and the natural environment. It transcends the traditional Earth sciences because it considers the impact of human processes on natural systems, such as glacial or coastal environments, and includes aspects of social science. It will equip you with the understanding and tools to create solutions that address environmental issues arising from our relationship with the planet, such as climate change and pollution.

This new degree programme was established in 2016. It differs from Environmental Geoscience in that it focuses more on physical geography topics such as landscapes and geomorphology.

What will I study?
You will study the development of the planet and its landscapes, and the interactions and processes that have shaped them. You will focus on environmental problems that can arise from our relationship with the Earth and learn to develop sustainable solutions to them.

The course develops knowledge and understanding of the physical, biological, and chemical controls on the environment.

We look at how the Earth functions, for example how global climate is controlled, and how landscapes evolve. We investigate terrestrial and marine ecology. We also discuss human-generated issues such as pollution, including its causes, assessment, monitoring and clean up.

During the course, we also develop your fieldwork skills – much of this training is based outdoors. You will learn how to use geographical information systems (GIS), how to plan, execute and report on project work, and how to sample, collect and analyse data. You will also be trained in spatial mapping, topological work and geomorphology.

Through the programme, as your knowledge develops, you may be able to choose optional modules, allowing you to tailor the programme to your own interests and aspirations in the field. You will also be encouraged to devise your own topic for independent project work. Students often pick projects that relate to the environment close to their homes, but some choose projects that take them abroad to locations such as the Mediterranean, Africa or the USA.

Environmental Geography fieldwork
Fieldwork is crucial to developing your skills as an environmental geographer. Our location in South Wales is perfect for studying environmental geography, as we have easy access to a huge range of natural environments, with mountains to the north and the Severn tidal estuary in the south. Naturally, we will spend some time studying these varied landscapes and training you in essential fieldwork skills, such as map-reading, landscape identification and the use of a compass.

We also take our students on several residential fieldtrips. We currently explore the impacts of past glaciations on the environment of Snowdonia National Park and visit a modern glaciated landscape in the Alps. In 2018, we will embark on a new fieldtrip to investigate hydrology and river systems in the south of France.

All of the travel and accommodation on our fieldtrips is currently already included in your tuition fees. We will only ask you for a small contribution towards food and drink for each trip.

Environmental Geography careers
Whilst no students have yet graduated with an Environmental Geography degree, those graduating with its precursor programme have been popular with employers such as local government, the Environment Agency, Airbus, construction and utility companies. If you wanted to work in the field of environmental geography, typical job titles would be environmental advisor, software analyst, environmental consultant, or pollution monitor. Many of our graduates also enter other professions, such as teaching, finance, or communications.
Geology
Available as:
› BSc (UCAS Code: F600)
› MESci (UCAS Code: F601)
› MESci (International) (UCAS Code: F602)

www.cardiff.ac.uk/earth-ocean-sciences
Geology is the study of Earth, the materials that it is made up of, the processes that affect it and the evolution of the life that inhabits it. We look at the history of the Earth; processes such as volcanic eruptions; the Earth’s materials, such as minerals, metals, oil and water; the Earth’s structure; past climates.

The better we understand the Earth, the better we can estimate the impact of future events and processes, such as earthquakes, climate change or dwindling resources.

Our Geology degrees are accredited by the Geological Society.

What will I study?
This programme will provide you with a broad view of the physical, geochemical and biological processes that formed planet Earth, its oceans, atmosphere, lithosphere and biosphere. You will learn how to read the rocks, assess the processes involved in their formation, be able to reconstruct past environments and interpret how life evolved.

We’ll look at the Earth within our planetary system, how the Earth was formed, natural resources, and processes of change, such as plate tectonics. We will also look at how we can interpret past ecosystems through fossils. You will also be taught practical skills, such as geological mapping, using geographic information systems (GIS), and the techniques critical to acquiring, processing and interpreting geophysical data. As your skills develop, you will have the opportunity to tailor the programme to your interests through a variety of optional specialist modules.

A challenging element of this course is an independent five week geological mapping project, which will put your skills to the test. Our most popular mapping areas are typically in Wales, Scotland, Ireland, Southern France, Spain and Portugal, but some students choose to go further afield.

Geology careers
Studying geology can lead to some exciting graduate job opportunities. Our graduates work all over the world as geologists (in oil, exploration, engineering, or reservoirs), consultants, field mappers, mining software analysts, surveyors and mineralogists. Recent graduates have gained jobs with high-profile employers such as the British Geological Survey, the Environment Agency, Digirock, Hummingbird Resources and BHP Billiton. Geology is also an excellent subject to study if you decide to go into teaching, or other professions due to the transferable skills taught on our programmes.
Exploration and Resource Geology

Available as:
- BSc (UCAS Code: F621)
- BSc (placement year) (UCAS Code: F622)
- MESci (UCAS Code: F623)
- MESci (International) (UCAS Code: F624)
Exploration and Resource Geology focuses on the study of the Earth’s natural resources; how they formed, their properties, where they can be located, and how best to use them.

Our Exploration and Resource Geology programme is unique in the UK. It is vocationally-orientated and well-respected by the industry. Young, skilled people are in great demand to assist in the exploration for natural resources to feed the growing world demand for minerals, oil, gas and industrial minerals.

Our Exploration and Resource Geology degrees are accredited by the Geological Society.

What will I study?

In Exploration and Resource Geology you will focus on the application of geology to the exploration, evaluation and extraction of Earth’s natural resources.

You will learn about the geological, physical and chemical processes active within the Earth, that lead to the formation of a natural resource. We’ll look at ore genesis, petroleum geology, igneous geology and other specialist topics in detail. As your knowledge develops, you’ll also have the opportunity to tailor the programme to your interest, by choosing from a range of optional modules.

Exploration geologists require a very broad range of skills to be successful in their work. You need to have an aptitude for fieldwork, good IT skills and the ability to make key decisions from limited information, as you might end up working in a rural landscape far from any access to the internet or other key tools.

This is why we focus on skills training, most of which happens in the field. We will train you in surveying, geological, geochemical and geophysical mapping techniques, safety and applying the specialist IT skills required of modern exploration professionals.

You will have the chance to put your skills into practice by undertaking either a minimum five week vocational industrial exploration placement anywhere in the world exploring for metals, oil or industrial minerals or a practical field mapping project.

Exploration and Resource Geology fieldwork

Due to the applied nature of professional exploration work, we try to spend as much time in the field as possible honing your skills.

We currently visit Pembrokeshire, where you will learn to draw detailed geological maps using geological and geophysical techniques; southwest England to study sedimentary basins and the tin mining legacy. We currently also visit Spain where rock exposure is completely different from the UK, and Cyprus, where you will be able to apply all the essential practical skills needed to become a professional exploration geologist.

All of the travel and accommodation on our fieldtrips is currently included in your tuition fees. We will only ask you for a small contribution towards food and drink for each trip.

Exploration and Resource Geology careers

Our Exploration graduates frequently secure jobs with overseas or global employers, such as Gemcom Software, SRK Exploration, Kuwait Oil Company and Anglo American. Job titles can range from engineering geologist and geological consultant to mineralogist, mining software analyst and geophysical surveyor.

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Bill Levene

Bill graduated with a BSc in Exploration and Resource Geology and is currently working for Hummingbird Resources in Liberia. Work involves running multiple trenching/soils sampling programmes, supervising up to 80 people. Many projects are a days walk from camp and involve staying in villages that have never been visited by a European before.

How did you find the Cardiff student experience?

“The Cardiff course provided me with skills very relevant to working in mineral exploration, which I have been able to build on since graduating. Cardiff was a fantastic place to study with ample opportunity to get involved in other activities outside your course.”

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www.cardiff.ac.uk/earth-ocean-sciences
Environmental geoscience is about understanding the evolution of the Earth and our changing environment. It looks at how we use and manage natural resources and protect ourselves from hazardous environmental changes.

Environmental geoscience focuses on geological aspects of the Earth’s formation and evolution, looking beyond the Earth’s surface and into our past.

Our Environmental Geoscience programmes are accredited by the Geological Society.

What will I study?
You will learn about how our planet works, its rocks, minerals and structures, and how natural and man-made events interact with and change the environment. You will learn about global systems like climate, how they work today, how they have operated in the past, and how they are expected to change in the future. You will also learn about man-made issues like pollution and look at subjects such as climate change and sea-level rise.

We will train you in geological mapping and conducting site surveys, to develop your understanding of global geoenvironmental issues, such as contaminated land and geotechnics. You will also learn how to conduct professional project work, including planning, execution and reporting. You will also be taught how to carry out geochemical analyses and the protocols required to work in a geochemical laboratory.

Through the programme, as your knowledge develops, you may be able to choose optional modules, allowing you to tailor the programme to your own interests and aspirations in the field. As part of your Environmental Geoscience dissertation, you will complete a one week compulsory geological mapping component. You will be encouraged to devise a series of field or laboratory-based projects as part of your dissertation, for example looking at geology of an area and pollution, the geology and how it determines plants and land use, the geology of a region and the development of soils in relation to the climate.

Environmental Geoscience fieldwork
For environmental geologists it is important to have excellent lab skills, but also to be able to work in the field. Similarly, it’s vital to be able to work independently as well as in a group, which is why we encourage both types of working in our fieldwork.

South Wales is one of the best locations in the UK to study environmental geoscience, having a wealth of local natural and manmade geoenvironmental case studies on our doorstep. These natural locations range from the beautiful Welsh coastline up to the scenic mountains of the Brecon Beacons, including eroding sea cliffs, sand dunes, wetlands, valley slopes and past glacial erosion.
With a long industrial history, South Wales also offers study sites that include landfills, heavy metal contamination, acid mine drainage, derelict land and mining subsidence.

We also travel abroad for residential fieldwork. For example, we currently visit Portugal to conduct geological mapping training and investigate its geoecology. We currently also travel to Tenerife, with its imposing volcano, to tie everything you have learnt together into a “whole island concept”, which links geomorphology, hazards, soils, vegetation, water and sustainability.

All of the travel and accommodation on our fieldtrips is currently included in your tuition fees. We will only ask you for a small contribution towards food and drink for each trip.

Environmental Geoscience careers

In the past, graduates from this programme have gone on to work for the water industry, local authority waste management, as environmental advisors in the construction industry, software analysts, and surveyors. Others decide to use their transferable skills in other professions, such as teaching.

Hanna Hayward

Hanna graduated with a degree in Environmental Geoscience (with a placement year) and is currently working as an Assistant Environmental Advisor for BAM Construct UK.

How did you find the Cardiff student experience?

“There were many reasons that made me choose Cardiff to study Environmental Geoscience, but it was the opportunity to have an industrial placement year as well as the variety of field trips and high standard of teaching which separated Cardiff University from my other choices. I thoroughly enjoyed my degree.”
Marine Geography

Available as:
- BSc (UCAS Code: F841)
- BSc (placement year) (UCAS Code: F842)
- MESci (UCAS Code: 1D79)
- MESci (International) (UCAS Code: 4J26)

Marine Geography is the study of the ocean and its coastlines. Professional marine geographers apply traditional land-based geographical skills, such as mapping and surveying, with new techniques and approaches in order to understand the intriguing geography that lies beneath the ocean surface.

Our oceans cover approximately 71% of the planet and this figure is rising. Due to its size, dynamic nature and diversity, the geography of the oceanic environment is fundamental to our understanding of the whole planet’s natural systems. Marine geographers are interested in both the exploration and development of resources to sustain humanity in the future, as well as the ocean’s impact on human life. The subject is therefore taught as a blend of physical geography with applications of human geography.

Cardiff was the first place to offer a degree programme in marine geography and has been running it successfully since 1976. Our marine geography programmes are accredited by the Royal Institution of Chartered Surveyors and the Institute of Marine Engineering, Science and Technology (IMarEST).

What will I study?
Marine Geographers study the socio-economic relationships between people and the physical characteristics of the sea and coast at global and local scales to help decision-making on issues such as fisheries, offshore oil and gas, ports and shipping, conservation, minerals and energy, strategic use and management. These issues are all critical in terms of sustainable development and environmental protection.

You will learn about a range of topics including marine biology, physical processes, coastal and ocean management, hydrographic surveying and seafloor mapping, global climate change and environmental management of marine operations.

You will also be taught to map the marine environment to understand its physical and biological characteristics. Not only will you learn about traditional navigation and hydrographic surveying techniques, but you will also gain experience of modern remote sensing systems including satellite imagery, sidescan and multi-beam SONARS for seafloor mapping, and 3D-seismic methods for probing the ocean floor.

You will also get the opportunity to test images of the seabed and marine ecosystem by deploying underwater cameras and various seabed-sampling devices including grabs, corers and trawls on our own research vessel, the Guiding Light.

We will also train you in the various techniques to gather, evaluate, and interpret data gathered by our equipment using Geographical Information Systems (GIS), which is often used not only to investigate the geography of the coasts and oceans, but also to help decision-makers involved in Integrated Coastal Zone Management.

Marine Geography fieldwork
Fieldwork is integral to this programme as you explore the oceans and coastal environments which are the subject of your degree. Not only will you go on traditional fieldtrip, some of which are residential. You will also have sea-time training, on the Guiding Light research vessel in order to gain essential boat skills.

Cardiff is an ideal location to study all aspects of marine geography. We are situated in an estuary with a large tidal...
range and have access to a wide variety of coastal environments. Apart from locations in the UK, we also visit coastal and island locations – currently Malta or Jersey, and Greece – for residential fieldwork.

All of the travel and accommodation on our fieldtrips is currently included in your tuition fees. We will only ask you for a small contribution towards food and drink for each trip.

**Marine Geography careers**

Marine Geography graduates have a wealth of different career destinations to choose from, on land or on water.

Our recent graduates have gained jobs as hydrographic surveyors, marine conservation officers, marine environmental consultants, oceanographic surveyors and port authority officers. Some work on waste management, or the water industries, others are employed by the Environment Agency, Estuary groups, Titan Environmental Surveys and Osiris Projects. Several of our graduates have also gone into marine research after completing PhDs.

**Beth Taylor**

“After a placement year working for a marine NGO in Greece, I was certain I wanted a career in marine conservation and a job heavily fuelled by fieldwork and I have been employed in the marine sector since graduation.

I have worked on marine spatial planning reports for the Marine Management Organisation; conducted elasmobranch research in the Cayman Islands; been a researcher on the largest ever Caribbean wide coral reef and social science project in British Virgin Islands; acted as lab manager of a coral research base on a remote island of four people...and now I am Project Manager of the Manta Trust’s Laamu Atoll research initiative.

There is no way I would have been able to get to these places and do these incredible jobs if it had not been for my foundation in marine science gained at Cardiff. I was also told categorically during my master’s degree application process, that the skills and knowledge base gained during my undergraduate BSc was key in my gaining a place on the highly competitive MSc Marine Environmental Management at the University of York.

I would highly recommend Cardiff Marine Geography BSc for anyone considering a career in the marine sector due to its broad scope, which allows anyone to explore almost every job possibility under the sun!”
After your first degree you may wish to specialise in a particular area of Earth sciences by taking our well-established MSc in Applied Environmental Geology.

This vocationally-orientated course will help you develop all of the skills required for the geo-environmental, geotechnical, consulting and regulatory industries. It has been running for 25 years and its enduring popularity means we have now trained over 700 postgraduate geologists, who are now working in industry and government agencies in the UK, Europe and overseas.

The programme includes a five month individual applied dissertation project, which typically involves elements of geotechnics, ground contamination and environmental assessment. It also includes compulsory fieldwork to maximise your transferable skills.

This programme is accredited by the Geological Society of London. Successful completion of this postgraduate degree can be used in credit towards gaining the professional Chartered Geologist (C.Geol) qualification.
Our degree programmes equip you with a wide range of transferable skills:

- Numeracy
- ICT
- Practical skills
- Effective written and oral communication
- An ability to conduct independent research
- Problem solving
- Synthesis, evaluation and critical analysis
- Working independently and teamwork
- Collecting and recording data
- Report writing
- Processing, modelling and interpreting data
- Bibliographic skills

In the sector, they are valued for their field-based training and project placements, which make them ready for the daily challenges of working as geologists, surveyors, consultants (see further recent graduate jobs below).

Some of our graduates chose not to enter the sector, opting to become teachers, communications professionals or even work in the finance sector. They are valued for the transferable skills they have developed during their time with us, making them ideal employees in a wide range of non-scientific fields.

Others go on to further research and study after their degree, after discovering a passion in a particular area of Earth and Ocean Sciences during their degrees. Our options for further study include the vocational MSc Applied Environmental Geology or options for MPhils and PhDs.

Graduates from all of our degree programmes are highly sought after by employers. This has been shown year after year with excellent results in surveys of recent graduates, most of whom have a job within six months of completing their degree.

Typical recent graduate careers and further training

**Geology / Exploration and Resource Geology**
- mineral exploration
- geological consultant
- field mapping
- oil geologist
- mining software analyst
- geophysical surveying
- water industry
- construction industry
- seabed and hydrographic surveying

**Master’s (MSc) in:**
- hydrogeology
- applied geotechnics
- geochemistry
- environmental risk management
- applied environmental geology
- mining geology
- engineering geology

**Environmental Geoscience / Environmental Geography**
- water industry
- waste management
- environmental advisor
- construction industry
- software analyst
- surveying
- environmental consultant
- pollution monitoring

**Master’s (MSc) in:**
- environmental conservation management
- applied environmental geology
- engineering geology
- waste management
- environmental hydrogeology
- hydrology
- water resources management

**Marine Geography**
- hydrographic surveyor
- marine conservation officer
- water industry
- marine environmental consultant
- oceanographic surveyor
- waste management
- port authority officer
- marine research

**Master’s (MSc) in:**
- conservation
- environmental hydrogeology
- oceanography
- renewable energy
- biotechnology
- applied environmental geology

Employability and Careers

www.cardiff.ac.uk/earth-ocean-sciences
Our Research

Earth and Ocean Sciences is a research School with over 40 leading international research scientists and around 50 postgraduate research students investigating a diverse range of research topics.
Research within the School of Earth and Ocean Sciences is as fascinating as it is broad. Our researchers are addressing fundamental questions relating to the evolution of our planet. From deep within the Earth, through the crust, into the oceans and onto the land, our researchers are interested in all aspects of the Earth’s formation and evolution. Our staff will inspire your interest in a range of topics. The quality and global significance of our research was highlighted in the 2014 Research Excellence Framework, where we ranked 4th in the UK.

Our researchers are divided into the Solid, Living and Changing: Earth and Ocean Science research themes but our specific research interests are broken down into several groups that may lie within a single theme or straddle themes. In this way we ensure that new and exciting partnerships between scientists with different interests can prosper.

The breadth of our research is reflected in the range of taught modules offered to our undergraduate students who can get involved through practical classes and virtual surveys using satellite images, as well as through their own research projects in the laboratory and in the field.

**Solid: Earth and Ocean Science**

Through a combination of field and 3D seismic data, laboratory investigations and numerical modelling, the Solid research theme investigates the composition and dynamic evolution of the Earth’s mantle and crust, including the formation of mineral and hydrocarbon deposits, magmatic and hydrothermal processes, geodynamics, solid Earth dynamics, plate tectonics and the development of sedimentary basins. Our research in mineral deposits focuses on magmatic ore deposits of platinum-group elements, nickel, copper and chromium, notably in southern Africa and Fennoscandia. Research on the ocean lithosphere concerns spreading ridges, transform faults, processes in mid-ocean ridge magma chambers and ancient analogues within ophiolites, primarily in Cyprus and Oman. Members of this research theme work closely with various mineral and hydrocarbon resource companies.

Research topics central to the Solid theme include: ocean lithosphere processes, subsurface and mantle geodynamics and processes in mineral deposit formation. Members from the theme also work within the African continent group, a multi-disciplinary initiative promoting research and education in the geosciences.

**Living: Earth and Ocean Science**

Life evolved on Earth some 3.5 billion years ago and has had a significant influence on environmental conditions, which continue today. Rocks contain a unique archive of past ecosystems in their fossils, which we study to document the rich history of life on Earth and its environmental impact. The Living research theme studies biogeochemical processes today and the fossil inferences of their past roles. Life on Earth has co-evolved with the planet and without life our environment would be very different, for example, little oxygen, high CO2, high temperatures, highly reduced oceans and no oil or gas. Microbes drive many of the responsible biogeochemical cycles and we investigate the rates, controls, feedbacks and the organisms involved.

Key research topics within the Living theme include: geomicrobiology, microbial biogeochemistry, cold climates, ecosystems in deep time, plants and environmental dynamics and the taxonomy, stratigraphy, and evolution of marine microfossils.

**Changing: Earth and Ocean Science**

The Changing research theme investigates the causes and consequences of changes in the Earth system, in the ocean, atmosphere and on land, from the geological past into the present and future using a combination of field research, laboratory experimentation and numerical modelling. The emphasis is on understanding natural processes that cause changes on our planet and, in some cases, how human activity affects those processes and how they affect us, for example, landslips, coastal erosion and climate change. Research projects are underway all over the planet, from the oceans around Antarctica to forested mountains at the equator.

Research topics central to the Changing theme include: Earth surface processes, plants and environmental dynamics, cold climates, marine microfossils and palaeoclimate and climate systems. Members from this theme are also working within the African continent group.
What our students say . . .

Jess Cartwright

“Cardiff has afforded me unbelievable opportunities and experiences. The friendliness of the staff and students provided all the support I needed to get into the study abroad year at the university of my choice and with my third year in Miami came even more opportunities to travel the world and engage in research activities such as Scientific Diving I would never have thought possible. It is in this sector I dream of building my career.”

Max Wong

“The four years of the MESci Environmental Geoscience programme not only provided us with invaluable knowledge, skills and field experience, but also provided many challenges which prepared me for the tough and competitive environment of engineering consultancy and to be an engineering geologist in Hong Kong. I will never forget all the staff and lecturers who inspired us to follow our career goals.”

Charlie Kirkwood

“Studying Exploration and Resource Geology at Cardiff University was a fantastic experience. The staff are deeply knowledgeable and passionate about their subjects, and it was a pleasure to learn in such a stimulating environment. On top of an excellent education they were also able to provide me with industry links that kick-started my career. Cardiff itself is a great city in a top location: geology provides many opportunities to travel, but it’s always nice to have beaches and mountains on your doorstep too.”

James Davey

“Studying Exploration and Resource Geology at Cardiff University gave me the knowledge, skills and experiences that were key to standing out in an increasingly crowded graduate job market. Research placements with industry partners in the mineral exploration industry proved to be hugely beneficial experiences and allowed me to make contacts which continue to aid my career progression, several years after leaving Cardiff.”

Alex Biddle

“The staff at the School of Earth and Ocean Sciences always encouraged me, and helped shape me as an individual ready for the work environment. Although my career has led me down a path away from pure geology, the report writing, research and analytical skills I learnt during my undergraduate degree still provide the foundation for the work I do today. Without the teaching I received and the close relationships I had with my lecturers I would not be where I am today.”

Charlotte Humphrey

“Cardiff is a great city to be a student in with plenty of opportunities for working, leisure and to be a part of student activities and sports clubs. I enjoyed studying at the School of Earth and Ocean Sciences as I liked the choice of degree pathways and the option to change my pathway at any time, all courses were both research and industry-focused. There was a great range of exciting modules and options to add extra modules if interested to keep the study as broad or as focused as desired.”

Geological mapping training in Cyprus

Year one students in Snowdonia

Pembrokeshire field trip
The variety of modules I undertook whilst studying Marine Geoscience at Cardiff University have allowed me to gain employment in different sectors of the marine industry. I have worked in Madagascar, diving on coral reefs every day to gather data to aid their conservation, and currently I carry out coastal oceanographic and hydrographic surveys around the UK from a number of survey vessels. The fieldtrips throughout my degree were not only a highlight but helped me develop relevant skills such as communication, team work and data analysis to aid my career and increase my passion to work within the marine environment.

Kate McElligott

For me, the togetherness and family atmosphere of the Earth science courses was one of my most fond memories of university, and this extended throughout the various year groups, lecturers, society and sports teams of the Earth Department. I truly felt at home there. In addition, as a result of my Environmental Geoscience degree I find myself working in a very interesting, variable environment as an Environmental Consultant. This week alone I've worked on pipeline oil spills, water supply to nickel mines, and a risk assessment of an active refinery!

Sia Tanhai

“Cardiff University could not have provided me with a better environment to continue my academic studies and progress in my career. The Environmental Geoscience programme was so diverse, and enabled me to explore numerous elements of environmental sciences which in turn allowed me to pursue my studies in the field I was interested in, Environmental Hydrogeology, during both my undergraduate and my master’s degrees. Thanks to the incredible support of the lecturers and the confidence I developed through my time at Cardiff, I have been able to progress in my career within environmental consultancy and contracting, and am currently thoroughly enjoying in my role as Senior Remediation Consultant. I genuinely believe that without the supportive network and positive learning platform provided by the university during my four years of studies, I would not be where I am in my career today.”

Sarah Poulton

“A memorable event involving my year group as an undergrad was a Wednesday night towards the end of the 3rd year when almost the entire cohort of Cardiff geologists went to Clwb Ifor Bach until kicking out time, followed by a series of house parties. I got home some time around dawn. This camaraderie stemmed from the intensive nature of the undergraduate course where the significant contact hours, labs and fieldwork produced a sense of community that students on many other degree schemes tend not to experience.

The Earth science knowledge I gained at Cardiff has been very valuable in my career so far, varying from computer modelling to the subsidence effects of sediment loading in deltas and Antarctic ice sheets to natural hazard prediction. I think this is because most modern research and knowledge-lead business concerns complex systems; geology is a broad system science and touches on many other disciplines, such that the general skills of a geoscientist provide a significant advantage in the workplace. On the practical side, fieldwork and experience of presentation at conferences helped me build up the communication, team working and planning skills I now use on a daily basis.”

Martin Wolstencroft

“I work at Exploration Insights, Halliburton, as a Geoscientist and my current role involves product managing a new geological tool within the 3D software application DecisionSpace® Geosciences. This new tool is built upon some key stratigraphic principles that I first learnt about at Cardiff University and I have continuously utilised the software and geological skills that I developed from academia within my day-to-day work. Besides this, pursuing a research-based integrated masters has allowed me to fully prepare for going straight into the oil and gas industry.”

Phalene Gowling

www.cardiff.ac.uk/earth-ocean-sciences
Applications

To be considered for entry onto one of our degree programmes you should apply online via the UCAS website using the ‘UCAS Apply’ facility. To use this facility you need to log onto:
www.ucas.ac.uk/apply

The website will provide you with information on how to apply and explains the UCAS procedure.

Entry Requirements
For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Our typical offers are:

MESci (International):
A-level: AAB from three A-levels – at least two of which must be sciences.

International Baccalaureate: If taking two sciences at higher level: 34 points; or 6,5,5 from three higher level subjects, including a minimum of 5 points in each of the two higher level sciences.

If taking one science at higher level: 34 points; or 6,6,5 from three higher level subjects, including 5 points in 1 higher level science and 7 points in 1 standard level science.

WBQ: WBQ core will be accepted in lieu of one A-level, excluding the required science A-levels.

MESci:
A-level: ABB from three A-levels – at least two of which must be sciences.

International Baccalaureate: If taking two sciences at higher level: 32 points; or 6,5,5 points from three higher level subjects, including a minimum of 5 points in each of the two higher level sciences.

If taking one science at higher level: 32 points; or 6,5,5 from three higher level subjects, including 5 points in 1 higher level science and 7 points in 1 standard level science.

WBQ: WBQ core will be accepted in lieu of one A-level, excluding the required science A-levels.

BSc:
A-level: BBB from three A-levels – at least two of which must be sciences.

International Baccalaureate: If taking two sciences at higher level: 30 points; or 6,5,5 points from three higher level subjects, including a minimum of 5 points in each of the two higher level sciences.

If taking one science at higher level: 30 points; or 6,5,5 from three higher level subjects, including 5 points in 1 higher level science and 7 points in 1 standard level science.

WBQ: WBQ core will be accepted in lieu of one A-level, excluding the required science A-levels.

The School will consider combinations of qualifications which include both vocational and academic A-levels.

Equal Opportunities
Cardiff University is committed to promoting equality and diversity in all of its practices and activities, including those relating to student recruitment, selection and admission.

The University aims to establish an inclusive culture which welcomes and ensures equality of opportunity for applicants of all ages, ethnicities, disabilities, family structures, genders, nationalities, sexual orientations, races, religious or other beliefs, and socio-economic backgrounds. This commitment forms part of the Equality and Diversity Policy which is available at:
www.cardiff.ac.uk/cocom/equalityanddiversity/index

Applicants with Disabilities/Specific Needs
All offers to study at Cardiff University are made solely on the basis of academic merit. Where applicants have specific requirements that relate to a disability or medical condition, they are encouraged to discuss these with relevant staff in order that appropriate arrangements can be made to ensure the University provides an accessible environment. Specifically, applicants are invited to contact the Disability Adviser who can provide information about the applications procedure, course delivery and access to the physical environment. Where appropriate, informal visits can be arranged in which applicants can view accommodation and meet academic staff.

For further information please contact the Disability Adviser:
Tel: +44 (0)29 2087 4844
Email: disability@cardiff.ac.uk

Deferred Entry
The School has no objection to the possibility of deferred entry provided the intervening year is spent in a positive and worthwhile way. Application is made through UCAS in the usual way, although the UCAS application must show the deferred year of entry.

Tuition Fees and Financial Assistance
The University charges an annual fee which covers all tuition fees, registration and examinations other than the re-taking of examinations by students not currently registered. Please note charges for accommodation in University Residences are additional.

Please see the following website for more information: www.cardiff.ac.uk/fees

Scholarships and Bursaries
For more information please visit the following website:
www.cardiff.ac.uk/funding-ug

Useful websites for information about tuition fees and financial assistance:
Cardiff University website:
www.cardiff.ac.uk/fees
Student Support Centre website:
www.cardiff.ac.uk/financialsupport/index.html

Student Finance Wales:
www.studentfinancewales.co.uk

Student Finance England:
www.studentfinanceengland.co.uk

Student Loans Company:
www.slc.co.uk

Further Information
For further information, please email us at: earth-ug@cardiff.ac.uk or visit us at the Cardiff University School of Earth and Ocean Sciences website:
www.cardiff.ac.uk/earth-ocean-sciences

Admissions Office
School of Earth and Ocean Sciences
Cardiff University, Main Building, Park Place, Cardiff CF10 3AT
Tel: (029) 2087 4830
Fax: (029) 2087 4326
How to find the School
The School of Earth and Ocean Sciences is located in the Main Building which sits at the heart of the Cathays Park Campus, a short walk from the city centre. The Main Building is close to the Cathays railway station and is easily accessible from many of the University’s Halls of Residence.
To find out more about the School of Earth and Ocean Sciences please visit our website: [www.cardiff.ac.uk/earth-ocean-sciences](http://www.cardiff.ac.uk/earth-ocean-sciences)

**Student Bloggers**

From study tips to where to eat, to societies, weekend trips and where to get your books, our student bloggers are real students talking about the reality of being a student at Cardiff. Don’t miss their latest blogs for the chance to find out more about what it’s like to study and live in Cardiff.

[www.cardiff.ac.uk/studentbloggers](http://www.cardiff.ac.uk/studentbloggers)