WHAT DO OUR GRADUATES SAY?

“Through a variety of modules we were able to learn a great deal from enthusiastic lecturers about past climate and how it can be used as a reference to try and understand the complex set of Earth systems which will drive our future climate.

The interdisciplinary approach allowed us to make the link between the different sciences and showed how important it is to link these together if we are to get a more complete understanding of the Earth system.

The research project allowed us to focus on an aspect of the course which we had found particularly interesting, with a broad range of interesting and challenging topics available and enough time to fully research the topic.

The course prepared me perfectly for my career. I am able to use the climate modelling skills I learnt at Bristol on a daily basis modelling UK atmospheric emissions and interpreting their potential impacts and future trends. The research aspect of the course was ideal. It has allowed me to develop key skills, leading to my current position at the Centre for Ecology and Hydrology, letting me experience science outside of an academic setting, and seeing how it impacts on everyday life and scientific policy.”

Spatial Data Analyst and Research Associate at the Centre for Ecology and Hydrology, Edinburgh, part of the Natural Environment Research Council (NERC).
WHAT WILL I STUDY?

Awards available: MSc

Duration of programme: One year full time, two years part time

This programme will develop your understanding of Earth system science, equipping you with independent research and critical evaluation skills as you prepare for a future in either industry employment or further postgraduate training.

Individual research projects use the most advanced computational and analytical tools to address major scientific issues in climate change and explore the translation of those issues into policy.

The course also includes a literature review, and written and oral presentations. You will build your critical analysis, synthesis and communications skills - highly transferable skills that are invaluable to prospective employers.

Core topics include:

- Climate change science and its links to policy and policymakers
- Modelling of the Earth System, from simple box models to complex climate models
- Remote sensing of the environment and GIS
- Understanding past climate change and making predictions of future change
WHERE WILL IT LEAD?

Concern about global environmental change has never been greater. This Masters is tailored to meet the growing demand for strongly numerate and technically astute graduates in a challenging, policy-influencing domain.

Bristol is a hotbed of environmental technology and service companies. The University has strong connections with organisations across the sector, including with UK government departments such as the Environment Agency, the Department for Environment, Food and Rural Affairs (Defra), and the Department of Energy and Climate Change (DECC). Partnerships also exist with insurance and related companies, including Willis Re, Littlejohn, and Risk Management Solutions (RMS), through the Cabot Institute. For more details visit www.bristol.ac.uk/cabot/research

“Climate science now drives strategic thinking for both governments and industry and is a key component of the University of Bristol’s Cabot Institute. As members of the institute, students on the MSc in Climate Change Science and Policy will have access to world class academic expertise and be part of a vibrant intellectual community that will fundamentally change their world view.” Professor Paul Bates, Director of the Cabot Institute
Since 2009, Bristol scientists have been awarded more than £10 million to study aspects of climate science, with topics ranging from the impact of changes in the Asian monsoon system, to the long-term evolution of the Earth’s climate state, to forecasting the impact of ocean acidification on marine ecosystems.

Bristol’s Faculty of Science is one of the leading centres for scientific research and education in the UK, with an outstanding international reputation. With more than 700 postgraduate students from across the world, ours is an intellectually stimulating environment in which to expand your knowledge while gaining access to many of the University’s research centres and excellent facilities, including high-quality computing and information and library services which are vital for robust scientific enquiry. Our research attracts continual investment from the UK’s major research councils, as well as industry and charity.

The Cabot Institute carries out fundamental and responsive research on risks and uncertainties in a changing environment. The institute’s interests include natural hazards, food and energy security, resilience and governance, and human impacts on the environment. Research fuses rigorous statistical and numerical modelling with a deep understanding of interconnected social, environmental and engineered systems - past, present and future. By engaging with wider society and external stakeholders, our experts aim to develop a shared response to 21st Century challenges. Find out more at www.bristol.ac.uk/cabot.
CONTACTS

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Website: www.bris.ac.uk/geography/prospective-postgraduates

Admissions:
Postgraduate Admissions Office
Tel: +44 (0)117 928 8126
Email: science-pg-admissions@bristol.ac.uk
Details of how to apply are available at www.bristol.ac.uk/prospectus/postgraduate

Funding:
Student Funding Office
Tel: +44 (0)117 331 7972
Information about funding options for international students is available at www.bristol.ac.uk/international/scholarships
Further information about funding for UK students is available at www.bristol.ac.uk/studentfunding

International advice & support:
International Office
Tel: +44 (0) 117 954 5849
www.bristol.ac.uk/international/contact/

Bristol has an enviable heritage rich in the arts, culture, sport, festivals, eco-friendly credentials, tourist sights and shopping venues. Discover more about the city of Bristol at http://www.bristol.ac.uk/citybristol/

If you need part or all of this publication in an alternative format please contact the Public Relations Office on +44 (0)117 928 8895.

Front cover image: view of the Northern Hemisphere from space

The information contained in this leaflet is correct at the time of printing. Programmes and facilities may be altered or withdrawn at the University’s discretion.