

Key Skills

- Maths knowledge
- Excellent science skills
- knowledge of geography
- knowledge of physics
- the ability to work well with others
- to be thorough and pay attention to detail
- knowledge of computer operating systems, hardware and software
- to be able to use a computer and the main software packages confidently

Salary

£15,609 - £55,000

Working hours

37 – 40 hours a week
Usually between
8am-6pm

Climatologist

University

You could do a degree or postgraduate qualification in a relevant subject like:

- Environmental Science or Ecology
- Geography, Earth Sciences or Geology
- Physics
- Maths and Statistics
- Oceanography or Marine Science
- Meteorology and Climate Science
- Computer Science

Entry requirements

You'll usually need 2 to 3 A Levels, including Maths and a Science for a degree

Post 16 studies

You will need a strong background in Maths, Science and Geography. It would help to study these subjects at A Level or BTEC

Career path and progression

Look at progression in this role and similar opportunities.

- ✓ Specialise in an area of climate science, for example polar research, rainfall patterns or ocean changes
- ✓ Teaching at a university
- ✓ Palaeoclimatologist, studying historic variations in climate
- ✓ Consultant for science publishers or broadcasters

Work experience

You can get work experience through internships, placements or a year in industry during your course. This may help you to identify your area of interest for research. For example, the Met office runs both summer placement and year in industry schemes

Top Tips

You may be able to apply for chartered environmentalist status. You can find out more about being a chartered environmentalist from the Society for the Environment

Day to Day tasks:

- advise policy makers
- teach or lecture in education
- monitor ice, sea levels and temperatures
- attend conferences and publish research findings
- design and build scientific instruments and sensors
- gather and analyse data from the atmosphere, oceans and land
- create computer models to simulate the effects of climate change
 - look at how global climate affects regional weather
- study past climates to understand what might happen in the future

Working conditions

Your working environment may be outdoors some of the time. You could also work in a laboratory, at a university or visit sites

Labour Market Information

In the Careers section of the school website you can find the useful comparison tool the 'Labour Market Information widget'.

Use the widget to compare different job roles in any employment sector or relating specifically to the 'Job of the Week'.

Natural and social science professionals n.e.c.

Weekly Pay £840	Annual Pay £43,680
Hours/Week 41h	Hourly Pay £20

Workforce Change (projected)

Growth 4.2%	Replacement 39.6%
-----------------------	-----------------------------

The workforce is projected to grow by 4.2% over the period to 2027, creating 1,900 jobs. In the same period, 39.6% of the workforce is projected to retire, creating 18,000 job openings.

You might find this job in
Education
Scientific research
Public admin. & defence
Office admin.

[More info](#)

[Clear card](#)

Conservation and environmental associate professionals

Weekly Pay £470	Annual Pay £24,440
Hours/Week 36h	Hourly Pay £13

Workforce Change (projected)

Growth 5%	Replacement 49.8%
---------------------	-----------------------------

The workforce is projected to grow by 5% over the period to 2027, creating 500 jobs. In the same period, 49.8% of the workforce is projected to retire, creating 5,200 job openings.

You might find this job in
Sport & recreation
Libraries, etc
Agriculture, etc

[More info](#)

[Clear card](#)

Higher education teaching professionals

Weekly Pay £1,210	Annual Pay £62,920
Hours/Week 35h	Hourly Pay £35

Workforce Change (projected)

Growth 8%	Replacement 59.8%
---------------------	-----------------------------

The workforce is projected to grow by 8% over the period to 2027, creating 14,500 jobs. In the same period, 59.8% of the workforce is projected to retire, creating 108,500 job openings.

You might find this job in
Education
Scientific research
Services to buildings

[More info](#)

[Clear card](#)

Labour Market Information

Higher education teaching professionals

Higher education teaching professionals deliver lectures and teach students to at least first degree level, undertake research and write journal articles and books in their chosen field of study.

Common tasks in this job:

- prepares, delivers and directs lectures, seminars and tutorials;
- prepares, administers and marks examinations, essays and other assignments;
- advises students on academic matters and encourages independent research;
- provides pastoral care or guidance to students;

Back

Clear card

Natural and social science professionals n.e.c.

Jobholders in this unit group perform a variety of scientific research and related activities not elsewhere classified in MINOR GROUP 211. Natural and Social Science Professionals

Common tasks in this job:

- plans, directs and undertakes research into natural phenomena;
- provides technical advisory and consulting services;
- designs tests and experiments to address research objective and find solutions;
- applies models and techniques to medical, industrial, agricultural, military and similar applications.

Back

Clear card

Conservation and environmental associate professionals

Conservation and environmental associate professionals are responsible for the day-to-day running and management of areas of the countryside and the wider environment in a way that reconciles the interests of conservation, land owners and the public. They carry out practical conservation activities and assist in promoting awareness of the natural environment.

Common tasks in this job:

- assists with ecological surveys to identify plant and animal species, map their habitat and draw up conservation plans;
- implements schemes for the management and protection of natural habitats;
- assists with environmental audits and impact assessments;
- organises and supervises conservation projects and the work of part-time and voluntary staff;

Back

Clear card

Keep looking...

Use these links to learn more about our Job of The Week, consider the various pathways leading to the career, what you can be doing now to help yourself and other roles in the industry...

Useful Websites

[Search – UCAS](#)

[Home – Climate Change: Vital Signs of the Planet \(nasa.gov\)](#)

[Climatology | National Geographic Society](#)

[Climate scientist | Explore careers | National Careers Service](#)

[Climate Scientist | My World of Work](#)

[Climate scientist - career guide and latest jobs \(sortyourfuture.com\)](#)

Take a look at these short videos for inspiration...

Choosing Climatology
as a Profession



<https://www.youtube.com/watch?v=KJn5TRhQwP8>

99 Seconds. Climate
Scientist



<https://www.youtube.com/watch?v=MMBODIHAF9U>

What is a Climatologist?



<https://www.youtube.com/watch?v=94Lxk8PER8>

Introduction to Climatology



<https://www.youtube.com/watch?v=1afyKdoXRm4>

Aspire | Challenge | Achieve