# See the source image**Job title: Climate Scientist**

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| **Job title: Climate Scientist** Climatologist  | Climate scientists study the influences on the Earth's climate over time and how these might affect it in the future |
| **Entry requirements:**  | **University:**You can do a degree or postgraduate qualification in:* environmental science
* geography
* physics
* maths and statistics
* oceanography
* meteorology and climate science
* computer science

You'll usually need:* 3 A levels including maths and a science subject
* a degree in a relevant subject for postgraduate study

**Volunteering and Experience:**You could get work experience through an [internship or work placement](https://www.metoffice.gov.uk/about-us/careers/graduates-and-placements). This would give you an insight into the different types of work you can do as a climate scientist. |
| **Skills required:**  | You'll need:* maths knowledge
* knowledge of geography
* knowledge of physics
* excellent verbal communication skills
* science skills
* knowledge of computer operating systems, hardware and software
* the ability to work well with others
* to be thorough and pay attention to detail
* to be able to use a computer and the main software packages confidently
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| **What you'll do:**  | Your day-to-day tasks may include:* gathering and analysing data from the atmosphere, oceans and land
* creating computer models to simulate the effects of changes to climate
* designing and building scientific instruments and sensors
* studying past climates to understand what might happen in the future
* monitoring ice packs, sea levels and temperatures
* looking at how global climate affects regional weather patterns
* attending conferences and publishing research findings
* investigating ways to tackle climate change
* advising policy makers
* teaching
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| **What you’ll earn:**  | £27,000 Starter *to* £55,000 Experienced |
| **Working hours, patterns and environment:** | * 37-42 hours per week
* You could work between 8am and 6pm
* You could work in a laboratory or at a university.
* Your working environment may be outdoors some of the time.
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| **Career path and progression:** | You could specialise in an area of climate science, for example polar research, rainfall patterns or ocean changes. You might do this through research and teaching at a university, or by working for a government department.You could also work as a palaeoclimatologist, studying previous variations in climate and how the Earth adapted to these.Other career options include working as a consultant for science publishers or broadcasters. |