# 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 |
| **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 |
| **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. |
| **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. |