

Job title: Climate Scientist



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:	<p>University:</p> <p>You can do a degree or postgraduate qualification in:</p> <ul style="list-style-type: none"> • environmental science • geography • physics • maths and statistics • oceanography • meteorology and climate science • computer science <p>You'll usually need:</p> <ul style="list-style-type: none"> • 3 A levels including maths and a science subject • a degree in a relevant subject for postgraduate study <p>Volunteering and Experience:</p> <p>You could get work experience through an internship or work placement. This would give you an insight into the different types of work you can do as a climate scientist.</p>
Skills required:	<p>You'll need:</p> <ul style="list-style-type: none"> • 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:	<p>Your day-to-day tasks may include:</p> <ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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:	<p>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.</p> <p>You could also work as a palaeoclimatologist, studying previous variations in climate and how the Earth adapted to these.</p>

	Other career options include working as a consultant for science publishers or broadcasters.
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