Meteorology

The study of the atmosphere and atmospheric phenomena

Possible Employers

West Indies Caribbean Institute for Meteorology and Hydrology

Caribbean Institute for Meteorology and Hydrology

Barbados

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Meteorological Offices, University of the West Indies, Caribbean Institute for Meteorology and Hydrology

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What is a Meteorologist?

A meteorologist is a person with a specialized education which allows them to use scientific principles to explain, understand, observe and forecast the Earth's atmospheric phenomena and/or how the atmosphere affects the Earth and life on the planet. This scientific knowledge can be easily coupled with the social sciences such as law and policy. There are several aspects of Meteorology and thus one can find many careers within the field.

**Careers in Meteorology**

There are numerous careers awaiting those trained in Meteorology in the private and public sectors alike. A person pursuing a career in this discipline should possess good written and verbal communication skills, a strong background in Physics, Mathematics, and an understanding of Geology, Geography, Computer Science and Chemistry will be useful.

Here are a few of the popular aspects of Meteorology:

- Forecasting and Monitoring
- Atmospheric Science
- Applications of Meteorology
- Agrometeorology
- Climatology
- Computer Modeling

**What will the work entail?**

Field work: taking observations on land, in the atmosphere and sometimes in water. Office work: turning data collected into products, research, quality assurance of data.

**Qualifications**

CXC Mathematics, English, and the Sciences for entry positions

CAPE Mathematics, Physics, Geography, Chemistry for mid-technician positions

Technical courses following World Meteorological Organization guidelines for technician positions

Bachelors of Science in Meteorology, Atmospheric Sciences

Masters of Science in a related specialized field

Doctor of Philosophy in Meteorology, Atmospheric Sciences and/or related sciences.

Meteorology offers a variety of interesting and challenging career choices for today and tomorrow. It is a field worth considering!