



# Meteorology

Degree: Bachelor of Science

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## *Introduction*

Meteorologists are scientists that deal with the Earth's atmosphere. Their professional work may include the study of weather and climate, as well as environmental issues such as ozone depletion, climate change, and air pollution. To be a meteorologist requires strong background in mathematics and the physical sciences.

The Department of Earth Sciences offers a degree program in meteorology modeled on the recommendations of the American Meteorology Society.

## *What are some of the job tasks?*

- Analyze atmospheric gases
- Interpret radar and satellite images and data
- Model weather using computers
- Monitor air pollution
- Monitor and forecast daily weather
- Research and track severe systems

## *What are some desirable personal qualities?*

- Ability to work with a team
- A good sense of observation
- Curiosity and an analytical mind
- Good problem-solving skills

## *Additional information*

Experience acquired through internships or cooperative education programs can prove valuable in obtaining full-time employment after graduation.

Individuals interested in pursuing careers in research and development generally need graduate degrees.

## *What are some potential occupations?*

Agricultural Meteorologist  
Air Pollution Specialist  
Aviation Meteorologist  
Climatologist  
Operational Meteorologist  
Physical Meteorologist

## *Who hires?*

### **Private Sector**

- Aerospace Firms
- Airlines
- Colleges and Universities
- Private Consulting Firms
- Radio Stations
- Scientific Instrumentation  
Manufacturers
- Television Stations
- Mining Companies

### **Public Sector**

- Bureau of Land Management
- Colleges and Universities
- Department of Agriculture
- Department of Defense/Military
- Department of Energy
- Department of Transportation
- Many State-Level Environmental  
and Health  
Agencies
- National Forest Service

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