

BACHELORS CLIMATE & METEOROLOGY

CAREER OPTIONS**

- Atmosphere
- Astronomy
- Broadcast Media Industry
- Business Consulting
- Climate Change
- Federal Government
- Meteorology
- Planetary Sciences
- Scientific Research Labs
- Space Sciences
- Space Weather
- Technical Consulting

SAMPLE HIRING COMPANIES*

- Argonne National Lab
- Bank of America
- Gro Intelligence
- NOAA
- Old Mission Capital
- Pennsylvania State Univ.
- UNAVCO

SAMPLE JOB TITLES**

- Atmospheric Chemist
- Atmospheric Scientist
- Climatologist
- Meteorologist
- Planetary Scientist
- Risk Management Specialist
- Space Engineer
- Weather Analyst

INTERN HOURLY SALARY*

AY 2021 - 2023

Average: \$24.66

Min	Median	Max
\$15	\$20.32	\$43

*Source: ECRC Employment Data from Academic Years 2018-2023

**Source: majors.engin.umich.edu/program/climate-meteorology/

Data is subject to availability. At least 4 data points are required to publish salary data.
Visit career.engin.umich.edu/career/salary-info for more comprehensive data.

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SAMPLE ELEVATOR PITCH

Hi, my name is [NAME] and I'm a senior studying climate and meteorology. I am seeking an full-time job as a hurricane scientist.

I recently interned at NOAA where I analyzed extreme flooding events over the past 100 years to provide recommended mitigation techniques. On campus, I am part of the student organization, Climate Blue, where I plan a public symposia that summarizes climate policy and opinions from the UN Climate Change Conference.

My passion for solving technical challenges and leading others has prepared me for a role at your company. Can you tell me more about the role?

SAMPLE IMPACT STATEMENT

Before - Analyzed weather front data.

After - Analyzed historic topography, wind patterns and weather systems of the atmosphere to predict the timing of system anomalies.

KEY COURSES

CLIMATE 321 - Earth and Space System Dynamics; explains the major wind systems and ocean currents pertaining to climate studies.

CLIMATE 410 - Earth System Modeling; discusses energy balance & carbon models to apply on a larger scale

CLIMATE 423 - Data Analysis & Visualization; uses Python to perform fundamental data analysis techniques

CLIMATE 440 - Meteorology Analysis Laboratory; analyzes surface & remote sensing meteorological data

CLIMATE 473 - Climate Physics; introduction to physical processes that determine climate

KEY SKILLS

Python - coding language used to process data sets

GIS - used to map large data sets geographically

MATLAB - coding language used to process and visualize data sets

Understand the Earth's climate and weather and apply this knowledge to solve complex societal problems

SAMPLE EXTRACURRICULARS

Michigan Geophysical Union

GUS_tO - Graduate Undergraduate Student Organization in CLaSP

American Meteorological Society

United Nations Climate Change Conference

Student Engagement - Climate Blue, Greenland Expedition, Tornado Camp