ENGINEERING CAREER RESOURCE CENTER
UNIVERSITY OF MICHIGAN

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

INTERN HOURLY SALARY^

Average

$25.49

Min	Med	Max
$15	$24.84	$43

COMPANIES TO EXPLORE*^

- Argonne National Laboratory
- Bank of America
- Ford Motor Company
- Gro Intelligence
- Guidehouse
- JPL
- Leosphere
- meteoblue
- NASA
- National Center for Atmospheric Research
- National Oceanic and Atmospheric Administration
- National Weather Service
- Pennsylvania State University
- Ubimet
- UNAVCO

SAMPLE JOB TITLES*^

- Atmospheric Chemist
- Atmospheric Scientist
- Climate Impacts Data Scientist
- Climatologist
- Meteorologist
- Planetary Scientist
- Research Assistant
- Risk Management Specialist
- Space Engineer
- Sustainability Consultant
- Weather Analyst

*Source: majors.engin.umich.edu/program/climate-meteorology/
^Source: ECRC Employment Data from Academic Years 2022-2024.
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 ECRC data.

career.engin.umich.edu
ecrc-info@umich.edu
734-647-7160

BACHELORS

CLIMATE & METEOROLOGY

SAMPLE ELEVATOR PITCH

Hi, my name is [NAME] and I'm a [YEAR] 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?

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; discuses 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

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 SKILLS

Python: Coding language used to process data sets

GIS: Used to map large data sets geographically

MATLAB: Coding language used to processand visualize data sets

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

SAMPLE EXTRACURRICULARS

Student Organizations: Michigan Geophysical Union, GUStO - Graduate Undergraduate Student Organization in CLaSP, American Meteorological Society, United Nations Climate Change Conference

Student Engagement: Climate Blue, Greenland Expedition, Tornado Camp

QUESTIONS?

Want to learn more information?

Contact us at: ecrc-info@umich.edu

Schedule an appointment: careerforge.com/login