

What you can do with your **ATMOSPHERIC AND OCEANIC SCIENCES MAJOR**



Major Skills:



Problem Solving

You can describe a problem, identify the required information to solve that problem; formulate and interpret solutions to that problem using appropriate analytical and/or computational techniques; and find connections between physical processes.



Experimental Design & Measurement

You are able to design experiments or studies to answer specific questions, properly use standard and specialized instrumentation to make measurements, and quantitatively estimate the reliability of results.



Critical Thinking

You can define and analyze problems; identify factors that contribute to outcomes; recognize patterns and analyze connections to use them to make informed decisions and conclusions.



Computational & Data Analysis

You can collect and organize quantitative and qualitative data, test scientific hypotheses using these data, and learn how to properly interpret statistical analysis.



Data Modeling & Prediction

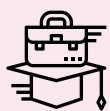
You can build and interpret mathematical models of earth system data using scientific computing methods and developing predictions and projections of future weather and climate.



Written & Oral Communications

You can communicate concepts and results effectively with scientific peers and broader audiences, both orally and in writing.

Supplement Your Skills With:



Gain Experience:
Research, Internships,
Part-Time Work, Data
& Forecasting Contests



**Attendance and
Participation in Professional
Organizations, Seminars,
and Colloquia**



**Career & Self
Development**



**Oral & Written
Communication With
the Public**



**Experience Fostering
Professional Equity &
Inclusion**

**What You
Can Do
NOW**

Activate Your Handshake Account

for connections to jobs,
internships, employer &
alumni networking.

Explore Career Communities

to discover a wide variety of
fields where you can turn your
major into success.

Get Career & Internship Advising

from SuccessWorks to make a
plan, whether you're a first-year
student or about to graduate.

Get Started: successworks.wisc.edu

Put your Atmospheric and Oceanic Sciences major to **WORK**

Frequent Job Titles of Alumni

- Meteorologist/Weather Forecaster
- Research Scientist
- Business Owner/Founder
- Software Engineer
- Chief Executive Officer
- Director of Finance
- Executive Director
- President
- Account Manager
- Data Scientist
- Principal Consultant
- Project Manager
- Researcher
- Airline Pilot
- Energy Analyst



Top Employers of Alumni:

1. National Weather Service
2. IBM
3. National Oceanic & Atmospheric Administration (NOAA)
4. United States Air Force
5. DTN
6. National Aeronautics and Space Administration (NASA)
7. Avmet Applications Inc.
8. AT&T
9. Alliant Energy
10. Capspecialty
11. Consortium for Ocean Leadership
12. Epic
13. Kroger
14. KTTC TV
15. Opterixx
16. Southwest Airlines
17. Thrivent v
18. UPS
19. UW Health
20. 15th Operational Weather Squadron

Post-Graduation Plans 2016-2021:

- 59%** Employment
- 33%** Continuing Education
- 4%** Military Service
- 2%** Volunteer/Service Program
- 2%** Other

Industry of Employment 2016-2021:

1. Education
2. Services
3. Media
4. Transportation & Logistics
5. Defense & Space
6. Government
7. Hospitality
8. Information Technology
9. Retail

Where Alumni Live & Work:

- 29%** Wisconsin
- 8%** Minnesota
- 6%** Illinois
- 5%** California
- 5%** Colorado
- 47%** Other



"The problem-solving and reasoning skills I acquired from my major are used the most. From designing lessons that blend together well, to helping students prioritize work, I am using skills that were forged through my time in AOS."

Matthew Lane, 2018
High School Math Teacher,
Middleton - Cross Plains School District
Madison, WI



"Even if you don't enter a career in AOS after completing your degree at UW-Madison, you will use your communication skills with your colleagues or the public. Additionally, your strong computer programming and mathematics skills will make you marketable after school."

Zachary Handlos, 2010
Senior Academic Professional, School of Earth and
Atmospheric Sciences, Georgia Institute of Technology
Atlanta, GA

Career Communities for Atmospheric and Oceanic Sciences Majors

SuccessWorks has eight Career Communities to connect you with career advising, resources and programs. Here are a few suggestions on where Atmospheric and Oceanic Sciences majors can start.

- Environment, Natural Resources & Wildlife
- Government, Policy, International Affairs & Law
- Technology, Data & Analytics
- Scientific Research & Development

Not inspired by these options? Visit SuccessWorks to explore more widely.

successworks.wisc.edu