



ATMOSPHERIC
SCIENCE

Graduate Student

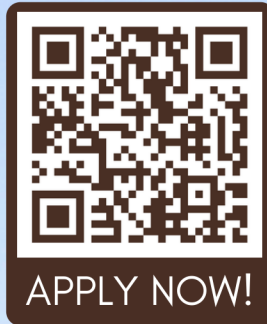
OPPORTUNITIES

FIND US ONLINE!

For more information, visit our website:

UWYO.EDU/ATSC

If you have any questions about our graduate program, please reach out to our graduate coordinator (atsc-gradcoord@uwyo.edu)



WHO ARE WE?

The Department of Atmospheric Science financially supports 25-30 graduate assistants. Students have the opportunity to work closely with their professors on research including:

- Cloud Microphysics and Dynamics
- Climate
- Carbon Cycle
- Aerosols and Air Quality
- Instrument Development and Characterization
- Numerical Model Development
- Mesoscale and Boundary-Layer Dynamics

Our graduates experience excellent job placement in industry, education, and government.

DEGREES OFFERED

M.S. - 26 hours of coursework and a minimum of 4 thesis research hours.

Ph.D. - 72 hours with a minimum of 42 hours of coursework. A maximum of 48 hours (including 4 thesis research hours) may be transferred from another institution.

Student tuition and one of the most generous stipends in atmospheric science are paid through research grants from the department.





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APPLY NOW!

MOBILE LAB

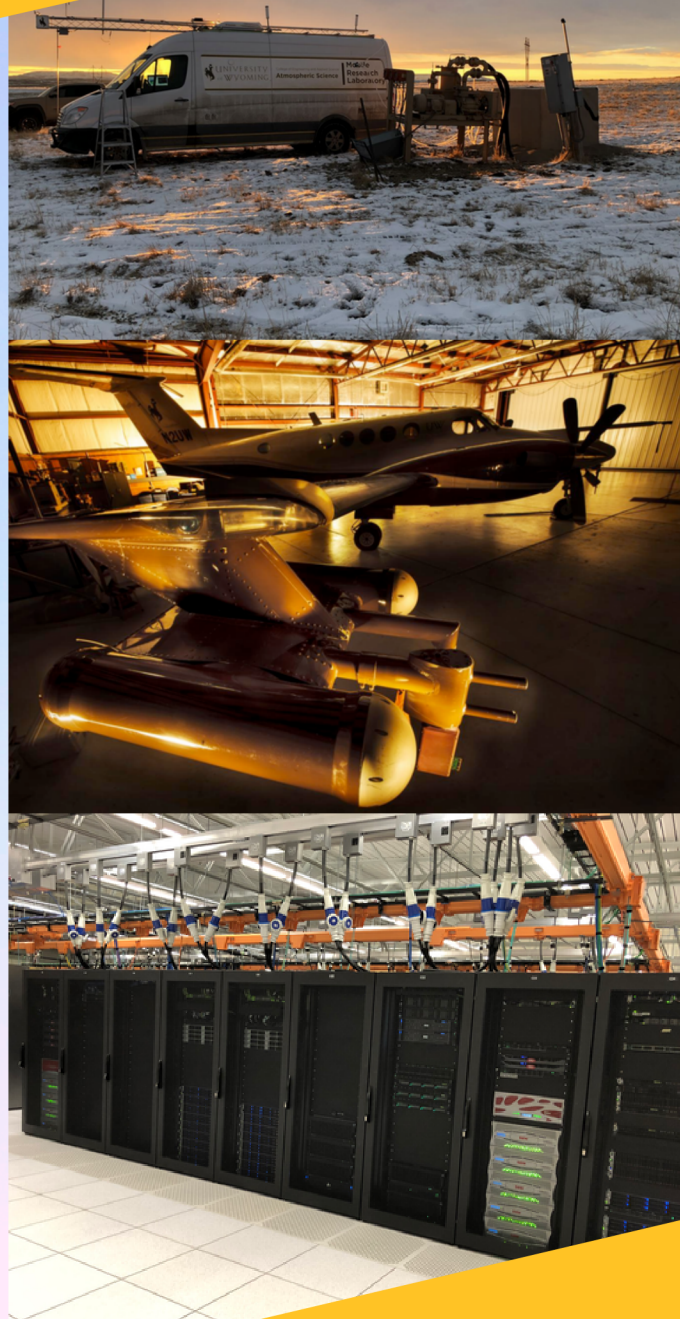
Study how trace gases and aerosol – from sources like oil and gas extraction and wildfires – affect climate, air quality and human health. The base vehicle sports a 13-foot mast that includes wind, temperature and pressure measurements as well as a gas inlet. Trace gas sensors detect carbon dioxide, methane and other gases. In addition, a proton transfer time-of-flight mass spectrometer measures toxic air hazards.

RESEARCH AIRCRAFT

Learn hands-on with our King Air research aircraft, part of the National Science Foundation Lower Atmosphere Observing Facilities. Our brand new King Air 350 can take measurements of cloud and precipitation processes, atmospheric dynamics, wildfire smoke, air quality and greenhouse gas emissions anywhere in the world. It includes state-of-the-art remote sensing equipment, such as the Wyoming Cloud Radar and Lidar.

NCAR-WYOMING SUPERCOMPUTING CENTER

Link observational capabilities to prediction through the NCAR-Wyoming Supercomputing Center. Ranked among the fastest supercomputers in the world, our students and faculty enjoy privileged access to the center's resources to study weather, climate and many other features of the Earth system.



GRADUATE STUDENT LIFE

We are located in Laramie, WY – a vibrant college town in the Rocky Mountains. The outdoors are just minutes away. Hiking, climbing, skiing – it's all right here! We strive to create an environment that fosters diversity, equity, and inclusion. Our student stipend adjusted for cost of living is ranked in the top 5 in atmospheric science as reported in the Bulletin of the American Meteorological Society (Card et al., 2020).

Card, D. R., et al. (2020). The Financial Dilemma of Students Pursuing an Atmospheric Science Graduate Degree in the United States, Bulletin of the American Meteorological Society, 101(9), E1524-E1536.

