

# ATMOSPHERIC SCIENCE

## TYPICAL STUDENT...

- ◆ Enjoys investigative research
- ◆ Excels at practical, hands-on problems and solutions
- ◆ Pays close attention to details
- ◆ Values integrity
- ◆ Thinks analytically
- ◆ Is dependable and responsible
- ◆ Works with a cooperative attitude
- ◆ Communicates effectively
- ◆ Manages stress well

## INSIDER INFORMATION

- ◆ Small class sizes
- ◆ 4:1 student-to-professor ratio
- ◆ Small professor-to-student and student-to-advisor ratios allow for strong long-term relationship building
- ◆ Strong science foundation
- ◆ Students use the science behind how the atmosphere works to determine impacts on weather patterns
- ◆ Required research helps gain experience and builds resume prior to graduation
- ◆ Flexible plan of study allows for study abroad
- ◆ Undergraduate research and honors opportunities in a variety of areas

## CONTACT US

### EARTH, ATMOSPHERIC, AND PLANETARY SCIENCES DEPARTMENT

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## COURSEWORK

### EAPS COURSES

- ◆ Earth Systems (EAPS 10000-level)
- ◆ EAPS 11700: Intro to Atmospheric Science
- ◆ EAPS 32000: Physics of Climate
- ◆ EAPS 42100: Thermodynamics
- ◆ Atmospheric Dynamics 1 + 2
- ◆ Synoptic Lab 1 - 3
- ◆ EAPS 53200: Atmospheric Physics
- ◆ EAPS 50900: Data Analysis in Geosciences
- ◆ EAPS 49700: Undergraduate Research

### OTHER COURSES

- ◆ Calculus 1-3 (MA 16100/16500 + 16200/16600 + 26100)
- ◆ MA 266: Differential Equations
- ◆ General Chemistry (CHM 11500 + 11600)
- ◆ Physics (PHYS 17200 + 27200)
- ◆ Computer Programming
- ◆ Statistics
- ◆ Written Communication and Presenting
- ◆ Foreign Language
- ◆ Humanities
- ◆ Great Issues in Science

## MEDIAN ANNUAL SALARY

(All degree levels)

**\$83,780**

## JOB OUTLOOK

Projected Growth (2022-2032)  
– (4%)

Projected Growth in Job  
Openings (2022-2032) – 900

## TOP INDUSTRIES

Professional, Scientific, and  
Technical Services

Government

Sources:

American Geosciences Institute  
Bureau of Labor Statistics

## CAREER AREAS

Meteorologist

Climate Change  
Modeler

Air Pollution Monitor  
Aviation Technology &  
Weather Support

Science and Operations  
Officer

Forensic Meteorologist