Atmospheric Science

Earth Atmospheric Planetary Sciences

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

Coursework

EAPS COURSES

- Earth Systems (EAPS 100-level)
- EAPS 117: Intro to Atmospheric Science
- EAPS 320: Physics of Climate
- EAPS 421: Thermodynamics
- Atmospheric Dynamics 1 + 2
- Synoptic Lab 1 – 3
- EAPS 532: Atmospheric Physics
- EAPS 509: Data Analysis in Geosciences
- EAPS 497: Undergraduate Research

OTHER COURSES

- Calculus 1-3 (MA 161/165 + 162/166 + 261)
- MA 266: Differential Equations
- General Chemistry (CHM 115 + 116)
- Physics (PHYS 172 + 272)
- Computer Programming
- Statistics
- Written Communication and Presenting
- Foreign Language
- Humanities
- Great Issues in Science

MEDIAN ANNUAL SALARY

(All degree levels)

$89,820

JOB OUTLOOK

Projected Growth (2014-2024) – faster than average (9%)
Projected Growth in Job Openings (2014-2024) – 1,100

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

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PURDUE SCIENCE