ATMOSPHERIC SCIENCE MINOR

Banner Code: ATMS

Academic Advising

Email: bsatmos@gmu.edu
Website: science.gmu.edu/academics/departments-units/atmospheric-oceanic-earth-sciences/majors-minors

Topics of study in this minor include weather forecasting, climate change, and the predictability of coupled ocean-atmosphere-land-variations. Students in physics, math, engineering, and computational sciences may be particularly attracted to this minor because it provides a compelling application of the fundamental methods of analysis learned in their major. Such students are ideal candidates for research in atmospheric science and climate dynamics; the minor will facilitate entry into graduate studies in these fields.

Students in Earth science, geography and geoinformation science, and environmental science may find this minor useful because the atmosphere is an important influence on geography, ecosystems, geological strata, and plays an important role in global change.

This is a Green Leaf program (https://catalog.gmu.edu/student-services/green-leaf-programs-courses/).

Admissions & Policies

Policies

Eight credits of coursework must be unique to the minor and students must complete all coursework with a minimum GPA of 2.00. For policies governing all minors, see AP.5.3.4 Minors (https://catalog.gmu.edu/policies/academic/undergraduate-policies/#ap-5-3-4).

Requirements

Minor Requirements

Total credits: 17

This is a Green Leaf program.

Students should refer to the Admissions & Policies tab for specific policies related to this program.

Core Courses

Code	Title	Credits
CLIM 101	Global Warming: Weather, Climate, and Society (Mason Core) (https://catalog.gmu.edu/mason-core/)	3
CLIM 111	Introduction to the Fundamentals of Atmospheric Science (Mason Core) (https://catalog.gmu.edu/mason-core/)	3
CLIM 112	Introduction to the Fundamentals of Atmospheric Science Lab (Mason Core) (https://catalog.gmu.edu/mason-core/)	1
CLIM 301	Weather Analysis and Prediction	4
Total Credits		**11**

Electives

Code	Title	Credits
Select 6 credits from the following:		6
CLIM 314	Severe and Extreme Weather	
or GGS 314	Severe and Extreme Weather	
CLIM 408	Senior Research (Mason Core) (https://catalog.gmu.edu/mason-core/)	
CLIM 412	Physical Oceanography	
CLIM 438	Atmospheric Chemistry	
or CHEM 438	Atmospheric Chemistry	
PHYS 475	Atmospheric Physics	
Total Credits		**6**