ATMOSPHERIC SCIENCES MINOR

Atmospheric and Oceanic Science (AOSC)
3417 Atlantic Building
Phone: 301-405-5391
http://aosc.umd.edu

Program Directors: T. Canty, Ph.D. and A. Jones, Ph.D.

This minor will provide a general background in meteorology as offered by the lower level courses, and a solid background in atmospheric physics (AOSC431) and atmospheric dynamics (AOSC432), as offered by two required courses. It is aimed at non-majors who might consider graduate work in meteorology, or prepare them for the very favorable job market in the Washington, D.C. area, where a background in meteorology can be an important asset. Students attempting this minor will need a strong background in mathematics, physics and chemistry at the level of MATH240 or MATH461, PHYS270 and PHYS271; CHEM135 (preferred) or CHEM131, which are prerequisites for the required courses. Students interested in taking this minor program should contact the undergraduate advisor in the Department of Atmospheric and Oceanic Science for advising. This minor is not open to students who major in Atmospheric and Oceanic Sciences.

REQUIREMENTS

This minor will require 15 credits. All courses presented for the minor must be passed with a grade of "C-" or better.

Course	Title	Credits
Select two of the following electives:		6
AOSC123	Causes and Consequences of Global Change	
AOSC200	Weather and Climate	
AOSC400	Physical Meteorology	
The following two courses are required:		
AOSC431	Atmospheric Thermodynamics	3
AOSC432	Dynamics of the Atmosphere and Ocean	3
One elective from:		
Other 400 level courses offered in the Department of Atmospheric and Oceanic Science on a regular basis, or from a list of non-permanent electives that will be offered by research scientists, regular faculty from Atmospheric and Oceanic Science, or members of the Earth System Science Interdisciplinary Center (ESSIC)		3
Courses offered by the Departments of Geology and Geographic Sciences, such as:		
GEOL437	Global Climate Change: Past and Present	
GEOL452	Watershed and Wetland Hydrology	
GEOG472	Remote Sensing: Digital Processing and Analysis	
Total Credits		**15**

ADVISING

Students are only required to meet with an advisor when ready to declare the minor. Students may meet with an advisor at any time by reaching out to aosc-advise@umd.edu. Other questions about advising or adding the Atmospheric Sciences minor can also be directed to aosc-advise@umd.edu.