

METEOROLOGY, MINOR

Saint Louis University's minor in meteorology introduces students to approaches, tools and data used by meteorologists. A minor in meteorology is a good option for students who will have direct interactions with meteorologists, including students in aviation, civil engineering, business and pre-law. Students pursuing a career in broadcasting may also consider a minor in meteorology to gain experience in broadcast meteorology.

Meteorology is more than just the study of weather; it includes all of the atmosphere's characteristics, structures and processes. Basic principles of physics and chemistry are applied to discover what makes the atmosphere work. Mathematical equations and techniques are used to predict the weather based on present conditions. Recently, meteorology has become increasingly vital to humankind's concerns. Ozone depletion and global warming have been identified as threats to human existence on earth. Meteorologists are on the front lines of the battle to learn more about and model these phenomena.

A fascination with the atmosphere and the vast range of phenomena that it generates is critical to success in the program. Students pursuing a minor in meteorology will have direct interactions with our faculty and opportunities to engage with professional meteorologists from both the National Weather Service and the broadcasting industry.

Requirements

Code	Title	Credits
Required Courses		
EAS 1420	Introduction to Atmospheric Science	3
EAS 1700	Weather Briefing	1
EAS 2440	Atmospheric Processes and Systems	3
EAS 2530	Fundamentals of Climate Systems	3
MATH 1510	Calculus I	4
MATH 1520	Calculus II	4
Science Requirement		
Select one of the following:		4
PHYS 1610 & PHYS 1620	University Physics I and University Physics I Laboratory	
PHYS 1310 & PHYS 1320	Physics I and Physics I Laboratory	
PHYS 1350	Aviation Physics	
Minor Elective Courses		
Select three of the following:		9
EAS 3150	Broadcast Meteorology I	
EAS 3330	Physical Meteorology I	
EAS 3500	Numerical Modeling Applications	
EAS 3700	Mesoanalysis and Severe Storms	
EAS 4030	Elements of Air Pollution	
EAS 4200	Synoptic Meteorology I	
GIS 4010	Introduction to Geographic Information Systems	
Total Credits		31

Continuation Standards

Students with a minor in meteorology must maintain a 2.00 GPA in their minor coursework.