METEOROLOGY, MINOR

Saint Louis University's minor in meteorology introduces students to the approaches, tools and data used by meteorologists. The minor is a good option for students who will have direct interactions with meteorologists, including students in aviation, civil engineering, business, and pre-law. Those 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 the characteristics, structures and processes of the atmosphere. Basic principles of physics and chemistry are applied to discover what makes the atmosphere work. Mathematical equations and techniques are used to predict 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.

Though meteorology applies basic science to the atmosphere, critical to success in the program is a fascination with the atmosphere and the vast range of phenomena that it generates. 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 Broadcasting.

Requirements

Code	Title	Credits
Required Courses		
EAS 1420	Foundations of Atmospheric Science	3
EAS 2110	Meteorological Analysis	3
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	Engineering Physics I and Engineering 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 1050	Introduction to Oceanography	
EAS 3150	Broadcast Meteorology I	
EAS 3160	Broadcast Meteorology II	
EAS 3250	Global Change	
EAS 3330	Physical Meteorology I	
EAS 3500	Numerical Modeling Applications	
EAS 3700	Mesoanalysis and Severe Storms	
EAS 4030	Elements of Air Pollution	
EAS 4150	Instrumentation and Remote Sensing	
EAS 4200	Synoptic Meteorology I	
EAS 4780	COMET Modules	
GIS 4010	Introduction to Geographic Information Systems	
Total Credits		33

Continuation Standards

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