

# METEOROLOGY, MINOR

Saint Louis University offers a minor in 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.

## Requirements

Code	Title	Credits
<b>Required Courses</b>		
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
<b>Science Requirement</b>		
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	
<b>Minor Elective Courses</b>		
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 GIS	
Total Credits		33

## Continuation Standards

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