

# METEOROLOGY AND CLIMATOLOGY CERTIFICATE

The Meteorology and Climatology certificate provides a working knowledge of atmospheric processes across spatial and temporal scales. This certificate is applicable to many disciplines in the physical sciences and enables students to supplement their majors with an understanding and awareness of the societal impacts of natural hazards and climate change.

## About this Program

- **College:** Liberal Arts and Sciences (<http://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/>)
- **Credits:** 12 | Completed with minimum grades of B- in each course
- More Info (<http://geog.ufl.edu/programs/certificates/undergrad-cert/>)
- Student Learning Outcomes (SLOs) (<https://public.tableau.com/app/profile/uf.oipr4918/viz/UFStudentLearningOutcomesCertificatesOnly/StudentLearningOutcomes/?publish=yes>)

*Certificates must contain at least nine credits of coursework that are unique to that program out of all other certificates and minors.*

## Department Information

The Geography Department offers a range of topics in contemporary geography and geospatial science, rich and lively cultural and learning environments, BA and BS undergraduate degrees, MA, M.S., and PhD degrees, as well as the largest Medical Geography program in the United States.

**Website** (<https://geog.ufl.edu/>)

## CONTACT

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Map (<http://campusmap.ufl.edu/#/index/0267>)

## Curriculum

- Combination Degrees
- Geographic Artificial Intelligence and Big Data Certificate
- Geography
- Geography Minor
- Geography Minor UF Online
- Geography UF Online
- Geospatial Information Analysis Certificate
- Medical Geography Certificate
- Medical Geography in Global Health Minor
- Meteorology and Climatology Certificate

*The program is open to all undergraduate students.*

Students take one introductory course, one or two intermediate courses, and one or two advanced courses for a minimum of 12 credits.

## Required Courses

Code	Title	Credits
<b>Introductory Course</b>		
GEO 2242 or MET 1010	Extreme Weather Introduction to Weather and Climate	3
<b>Intermediate Courses</b>		
Select one:		3
GEO 3250	Climatology	
MET 3503	Weather and Forecasting	
<b>Advanced Courses</b>		
Select one:		3
MET 4532	Hurricanes	
MET 4560	Atmospheric Teleconnections	
MET 4750	Spatial Analysis of Atmospheric Data using GIS	

**Elective**

Select one:

**3**

GEO 2006	Natural Hazards Geography
GEO 3250	Climatology
GEO 3280	Principles of Geographic Hydrology
GEO 3334	Managing for a Changing Climate
GEO 3341	Extreme Floods
GIS 4324	GIS Analysis of Hazard Vulnerability
GLY 3074	Oceans and Global Climate Change
MET 3503	Weather and Forecasting
MET 4532	Hurricanes
MET 4560	Atmospheric Teleconnections
MET 4750	Spatial Analysis of Atmospheric Data using GIS

**Total Credits****12**

Non-native transfer credit may be approved by department for the introductory level, 3 credit requirement. Only UF or SUS-offered intermediate or elective courses can satisfy those requirements. The course that satisfies the advanced course requirement must be taken at UF.

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