

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 comply with the Certificate Policy.

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

Email (liangmao@ufl.edu) | 352.392.0494 (tel) | 352.392.8855 (fax)

P.O. Box 117315
 330 Newell Drive
 3141 TURLINGTON HALL
 GAINESVILLE FL 32611-7315
 Map (<http://campusmap.ufl.edu/#/index/0267>)

Curriculum

- Combination Degrees
- GeoAI and Geographic Analysis Minor
- 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
- Meteorology Minor

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
Introductory Course		
GEO 2242 or MET 1010	Extreme Weather Introduction to Weather and Climate	3
Intermediate Courses		
Select one:		3
GEO 3250	Climatology	
MET 3503	Weather and Forecasting	
Advanced Courses		
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.
