

METEOROLOGY (BS) - GRADUATE SCHOOL TRACK

Degree Requirements

Code	Title	Hours
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General Education Requirements

https://bulletin.southalabama.edu/programs-az/arts-sciences/#generaleducationtext		53-57
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Major Requirements 47

Meteorology Major Core

A. Complete the following:

MET 140 & 140L	Introduction to Meteorology and Intro to Meteorology Lab	4
MET 443	Climatology - W	3
MET 353	General Meteorology	4
MET 354	Dynamic Meteorology I	3
MET 355	Dynamic Meteorology II	3
MET 356	Physical Meteorology	3
MET 454	Synoptic Meteorology I	6
MET 490	Sp Top - (Orientation to Meteorology)	1
MET 455	Synoptic Meteorology II	6

Graduate School Meteorology Track

A. Complete the following:

MET 420	Computer Apps in Earth Science	4
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B. Complete the following:

MET 358	Radar Meteorology	3-4
or MET 370	Satellite Meteorology	

C. Select 6-7 hours from the following, including at least one 2+ hour 400-level course:

MET 191	Tropical Weather Discussion	
MET 342	Severe Weather	
MET 357	Meteorological Instrumentation	
MET 358	Radar Meteorology	
MET 359	Introduction to TV Weather	
MET 370	Satellite Meteorology	
MET 410	MET Phenomenology - W	
MET 430	Mesoscale Meteorology	
MET 440	Air Pollution Meteorology	
MET 442	Tropical Meteorology	
MET 456	Applied Climatology - W	
MET 490	Sp Top -	
MET 495	Mesonet Internship	
MET 496	Internship in Meteorology	
MET 497	Broadcast Meteorology Pract I	
GY 425	Hydrology	
GIT 460	Intro to GIT	
MGT 300	Management Theory and Practice	
MKT 320	Principles of Marketing	

Other STEM Requirements

See list below.

Minor Requirements

A minor is required for this degree program 18-24

A MINIMUM OF 120 HOURS IS REQUIRED FOR A DEGREE 120

All undergraduates must complete two designated writing credit (W) courses, at least one must be in major or minor.

Other STEM Requirements

The Meteorology degree also requires:

Code	Title	Hours
MA 125	Calculus I	4
MA 126	Calculus II	4
MA 227	Calculus III	4
MA 238	Differential Equations I	3
PH 201 & 201L	Calculus-Based Physics I and Calculus-Based Physics I Lab	4
PH 202 & 202L	Calculus-Based Physics II and Calculus-Based Physics II Lab	4
ST 315	Applied Probability-Statistics	3

Note that Area III General Education requirements are fulfilled by these major requirements.

Graduation Plan

(47 Total Hours)

Course	Title	Hours
First Year		
Fall		
MA 125	Calculus I	4
MET 140	Introduction to Meteorology	3
MET 140L	Intro to Meteorology Lab	1
GEO 115	World Regional Geography (Area IV, B) ^{1,2}	3
CAS 100	First Yr Exp -	2
MET 490	Sp Top - (Orientation to Meteorology)	1
EH 101	English Composition I	3
		Hours 17
Spring		
MA 126	Calculus II	4
MET 353	General Meteorology	4
CA 110	Public Speaking	3
EH 102	English Composition II	3
		Hours 14
Second Year		
Fall		
MA 227	Calculus III	4
PH 201	Calculus-Based Physics I	4
PH 201L	Calculus-Based Physics I Lab	0
MET 420	Computer Apps in Earth Science	4
MET 357	Meteorological Instrumentation (MET elective) ¹	2
		Hours 14
Spring		
MA 238	Differential Equations I	3
PH 202	Calculus-Based Physics II	4
PH 202L	Calculus-Based Physics II Lab	0
MET 342	Severe Weather (MET Concentration) ^{1,2}	3
MET 443	Climatology - W	3
History	Area IV, A ²	3
		Hours 16

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Third Year

Fall		
MA 332	Differential Equations II (Math minor elective) ^{1,2}	3
MET 354	Dynamic Meteorology I	3
MET 356	Physical Meteorology	3
Fine Arts	Area II, C ²	3
Foreign Language I	Area V, A ²	3
Hours		15

Spring		
ST 315	Applied Probability-Statistics	3
MET 355	Dynamic Meteorology II	3
MET 358	Radar Meteorology (MET Concentration) ^{1,2}	4
Foreign Language II	Area V, A ²	3
Literature	Area II, B ²	3
Hours		16

Fourth Year

Fall		
MET 454	Synoptic Meteorology I	6
MET 410	MET Phenomenology - W (MET Concentration) ^{1,2}	3
Humanities/Fine Arts	Area II, D ²	3
Social/Behavioral Science	Area IV, B ²	3
Hours		15

Spring		
MET 455	Synoptic Meteorology II	6
Social/Behavioral Science	Area IV, B ²	3
Humanities/Fine Arts	Area II, D ²	3
Elective		3
Hours		15

Total Hours 122

¹ Recommended Course

² See General Education Requirements

Upon completion of Meteorology major requirements, students are only one course short of a minor in Mathematics. This recommended template incorporates a Math minor specifying MA 332 (Differential Equations II, Partial Differential Equations) since most Meteorology graduate programs require it.