

METEOROLOGY (BS) - PROFESSIONAL TRACK

Degree Requirements

| Code | Title | Hours |
|--|--|-----------|
| General Education Requirements | | |
| https://bulletin.southalabama.edu/programs-az/arts-sciences/#generaleducationtext | | 53-57 |
| Major Requirements | | 47 |
| <i>Meteorology Major Core</i> | | |
| 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 |
| <i>Professional Meteorology Track</i> | | |
| A. Complete the following: | | |
| MET 357 | Meteorological Instrumentation | 2 |
| B. Complete the following: | | |
| MET 358 or MET 370 | Radar Meteorology or Satellite Meteorology | 3-4 |
| C. Select 8-9 hours from the following: see footnote table below (p. 1) ¹ | | 8-9 |
| MET 191 | Tropical Weather Discussion | |
| MET 342 | Severe Weather | |
| MET 358 | Radar Meteorology | |
| MET 359 | Introduction to TV Weather | |
| MET 370 | Satellite Meteorology | |
| MET 410 | MET Phenomenology - W | |
| MET 420 | Computer Apps in Earth Science | |
| 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.

Footnote

¹ At least 1 course must be a 400-level course.

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 |
| EH 101 | English Composition I | 3 |
| MET 490 | Sp Top - (Orientation to Meteorology) | 1 |
| 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 or GIT 460 | Computer Apps in Earth Science or Intro to GIT | 4 |
| MET 357 | Meteorological Instrumentation | 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 |

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| | | |
|---------------------------|--|------------|
| MET 443 | Climatology - W | 3 |
| History | Area IV, A ² | 3 |
| Literature | Area II, B ² | 3 |
| Hours | | 16 |
| Third Year | | |
| Fall | | |
| ST 315 | Applied Probability-Statistics | 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 | | |
| Math minor elective | MA/ST 300+ elective ^{1,2} | 3 |
| MET 355 | Dynamic Meteorology II | 3 |
| MET 358 | Radar Meteorology (MET Concentration) ^{1,2} | 4 |
| MET 342 | Severe Weather (MET Concentration) ^{1,2} | 3 |
| Foreign Language II | Area V, A ² | 3 |
| Hours | | 16 |
| Fourth Year | | |
| Fall | | |
| MET 454 | Synoptic Meteorology I | 6 |
| Social/Behavioral Science | Area IV, B ² | 3 |
| Humanities/Fine Arts | Area II, D ² | 3 |
| Elective | | 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.