

BS in Atmospheric Science with concentration in Air Pollution Meteorology

Below is a sample 4-year plan for students pursuing the BS in Atmospheric Science with a concentration in Air Pollution Meteorology. To view the list of courses approved to fulfill Core 34 Goals, please visit the KU Core 34 page (<https://catalog.ku.edu/core34/>).

Freshman

| Fall | Hours | Spring | Hours |
|--|-----------|---------------------------------------|-----------|
| ATMO 105 (Core 34:Natural and Physical Sciences (SGE)) ^{040*} | 5 | ATMO 321 (Major Requirement) | 3 |
| MATH 125 (Core 34: Math and Statistics (SGE)) ^{030*} | 4 | MATH 126 (B.S. Degree Requirement) | 4 |
| CHEM 130 (B.S. Degree Requirement) | 5 | CHEM 135 (B.S. Degree Requirement) | 5 |
| Core 34: English (SGE) ⁰¹⁰ | 3 | Core 34: English (SGE) ⁰¹⁰ | 3 |
| | 17 | | 15 |

Sophomore

| Fall | Hours | Spring | Hours |
|--|-----------|---|-----------|
| MATH 127 (B.S. Degree Requirement) | 4 | ATMO 521 (Major Requirement SPRING-EVEN YEARS ONLY) | 3 |
| ATMO 505 (Major Requirement FALL ONLY) | 3 | EECS 138 (Python preferred) B.S. Degree Requirement | 3 |
| PHSX 211 (B.S. Degree Requirement) | 4 | MATH 290 (B.S. Degree Requirement) | 2 |
| PHSX 216 (B.S. Degree Requirement) | 1 | GEOG 104 (B.S. Degree Requirement) | 3 |
| EVRN 148 (B.S. Degree Requirement) | 3 | PHSX 212 (B.S. Degree Requirement) | 3 |
| | | PHSX 216 (B.S. Degree Requirement) | 1 |
| | 15 | | 15 |

Junior

| Fall | Hours | Spring | Hours |
|--|-----------|---|-----------|
| ATMO 640 (Major Requirement FALL ONLY) | 3 | ATMO 630 (Major Requirement SPRING ONLY) | 3 |
| ATMO 680 (Major Requirement FALL ONLY) | 3 | ATMO 660 (Major Requirement SPRING ONLY) | 3 |
| CE 477 (Major Requirement) | 3 | MATH 526 (B.S. Degree Requirement) | 3 |
| MATH 220 (B.S. Degree Requirement) | 3 | Core 34: Social and Behavior Science (SGE) ⁰⁵⁰ | |
| Core 34: Communications (SGE) ⁰²⁰ | 3 | Core 34: US Culture (SGE) ⁰⁷⁰ | 3 |
| | 15 | | 12 |

Senior

| Fall | Hours | Spring | Hours |
|---|-----------|--|-----------|
| GEOG 358 (B.S. Degree Requirement) | 4 | ATMO 525 (Major Requirement SPRING ONLY) | 3 |
| MATH 581 (BS Requirement FALL ONLY) | 3 | ATMO 642 (Major Requirement SPRING-ODD YEARS ONLY) ¹ | 3 |
| ENGL 362, 203, 205, 209, or 210 (B.S. Degree Requirement) | 3 | ATMO 697 (Capstone, Major Requirement) | 1 |
| Core 34: Global Culture (SGE) ⁰⁷⁰ | 3 | Core 34: Arts and Humanities (SGE) ⁰⁶⁰ | 3 |
| Core 34: Social and Behavior Science (SGE) ⁰⁵⁰ | 3 | Core 34: Arts and Humanities (SGE) ⁰⁶⁰ | 3 |
| | | Second Area of Study/ Elective/Degree/Junior-Senior Hours ² | 2 |
| | 16 | | 15 |

Total Hours 120

¹ ATMO 521 and ATMO 642 are taught only in the even or odd years and must be planned carefully. Students will need to adjust what year they take the course as well as the prerequisites for the course based on when they start the above plan. Please consult with your advisor.

² Hour requirements (incl. 45 jr/sr hrs) are typically met through Core 34, degree, major, second area of study and/or elective hours. Students completing the BGS with a major must choose a secondary area of study. Individual degree mapping is done in partnership with your advisor.

Please note:

All students in the College of Liberal Arts and Sciences are required to complete 120 total hours of which 45 hours must be at the Jr/Sr (300+) level.

Notes:

* - This course is a Required major course and is also part of Core 34: Systemwide General Education. If this course is not taken to fulfill the Core 34:SGE requirement, it must be taken in place of elective hours.

** - This course is a Recommended Core 34: Systemwide General Education course. This specific course is not required but is recommended by the program's faculty.

*** - This course is a Required Core 34: Systemwide General Education course. This program is approved by the Kansas Board of Regents to require this specific Core 34: Systemwide General Education course. If a student did not take this course it must be taken in addition to other degree requirements.