

BS in Atmospheric Science with concentration in Hydrometeorology

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

Freshman

Fall	Hours	Spring	Hours
ATMO 105 (Core 34: Natural and Physical Science (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	Core 34: English (SGE) ⁰¹⁰	3
Core 34: English (SGE) ⁰¹⁰	3	Core 34: Social and Behavioral Sciences (SGE) ⁰⁵⁰	3
	17		13

Sophomore

Fall	Hours	Spring	Hours
ATMO 505 (Major Requirement FALL ONLY)	3	ATMO 521 (Major Requirement SPRING-EVEN YEARS) ¹	3
MATH 127 (B.S. Degree Requirement)	4	EECS 138 (Fortran Preferred, C++ & Matlab accepted), 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	PHSX 212 (B.S. Degree Requirement)	3
GEOG 104 (B.S. Degree Requirement)	3	PHSX 236 (B.S. Degree Requirement)	1
		Core 34: Communications (SGE) ⁰²⁰	3
	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 260 (Major Requirement)	5	MATH 526 (B.S. Degree Requirement)	3

MATH 220 or 320 (B.S. Degree Requirement)	3	Core 34: Social and Behavioral Sciences (SGE) ⁰⁵⁰	3
Core 34: US Culture (SGE) ⁰⁷⁰	3	Core 34: Global Culture (SGE) ⁰⁷⁰	3
	17		15

Senior

Fall	Hours	Spring	Hours
GEOG 358 (B.S. Degree Requirement)	4	ATMO 697 (Capstone, Major Requirement)	1
CE 330 (Major Requirement)	3	ATMO 642 (Major Requirement SPRING-ODD YEARS ONLY) ¹	3
MATH 581 (BS Requirement)	3	ATMO 525 (Major Requirement SPRING ONLY)	3
Core 34: Arts and Humanities (SGE) ⁰⁶⁰	3	ATMO 605 (Major Requirement SPRING ONLY)	2
ENGL 203, 205, 209, or 210 (Core 34: Arts and Humanities (SGE)) ^{060**}	3	CE 455 (Major Requirement)	3
	16		12

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.

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.