

**Pathway to Graduation: Bachelor of Science in Atmospheric Sciences
(Weather Forecasting Concentration)**

Year One			
Fall Semester	Hours	Spring Semester	Hours
<ul style="list-style-type: none"> • ATMS 103 (Intro. to Met.) • MATH 191 (Calculus I) • LANG 120 (Academic Writing) • FYS 178 (First-year seminar) 	3 4 4 3	<ul style="list-style-type: none"> • CHEM 132 (Gen. Chemistry) • MATH 192 (Calculus II) • HUM 124 • Foreign Language 1 (or placement) 	3 4 4 4
Total credit hours		Total credit hours	
	14		15
Year Two			
Fall Semester	Hours	Spring Semester	Hours
<ul style="list-style-type: none"> • ATMS 203 (Fnd. of Atmos. Sci. I) • MATH 291 (Calculus III) • PHYS 221 (Physics I) • ATMS 230 / CSCI 183 / Python • Foreign Language 2 	2 4 4 3 4	<ul style="list-style-type: none"> • ATMS 204 (Fnd. of Atmos. Sci. II) • HUM 214 • MATH 394 (Differential Eqs.) • PHYS 222 (Physics II) • Elective 	2 4 3 4 3
Total credit hours		Total credit hours	
	17		16
Year Three			
Fall Semester	Hours	Spring Semester	Hours
<ul style="list-style-type: none"> • ATMS 305 (Atmos. Thermo.) • ATMS 320 (Met. Instruments) • ATMS 464 (Sci. Writing) • ATMS Wx Fcst Elective • Diversity Intensive 	3 3 3 3 3	<ul style="list-style-type: none"> • ATMS 310 (Atmos. Dynamics) • ATMS 350 (Weather Forecasting) • LA 378 (DI-R) • Elective or Social Science 	3 3 4 3
Total credit hours		Total credit hours	
	15		13
Year Four			
Fall Semester	Hours	Spring Semester	Hours
<ul style="list-style-type: none"> • ATMS 410 (Synoptic I) • ATMS Elective • Arts and Ideas • Elective or Social Science • HUM 414 / LA 478 	3 3 3 3 4	<ul style="list-style-type: none"> • ATMS 411 (Synoptic II) • ATMS 455 (Physical Met.) • ATMS Wx Fcst Elective • Elective • Elective 	3 3 3 3 2
Total credit hours		Total credit hours	
	16		14

NOTES:

- Students in the weather forecasting concentration must choose two of the following elective courses: ATMS 223, ATMS 355, ATMS 405, or ENVR 338.
- Consult the list of approved courses to satisfy the social science, arts and ideas, and diversity intensive Liberal Arts Core requirements. Many students choose either ENVR 324 or a designated course with an ATMS prefix to satisfy the diversity intensive requirement.
- Refer to the current catalog for the frequency of elective course offerings (some courses are offered every other year or on a Fall/Spring rotation) and specific prerequisite requirements for each course. While you may use the above as a planning tool, please work with your academic advisor to create a customized plan to meet your needs and graduation timeline.
- LA 378 satisfies *both* the DI-R and the HUM 324 Liberal Arts Core requirements. Students who choose to enroll in HUM 324 must also complete a separate DI-R course in place of an elective.
- Students who wish to enroll in MATH 191 must either have college credit for pre-calculus (MATH 167) *or* take the math placement exam via OnePort.
- If possible, general electives can be taken at any time in consultation with your academic advisor. One of the electives can be a 2-hour or a 3-hour course. Thus, the total hours to degree could vary from 120 to 121.

Degree Requirements:

- Credits in the major and correlate courses: 69 HOURS
- Required major/correlate courses that also fulfill LAC requirements: 11 HOURS