

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

Year One			
Fall Semester	Hours	Spring Semester	Hours
• ATMS 103 (Intro. to Met.)	3	• CHEM 132 (Gen. Chemistry)	3
• MATH 191 (Calculus I)	4	• MATH 192 (Calculus II)	4
• LANG 120 (Academic Writing)	4	• HUM 124	4
• FYS 178 (First-year seminar)	3	• Foreign Language 1 (or placement)	4
Total credit hours	14	Total credit hours	15
Year Two			
Fall Semester	Hours	Spring Semester	Hours
• ATMS 203 (Fnd. of Atmos. Sci. I)	2	• ATMS 204 (Fnd. of Atmos. Sci. II)	2
• MATH 291 (Calculus III)	4	• HUM 214	4
• PHYS 221 (Physics I)	4	• MATH 394 (Differential Eqs.)	3
• ATMS 235 (Python) / CSCI 183	3	• PHYS 222 (Physics II)	4
• Foreign Language 2	4	• Elective	3
Total credit hours	17	Total credit hours	16
Year Three			
Fall Semester	Hours	Spring Semester	Hours
• ATMS 305 (Atmos. Thermo.)	3	• ATMS 310 (Atmos. Dynamics)	3
• ATMS 320 (Met. Instruments)	3	• ATMS 350 (Weather Forecasting)	3
• ATMS 464 (Sci. Writing)	3	• HUM 324 / LA 378	4
• ATMS Wx Fcst Elective	3	• Elective or Social Science	3
• Elective	3		
Total credit hours	15	Total credit hours	13
Year Four			
Fall Semester	Hours	Spring Semester	Hours
• ATMS 410 (Synoptic I)	3	• ATMS 411 (Synoptic II)	3
• ATMS Elective	3	• ATMS 455 (Physical Met.)	3
• Arts and Ideas	3	• ATMS Wx Fcst Elective	3
• Elective or Social Science	3	• Elective	3
• HUM 414 / LA 478	4	• Elective	2
Total credit hours	16	Total credit hours	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 and arts and ideas Liberal Arts Core requirements.
- 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.
- 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