

## Pathway to Graduation: Bachelor of Science in Atmospheric Sciences (Climatology 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	• Humanities	4
• FYS 178 (First-year seminar)	3	• Foreign Language (or placement)	4
<b>Total credit hours</b>	<b>14</b>	<b>Total credit hours</b>	<b>15</b>
Year Two			
Fall Semester	Hours	Spring Semester	Hours
• ATMS 203 (Fnd. of Atmos. Sci. I)	2	• ATMS 204 (Fnd. of Atmos. Sci. II)	2
• ATMS 235 (Python) / CSCI 183	3	• MATH 394 (Differential Eqs.)	3
• MATH 291 (Calculus III)	4	• PHYS 222 (Physics II)	4
• PHYS 221 (Physics I)	4	• Found. of American Democracy	3
• Elective	3	• Elective	3
<b>Total credit hours</b>	<b>16</b>	<b>Total credit hours</b>	<b>15</b>
Year Three			
Fall Semester	Hours	Spring Semester	Hours
• ATMS 305 (Atmos. Thermo.)	3	• ATMS 310 (Atmos. Dynamics)	3
• ATMS 320 (Met. Instruments)	3	• ATMS 405 (Met. Statistics)	3
• ATMS 464 (Sci. Writing)	3	• Elective or Social Science	3
• ATMS 223 (Phys. Climatol.)	3	• Elective	3
• Elective	3	• Arts	3
<b>Total credit hours</b>	<b>15</b>	<b>Total credit hours</b>	<b>15</b>
Year Four			
Fall Semester	Hours	Spring Semester	Hours
• ATMS 410 (Synoptic I)	3	• ATMS 411 (Synoptic II)	3
• ATMS Elective	3	• ATMS 420 (Applied Climatol.)	3
• Elective or Social Science	3	• ATMS 455 (Physical Met.)	3
• Elective	3	• Elective	3
• Senior-Year Seminar	4	• Elective	2
<b>Total credit hours</b>	<b>16</b>	<b>Total credit hours</b>	<b>14</b>

NOTES:

- Consult the list of approved courses to satisfy the Humanities, Arts, Social Science, and Foundations of American Democracy components of the Core Curriculum.
- 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: 8 HOURS