

## Pathway to Graduation: Bachelor of Science in Atmospheric Sciences (Climatology Concentration)

Year One			
Tem Sile			
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
Total credit hours 14		Total credit hours 15	
Year Two			
Fall Semester	Hours	Smring Compostor	Hours
	Hours 2	Spring Semester	2
• ATMS 203 (Fnd. of Atmos. Sci. I)	3	• ATMS 204 (Fnd. of Atmos. Sci. II)	3
• ATMS 235 (Python) / CSCI 183	4	MATH 394 (Differential Eqs.)  NAME 202 (El. 17)  NAME 202 (El. 17	4
MATH 291 (Calculus III)  PLANT 291 (Calculus III)	4	PHYS 222 (Physics II)  Fig. 1. (A)  Physics II  P	3
PHYS 221 (Physics I)	3	Found. of American Democracy	3
Elective	3	Elective	3
Total credit hours 16		Total credit hours 15	
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Year Three			
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Fall Semester	Hours	Spring Semester	Hours
Fall Semester • ATMS 305 (Atmos. Thermo.)	3	ATMS 310 (Atmos. Dynamics)	3
Fall Semester  • ATMS 305 (Atmos. Thermo.)  • ATMS 320 (Met. Instruments)	3	<ul><li>ATMS 310 (Atmos. Dynamics)</li><li>ATMS 405 (Met. Statistics)</li></ul>	3
<ul> <li>Fall Semester</li> <li>ATMS 305 (Atmos. Thermo.)</li> <li>ATMS 320 (Met. Instruments)</li> <li>ATMS 464 (Sci. Writing)</li> </ul>	3 3 3	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> </ul>	3 3 3
<ul> <li>Fall Semester</li> <li>ATMS 305 (Atmos. Thermo.)</li> <li>ATMS 320 (Met. Instruments)</li> <li>ATMS 464 (Sci. Writing)</li> <li>ATMS 223 (Phys. Climatol.)</li> </ul>	3 3 3 3	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> <li>Elective</li> </ul>	3 3 3 3
Fall Semester  • ATMS 305 (Atmos. Thermo.)  • ATMS 320 (Met. Instruments)  • ATMS 464 (Sci. Writing)	3 3 3	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> </ul>	3 3 3
Fall Semester  ATMS 305 (Atmos. Thermo.)  ATMS 320 (Met. Instruments)  ATMS 464 (Sci. Writing)  ATMS 223 (Phys. Climatol.)  Elective  Total credit hours	3 3 3 3 3	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> <li>Elective</li> </ul>	3 3 3 3
<ul> <li>Fall Semester</li> <li>ATMS 305 (Atmos. Thermo.)</li> <li>ATMS 320 (Met. Instruments)</li> <li>ATMS 464 (Sci. Writing)</li> <li>ATMS 223 (Phys. Climatol.)</li> <li>Elective</li> </ul>	3 3 3 3 3	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> <li>Elective</li> <li>Arts</li> </ul>	3 3 3 3
Fall Semester  ATMS 305 (Atmos. Thermo.)  ATMS 320 (Met. Instruments)  ATMS 464 (Sci. Writing)  ATMS 223 (Phys. Climatol.)  Elective  Total credit hours  Year Four	3 3 3 3 3 15	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> <li>Elective</li> <li>Arts</li> </ul> Total credit hours	3 3 3 3 3 15
Fall Semester  • ATMS 305 (Atmos. Thermo.)  • ATMS 320 (Met. Instruments)  • ATMS 464 (Sci. Writing)  • ATMS 223 (Phys. Climatol.)  • Elective  Total credit hours  Year Four  Fall Semester	3 3 3 3 3	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> <li>Elective</li> <li>Arts</li> </ul> Total credit hours Spring Semester	3 3 3 3
Fall Semester  ATMS 305 (Atmos. Thermo.)  ATMS 320 (Met. Instruments)  ATMS 464 (Sci. Writing)  ATMS 223 (Phys. Climatol.)  Elective  Total credit hours  Year Four  Fall Semester  ATMS 410 (Synoptic I)	3 3 3 3 3 15 Hours	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> <li>Elective</li> <li>Arts</li> </ul> Total credit hours Spring Semester <ul> <li>ATMS 411 (Synoptic II)</li> </ul>	3 3 3 3 3 15 Hours
Fall Semester  ATMS 305 (Atmos. Thermo.)  ATMS 320 (Met. Instruments)  ATMS 464 (Sci. Writing)  ATMS 223 (Phys. Climatol.)  Elective  Total credit hours  Year Four  Fall Semester  ATMS 410 (Synoptic I)  ATMS Elective	3 3 3 3 3 15 Hours 3	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> <li>Elective</li> <li>Arts</li> <li>Total credit hours</li> <li>Spring Semester</li> <li>ATMS 411 (Synoptic II)</li> <li>ATMS 420 (Applied Climatol.)</li> </ul>	3 3 3 3 3 <b>15</b> <b>Hours</b> 3
Fall Semester  ATMS 305 (Atmos. Thermo.)  ATMS 320 (Met. Instruments)  ATMS 464 (Sci. Writing)  ATMS 223 (Phys. Climatol.)  Elective  Total credit hours  Year Four  Fall Semester  ATMS 410 (Synoptic I)  ATMS Elective  Elective or Social Science	3 3 3 3 3 15 Hours 3 3	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> <li>Elective</li> <li>Arts</li> <li>Total credit hours</li> <li>Spring Semester</li> <li>ATMS 411 (Synoptic II)</li> <li>ATMS 420 (Applied Climatol.)</li> <li>ATMS 455 (Physical Met.)</li> </ul>	3 3 3 3 3 <b>15</b> <b>Hours</b> 3 3
Fall Semester  ATMS 305 (Atmos. Thermo.)  ATMS 320 (Met. Instruments)  ATMS 464 (Sci. Writing)  ATMS 223 (Phys. Climatol.)  Elective  Total credit hours  Year Four  Fall Semester  ATMS 410 (Synoptic I)  ATMS Elective  Elective or Social Science  Elective	3 3 3 3 3 15 Hours 3 3 3	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> <li>Elective</li> <li>Arts</li> <li>Total credit hours</li> <li>Spring Semester</li> <li>ATMS 411 (Synoptic II)</li> <li>ATMS 420 (Applied Climatol.)</li> <li>ATMS 455 (Physical Met.)</li> <li>Elective</li> </ul>	3 3 3 3 5 15 Hours 3 3 3
Fall Semester  ATMS 305 (Atmos. Thermo.)  ATMS 320 (Met. Instruments)  ATMS 464 (Sci. Writing)  ATMS 223 (Phys. Climatol.)  Elective  Total credit hours  Year Four  Fall Semester  ATMS 410 (Synoptic I)  ATMS Elective  Elective or Social Science	3 3 3 3 3 15 Hours 3 3 3	<ul> <li>ATMS 310 (Atmos. Dynamics)</li> <li>ATMS 405 (Met. Statistics)</li> <li>Elective or Social Science</li> <li>Elective</li> <li>Arts</li> <li>Total credit hours</li> <li>Spring Semester</li> <li>ATMS 411 (Synoptic II)</li> <li>ATMS 420 (Applied Climatol.)</li> <li>ATMS 455 (Physical Met.)</li> </ul>	3 3 3 3 15 Hours 3 3 3 3



## **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 precalculus (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