

# Bachelor of Science in Atmospheric Sciences

Requires 120 credits (36 of which must be number 300 or above), with 2.5 minimum GPA, including:

- I. Essential Studies Requirements (see University ES listing)
- II. School of Aerospace Sciences Requirements (see College section)
- III. The Following Curriculum:

Code	Title	Credits
<b>Essential Studies Courses</b>		
ENGL 110	College Composition I	3
ENGL 130	Composition II: Writing for Public Audiences	3
	Oral Communication Elective	3
	Social Science Electives	9
	Fine Arts and Humanities Electives	9
<b>Extra-Departmental Requirements</b>		
MATH 165	Calculus I	4
MATH 166	Calculus II	4
MATH 265	Calculus III	4
MATH 266	Elementary Differential Equations	3
MATH 321	Applied Statistical Methods	3
or ECON 210	Introduction to Business and Economic Statistics	
CSCI 160	Computer Science I	4
CHEM 121	General Chemistry I	3
CHEM 121L	General Chemistry I Laboratory	1
PHYS 251	University Physics I	4
PHYS 252	University Physics II	4
<b>Atmospheric Sciences Core Courses</b>		
ATSC 100	Atmospheric Sciences Orientation	1
ATSC 110	Meteorology I <sup>+</sup>	3
ATSC 110L	Meteorology I Laboratory <sup>+</sup>	1
ATSC 210	Introduction to Synoptic Meteorology <sup>+</sup>	4
ATSC 240	Meteorological Instrumentation <sup>+</sup>	4
ATSC 270	Computer Concepts in Meteorology <sup>+</sup>	3
ATSC 345	Remote Sensing of the Atmosphere <sup>+</sup>	3
ATSC 350	Atmospheric Thermodynamics <sup>+</sup>	3
ATSC 353	Physical Meteorology <sup>+</sup>	3
ATSC 360	Dynamic Meteorology <sup>+</sup>	4
ATSC 391	Research Methods in Atmospheric Sciences <sup>+</sup>	1
ATSC 405	Numerical Methods in Meteorology <sup>+</sup>	3
ATSC 411	Synoptic Meteorology <sup>+</sup>	4
ATSC 460	Mesoscale Dynamics <sup>+</sup>	4
ATSC 492	Senior Project I <sup>+</sup>	1
ATSC 493	Senior Project II <sup>+</sup>	2
<b>Career Electives <sup>*#</sup></b>		
	An approved list of courses from which students select to gain additional knowledge and skills that would allow them to develop their chosen career interest	12
Plus electives to total 120 credits		

\* Career Electives are courses that students take to gain additional knowledge and skills that would allow them to develop their chosen career interest. A total of 12 credit hours are required from an approved list of Career Electives.  
 # A maximum combined limit of 6 credit hours of ATSC 397 Cooperative Education, and ATSC 497 Internship, may be used as Career Electives.  
 + Grade of 'C' or higher required.