

**Department of Physics**  
**Bachelor of Science in Atmospheric Sciences and Meteorology**  
**Major Code: ATSM**

**Curriculum Guide**

<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
<b>Freshman Year: First Semester</b>		<b>Freshman Year: Second Semester</b>	
FRST 101	1	ENGL 101	3
ENGL 100	3	ASME 151	3
Afr. Amer. History & Culture (AA) <sup>1</sup>	3	MATH 132	4
MATH 131	4	PHYS 100	1
CHEM 106	3	Humanities / Fine Arts (HFA) <sup>1</sup>	3
CHEM 116	1	<b>Semester Total</b>	<b>14</b>
<b>Semester Total</b>	<b>15</b>		
<b>Sophomore Year: First Semester</b>		<b>Sophomore Year: Second Semester</b>	
ASME 251	3	Global Awareness (GL) <sup>1</sup>	3
ASME 252	1	MATH 224	3
Social/Behavioral Sciences (SBS) <sup>1</sup>	3	ASME 231	3
MATH 231	4	PHYS 305	3
PHYS 241	3	PHYS 242	3
PHYS 251	1	PHYS 252	1
<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>16</b>
<b>Junior Year: First Semester</b>		<b>Junior Year: Second Semester</b>	
PHYS 345	3	ASME 422	4
ASME 433	3	ASME 434	3
ENGL 331	3	PHYS Elective <sup>3</sup>	3
PHYS 411	3	Technical Elective <sup>4</sup>	3
PHYS 400	3	ASME Elective <sup>2-1</sup>	3
<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>16</b>
<b>Senior Year: First Semester</b>		<b>Senior Year: Second Semester</b>	
ASME 492	1	ASME 496 <sup>5</sup>	6
ASME Elective <sup>2-2</sup>	3	ASME 492	1
PHYS 450	3	ASME Elective <sup>2-3</sup>	3
Technical Elective <sup>4</sup>	3	Free Elective	3
PHYS Elective <sup>3</sup>	3	<b>Semester Total</b>	<b>13</b>
Free Elective	3		
<b>Semester Total</b>	<b>16</b>		

**Total Credit Hours: 120**

<sup>1</sup>Courses may only satisfy ONE general education requirement GL, AA, SBS, or HFA (e.g. LIBS 202 can satisfy HFA or AA, but not both).

<sup>2-1</sup>ASME Elective: Course must be chosen from ASME 211, 275, 285.

<sup>2-2</sup>ASME Elective: Course must be chosen from ASME 420, 423, 430, or 440.

<sup>2-3</sup>ASME Elective: Course must be chosen from ASME 463, 470, 480, 481, or 491.

<sup>3</sup>Physics Elective: Course must be chosen from PHYS 412, 415, 420, 430, 440, 447, or 475.

<sup>4</sup>Technical Electives: Courses must be in Mathematics, Science or Engineering.

<sup>5</sup>ASME 496 - capstone course.

Free electives (6 credit hours).

**MAJOR PROGRAM REQUIREMENTS**

*Students must earn a C- or better in ASME, PHYS and MATH courses.*