

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

Curriculum Guide

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

Total Credit Hours: 120

¹Courses may only satisfy ONE general education requirement GL, AA, SBS, or HFA (e.g. LIBS202 can satisfy HFA or AA, but not both).

²⁻¹ASME Elective: Course must be chosen from ASME 211, 275, 285.

²⁻²ASME Elective: Course must be chosen from ASME 420, 423, 430, or 440.

²⁻³ASME Elective: Course must be chosen from ASME 463, 470, 480, 481, or 491.

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

⁴Technical Electives: Courses must be in Mathematics, Science or Engineering.

⁵ASME 496 - capstone course.

Free electives (9 credit hours).

MAJOR PROGRAM REQUIREMENTS

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