

Department of Physics
Bachelor of Science in Atmospheric Sciences and Meteorology (Proposed)
Major Code: 0341
Curriculum Guide

Freshman Year: First Semester		Freshman Year: Second Semester	
PHYS 100	1	FRST 101	1
ENGL 100	3	ENGL 101	3
MATH 131	4	ASME 151	3
CHEM 106	3	MATH 132	4
CHEM 116	1	Humanities/Fine Arts (HFA) ¹	3
Afr. Amer. History & Culture (AA) ¹	3	Semester Total	14
Semester Total	15		
Sophomore Year: First Semester		Sophomore Year: Second Semester	
ASME 251	3	ASME 231	3
ASME 252	1	MATH 224	3
MATH 231	4	PHYS 242	3
PHYS 241	3	PHYS 252	1
PHYS 251	1	PHYS 305	3
Social/Behavioral Sciences (SBA) ¹	3	Global Awareness (GL) ¹	3
Semester Total	15	Semester Total	16
Junior Year: First Semester		Junior Year: Second Semester	
ASME 433	3	ASME 385	3
ENGL 331	3	ASME 422	4
PHYS 400	3	ASME 434	3
PHYS 411	3	Technical Elective ²⁻²	3
Technical Elective ²⁻¹	3	ASME Elective ³⁻¹	3
Semester Total	15	Semester Total	16
Senior Year: First Semester		Senior Year: Second Semester	
ASME 492	1	ASME 492	1
ASME Elective ³⁻²	3	ASME 496	6
PHYS Elective ⁴	3	ASME Elective ³⁻³	3
Technical Elective ²⁻²	3	PHYS Elective ⁴	3
Free Elective	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. LIBS 202 can satisfy HFA or AA, but not both).

²⁻¹Technical Electives (3 credits): Course must be chosen from computer programming courses, such as ASME 211, CST 130, CST 140, COMP 160, COMP 161, COMP 163, or MATH 140, etc.

²⁻²Technical Electives (6 credits): Courses must be in Mathematics, Science or Engineering.

³⁻¹ASME Elective: Course must be chosen from ASME: 234, 275, 285.

³⁻²ASME Elective: Course must be chosen from ASME: 423, 420, 430, or 440.

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

⁴PHYS Elective: Course must be chosen from PHYS 4xx: 401, 412, 415, 416, 420, 430, 440, 447, 475, 485, or 494.

ASME 496 capstone course

Free Electives (6 credits)