

San Francisco State University
Degree Roadmap: Bulletin Year 2008 - 2009

September 5, 2008

BS Degree in Atmospheric and Oceanic Sciences - Meteorology (673107)

Minimum Number of Units in Major = 70

Bulletin URL: <http://www.sfsu.edu/~bulletin/current/programs/aoesci.htm#673107> Key to Course Abbreviations: <http://www.sfsu.edu/~admisrec/reg/noindex/crsabbrev.html>

1st Semester Requirements		
Requirement	Recommended Courses	Units
Basic Information Competence		
Written English Proficiency	ENG 114	3
GE 1 Oral Communication	COMM 150	3
GE 2 Physical and Biological Sciences, Category A (and GE II lab req. - also satisfies Major Science & Mathematics Foundation: Chemistry)	CHEM 115	5
GE 2 Behavioral and Social Sciences		3
GE 2 Humanities and Creative Arts		3
Totals:		17

Note: Review the Bulletin for GE II requirements in the following areas:
 LLD- Lifelong Development, AERM- American Ethnic and Racial Minorities; L/F- Laboratory or Fieldwork

2nd Semester Requirements		
Requirement	Recommended Courses	Units
GE 1 Critical Thinking		3
GE 1 Quantitative Reasoning (also satisfies Major Science & Mathematics Foundation: Mathematics)	MATH 226	4
GE 2 Physical and Biological Sciences, Category B		3
GE 2 Behavioral and Social Sciences		3
GE 2 Humanities and Creative Arts		3
Totals:		16

3rd Semester Requirements		
Requirement	Recommended Courses	Units
GE 1 Written Communication also satisfies University Written English Proficiency	ENG 214	3
GE 2 Humanities and Creative Arts		3
Major (Science & Mathematics Foundation: Mathematics)	MATH 227	4
Major (Science & Mathematics Foundation: Physics)	PHYS 220 & PHYS 222	4
Major (Meteorology & Oceanography Core)	OCN 200	3
Totals:		17

4th Semester Requirements		
Requirement	Recommended Courses	Units
US Government and California		3
GE 2 Behavioral and Social Sciences		3
Major (Science & Mathematics Foundation: Mathematics)	MATH 228	4
Major (Science & Mathematics Foundation: Physics)	PHYS 230 & PHYS 232 or PHYS 240 & PHYS 242	4
Major (Meteorology & Oceanography Core)	METR 201	3
Totals:		17

5th Semester Requirements		
Requirement	Recommended Courses	Units
Major (Science & Mathematics Foundation: Mathematics)	MATH 245	3
Major (Science & Mathematics Foundation: Computer Science)	METR 460	2
Major (Meteorology & Oceanography Core)	METR 405	4
Major Concentration (Meteorology Required Course)	METR 400	1
Major Concentration (Meteorology Required Course)	METR 410	4
Totals:		14

6th Semester Requirements		
Requirement	Recommended Courses	Units
University UD Written English Proficiency or University Elective		3
Major (Science & Mathematics Foundation: Mathematics)	MATH 324	3
Major (Meteorology & Oceanography Core)	METR 465	3
Major (Meteorology & Oceanography Core)	METR 415	3
Major Concentration (Meteorology Required Course)	METR 420	3
Totals:		15

7th Semester Requirements		
Requirement	Recommended Courses	Units
GE 2 Physical and Biological Sciences, Category C		3
GE 3		3
Major Concentration (Meteorology Required Course)	METR 430	4
Major Concentration (Meteorology Required Course)	METR 520	2
Totals:		12

8th Semester Requirements		
Requirement	Recommended Courses	Units
US History		3
GE 3		3
GE 3		3
Major (Meteorology & Oceanography Core)	METR 470	2
Major Concentration (Meteorology Required Course)	METR 595	1
Major Concentration Elective (on Advisement)		3
Totals:		15

Note: A minimum of 40 upper division units must be completed for degree.

Most METR and OCN courses are offered once every two years. Consult department website for sequence of courses and with a major advisor regarding appropriate choice of emphasis.

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Department Website: http://tornado.sfsu.edu/Geosciences/Geosciences_Docs/Academics/academic.htm