

San Francisco State University
Degree Roadmap: Bulletin Year 2007 - 2008

September 5, 2008

BS Degree in Atmospheric and Oceanic Sciences - Oceanography (673108)

Minimum Number of Units in Major = 69

Bulletin URL: <http://www.sfsu.edu/~bulletin/current/programs/aeosci.htm#673108> Key to Course Abbreviations: <http://www.sfsu.edu/~admisrec/reg/noindex/crsabbrev.html>

1st Semester Requirements

Requirement	Recommended Courses	Units
University Basic Information Competence		
Written English Proficiency	ENG 114	3
GE 1 Oral Communication	COMM 150	3
GE 2 Physical and Biological Sciences, Category A also satisfies Major Foundation (Science & Mathematics)	CHEM 115	5
GE 2 Behavioral and Social Sciences		3
GE 2 Humanities and Creative Arts		3

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

Totals: 17

2nd Semester Requirements

Requirement	Recommended Courses	Units
GE 1 Critical Thinking		3
GE 1 Quantitative Reasoning also satisfies Major Foundation (Science & 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 Foundation (Science & Mathematics)	PHYS 220 & PHYS 222	4
Major Foundation (Science & Mathematics)	MATH 227	4
Major Core (Meteorology & Oceanography)	METR 200 or OCN 200	3

Totals: 17

4th Semester Requirements

Requirement	Recommended Courses	Units
GE 2 Behavioral and Social Sciences		3
Major Foundation (Science & Mathematics)	MATH 228	4
Major Foundation (Science & Mathematics)	PHYS 230 & PHYS 232 or PHYS 240 & PHYS 242	4
Major Core (Meteorology & Oceanography)	METR 201 or OCN 201	3

Totals: 14

5th Semester Requirements

Requirement	Recommended Courses	Units
University Written English Proficiency (if required)	ENG 414	0 to 3
Major Foundation (Science & Mathematics)	METR 206	2
Major Foundation (Science & Mathematics)	MATH 245	3
Major Core (Meteorology & Oceanography)	METR 405	4
Major Concentration or Major Elective (on Advisement (See Note 1))	GEOL 110	4

Note: Take JEPET after 48 units earned to satisfy Written English Proficiency.

Totals: 13 to 16

6th Semester Requirements

Requirement	Recommended Courses	Units
Major Foundation (Science & Mathematics)	MATH 324	3
Major Core (Meteorology & Oceanography)	METR 490	3
Major Core (Meteorology & Oceanography)	METR 406	3
Major Concentration (See Note 1)	GEOL 467 or CHEM 680	3
Major Concentration	OCN 465	3

Totals: 15

7th Semester Requirements

Requirement	Recommended Courses	Units
US History		3
GE 2 Physical and Biological Sciences, Category C		3
GE 3		3
GE 3		3

Totals: 12

8th Semester Requirements

Requirement	Recommended Courses	Units
US Government and California		3
GE 3		3
Major Core (Meteorology & Oceanography)	METR 404	2
Major Concentration	METR 420	3
Major Elective (upon Advisement)		5

Totals: 16

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

Many METR/OCN courses are offered once every two years. Consult with departmental website for sequence of courses. Consult with a major advisor regarding appropriate choice of emphasis.

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Note 1: For the Oceanography Concentration Required Courses, students may select either GEOL 110 and GEOL 467 (7 units total), or CHEM 680 (3 units). Students must compensate for the 4-unit difference between these options by completing either at least 5 units of major electives for the first option or 9 units of major electives for the second option, upon advisement.

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