

DEPARTMENT OF ATMOSPHERIC SCIENCES - Fall 2012 Catalog

COLLEGE OF GEOSCIENCES, TEXAS A&M UNIVERSITY

BACHELOR OF SCIENCE IN METEOROLOGY

REVISED 06/12/2012

STUDENT: \_\_\_\_\_

UIN: \_\_\_\_\_

DEPT.	#	SEM	SUB/TRAN	HRS	GRD	CUL
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DEPT.	#	SEM	SUB/TRAN	HRS	GRD	CUL
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MATHEMATICS						
MATH	<b>171</b>			4		
MATH	<b>172</b>			4		
MATH	<b>251</b>			3		
MATH	<b>308</b>			3		
				14		

COMMUNICATIONS						
ENGL	<b>104</b>			3		
COMM	203			3		
				6		

PHYSICS						
PHYS	<b>218</b>			4		
PHYS	<b>208</b>			4		
				8		

HUMANITIES						
				3		
				3		

VISUAL AND PERFORMING ARTS						
				3		
				3		

CHEMISTRY						
CHEM	<b>101</b>			3		
CHEM	<b>111</b>			1		
CHEM	<b>102</b>			3		
CHEM	<b>112</b>			1		
				8		

SOCIAL SCIENCE						
				3		
				3		

METEOROLOGY						
ATMO	<b>201</b>	A/C		3		
ATMO	<b>203</b>	A/C		1		
ATMO	251	C		3		
ATMO	<b>324</b>	A		3		
ATMO	<b>335</b>	C *		3		
ATMO	<b>336</b>	C *		3		
ATMO	363	C		4		
ATMO	435	A		3		
ATMO	INST	A/C		2		
ATMO	446	C		3		
				28		

CITIZENSHIP						
HIST	105			3		
HIST	106			3		
POLS	206			3		
POLS	207			3		
				12		

KINESIOLOGY						
KINE	198			1		
KINE	199			1	S/U	
				2		

OTHER REQUIRED COURSES						
ATMO	<b>321</b>			3		
STAT	211			3		
				6		

METEOROLOGY AND TECH ELECTIVES						
ATMO	<b>352</b>	A				
ATMO	441	A				
ATMO	443	C				
ATMO	<b>455</b>	A				
ATMO	456W	A				
ATMO	459W	C				
ATMO	461	A				
ATMO	463W	A				
GEOS	444					
MATH	311					
Other Approved Courses						
				18		

GENERAL ELECTIVES						
				9		

Spring = A Summer = B Fall = C

Writing Intensive Course = W

**BOLD NUMBER** indicates course is a prerequisite

BASIC SCIENCE	30
METEOROLOGY + TECH ELECTIVES	46
CORE	29
OTHER	15
TOTAL HOURS	<u>##</u>

Foreign language requirement  
International & Cultural Diversity  
Residency  
Writing courses

	2 years high school, or 2 semesters college, or proficiency
	6 hours from approved list
	36 hours of upper division at TAMU/12 hours in major
	2 ATMO writing-intensive course

DEGREE REQUIREMENTS AND NOTES  
120 hours required for this degree with a minimum overall GPR of 2.0

**\*\* All students enter as Lower Level Meteorology (METL) until completion of ATMO 335 and 336 and the associate pre-requisite courses. Once students have completed these courses, their major will be change to Upper Level Meteorology (METR) and they will be eligible to take upper level electives. This change should occur following Fall of the Junior year.**

1. GPR REQUIREMENTS: a minimum GPR of 2.000 must be maintained for all ATMOSPHERIC SCIENCES courses. In addition, students must achieve a grade of C or better in MATH 171, 172, 251, and 308.
2. MATHEMATICS: Students may wish to discuss a math minor with their advisor. Must receive a grade of 'C' or better in all Math courses.
3. REMOTE SENSING / INSTRUMENT REQUIREMENT: This may be satisfied by taking ATMO 441 or 443
4. METEOROLOGY AND TECHNICAL ELECTIVES: 18 hours required. Atmospheric sciences and technical electives are selected with approval of the department.
5. COMMUNICATIONS: The second part of the Core Curriculum Communications Requirement should be satisfied by COMM 203 or COMM 205.
6. HUMANITIES: Courses that satisfy the Humanities requirement are listed in the Core Curriculum section of the Undergraduate Catalog. See note 12 below.
7. VISUAL AND PERFORMING ARTS: Courses that satisfy the Visual and Performing Arts requirement are listed in the Core Curriculum section of the Undergraduate Catalog. See note 12 below.
8. SOCIAL SCIENCE: Courses that satisfy the Social Science requirement are listed in the Core Curriculum section of the Undergraduate Catalog. See note 12 below.
9. CITIZENSHIP: Details about and options for the Citizenship requirement are given in the Core Curriculum section of the Undergraduate Catalog.
10. COMPUTING: ATMO 321 recommended; CPSC 203, 206 also satisfy the computing requirement.
11. GENERAL ELECTIVES: 9 hours required. Select any course not used elsewhere. (except BUAD 100; CAEN 001-499; CAEX 001-499; DEVS 001-499; ENGL 100, 103; KINE 198-199; LBAR 201; MATH 102-103, 131, 141-142, 150-152, 166, 171-172, 251, 253, 221; PHYS 101, 201-202, 208, 218-219; AERS 100-499; MLSC 100-499; NVSC 100-499; SOMS 100-499)
12. INTERNATIONAL & CULTURAL DIVERSITY: Students must take at least 6 hours of courses from the approved list of International and Cultural Diversity courses. Students should carefully select Humanities, Visual and Performing Arts, Social Science, or General Electives to satisfy this requirement. Some technical electives may also satisfy this requirement. See your advisor.
13. RESIDENCY: Students must complete at least 36 hours of upper-division (300-400 level) courses at Texas A&M; at least 12 of those hours must be in Meteorology.
14. WRITING REQUIREMENT: As a complement to the six-hour communications requirement, students must complete additional writing instruction in two ATMO writing-intensive (W) course.
15. This is not an official document. The Undergraduate Catalog contains the official degree requirements.