## **Required Courses for Students Majoring in Atmospheric Sciences**

## (Space Sciences Section) in the College of Earth Sciences

## (applicable to students admitted in Fall 2008)

Academic	First Year		Second Year		Third Year		Fourth Year			
Year										
Semester	F 11	g ·	F 11	<b>G</b> .	F 11	<b>G</b> :	Г 11	g :		
Course	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring		
Titles										
Common										
Required	Chinese (3)	Chinese (3)								
Courses			Histo	ry (2)						
(30)				-5 (-)						
	Foreign	Foreign								
	Languages	Languages								
	(3)	(3)								
	•16 credit hours of General Education courses, of which one course must be from each of the									
	core areas: Humanities & Thought, Physical Science (excluding The Earth), Applied Science, and									
	Social Thought & Phenomenon. The remaining courses may be General Education electives.  One non-credit Physical Education course each semester of their first three academic years, two of									
	which must be Freshman PE I and Freshman PE II.  One non-credit Service Education course in the fall and spring semester of an academic year.									
P : :							n academic y	ear.		
Required	Calculus	Calculus	Applied	Applied	Modern	Space				
Courses of	MA1003	MA1004	Mathematic	Mathematic	Physics	Physics I				
the	(3)	(3)	S	S	AP3014	AP3044				
Department			AP2007	AP2008	(3)	(3)				
(57)			(3)	(3)						
	General	PH1002	Mechanics I	Mechanics	Intro to	Ionospheric				
	Physics	General	AP2015	II	Plasma	Physics I				
	PH1001	Physics	(3)	AP2016	Physics I	AP3005				
	(3)	(3)		(3)	AP3037	(3)				
		. ,			(3)					
	General	General	Electricity	Electricity	Data					
	Physics	Physics	and	and	Processing					
	Laboratory	Laboratory	Magnetism	Magnetism	and					
	PH1003	PH1004	I	II	Analysis					
	(1)	(1)	AP2017	AP2018	AP4011					
	(1)	(1)	(3)	(3)	(3)					
	General	Intro to	Thermo-	Computer	(5)					
	Atmospheri		dynamics	Programmi						
	c	Sciences	AP2013	ng and						
	Sciences	AP1004 (1)		_						
		AP1004 (1)	(2)	Graphics II AP2050						
	AP1002(1)									
1		<b>37</b>	Communication of	(2)						
1		Vector	Computer							
		Analysis	Programmi							
		AP1006	ng and							
1		(2)	Graphics I							
			AP2049							
			(2)							
Total	14	16	13	11	9	6	0	0		
Semester	17	10	1.5	11			0			
Credit										

Hours											
Notes	1. The numerical figures in parentheses refer to course credit hours.										
	2.	The minimum number of earned credit hours required for graduation is 138, 87 of which must be from the table of required courses above; students are required to earn a minimum of 25 credit									
		hours of elective courses offered by this Department. A maximum of six credits hours earned from									
		courses offered by departments other than those in the College of Earth Sciences, the College of									
		Sciences, the College of Engineering, and the College of Electrical Engineering and Computer									
		Science may be counted towards the minimum number of credit hours required for graduation.									
	3.	following additional requirements during their term of study at the University:									
		(1) Complete 20 credit hours of courses offered by the non-degree Environment and Earth									
		Sciences Program in the College of Earth Sciences;									
		(2) Complete 20 credit hours of courses offered by the non-degree Earth Sciences Information									
		Program in the College of Earth Sciences;  (2) Complete 16 grad by hours of governor of Fourth Sciences, the College									
		(3) Complete 16 credit hours of courses offered by the College of Earth Sciences, the College of Science, the College of Engineering, and the College of Electrical Engineering and									
		Computer Science.									
	4.	The calculation of semester hours shall not include credit hours earned from General Education									
		courses or History; a maximum of 16 credit hours earned from General Education Courses will be									
		counted towards the minimum number of earned credit hours required for graduation.									
	5. All first-year students are required to take Freshman English.										
	6.	Before b	being permitte	ed to graduate	e, students mu	ist demonstra	te their Engli	ish proficienc	y by		
		reaching a threshold score in one of the English proficiency tests recognized by the Language									
		Center or by passing two semesters of Remedial English; credit hours thus earned may not be									
		counted toward the minimum number required for a baccalaureate degree (for details, refer to the									
		University's Implementation Procedures for Freshman Foreign Language Courses and									
		Implementation Procedures for Remedial English Courses).									
	7.	1 66									
		University's Service Education Implementation Procedures before being permitted to graduate.									