PURDUE UNIVERSITY

Atmospheric Science
College of Science

code-BS
Code-ATSC
120 Credits
"C-"or better required in cc courses

Departmental/Program Major Courses (37 Credits)

Required Major Courses (37 Credits)

_____ (3) EAPS 11700cc Introduction to Atmospheric Science (fall)
_____ (3) EAPS 100-levelcc Earth System Elective
_____ (1) EAPS 13700cc First Year Seminar in EAPS (spring)
_____ (3) EAPS 22500cc Science of the Atmosphere (fall) *(also satisfies Science Selective for core)*
_____ (1) EAPS 22600 Introduction to Atmospheric Science Research (fall)
_____ (3) EAPS 32000 Physics of Climate (spring)
_____ (3) EAPS 42100 Thermodynamics (fall)
_____ (1) EAPS 43100 Synoptic Lab I (spring)
_____ (3) EAPS 42200 Atmospheric Dynamics I (fall)
_____ (3) EAPS 42300 Atmospheric Dynamics II (fall)
_____ (3) EAPS 43200 Synoptic Lab II (fall)
_____ (1) EAPS 43300 Synoptic Lab III (spring)
_____ (3) EAPS 53200 Atmospheric Physics (spring)
_____ (3) EAPS 50900 Data Analysis in Geosciences (fall)
_____ (3) EAPS 49700 Undergraduate Research

Other Departmental /Program Course Requirements (68-74 credits)

_____ (4-5) MA 16100, MA 16500 cc Calculus I Option (satisfies *Quantitative Reasoning Selective* for core)
_____ (4-5) MA 16200, MA 16600 cc Calculus II Option (satisfies *Quantitative Reasoning Selective* for core)
_____ (4) MA 26100 Calculus III (satisfies *Quantitative Reasoning Selective* for core)
_____ (3) MA 26600 Differential Equations (satisfies *Quantitative Reasoning Selective* for core)
_____ (4) CHM 11500ccChemistry *(satisfies Science Selective for core)*
_____ (4) CHM 11600cc Chemistry *(satisfies Science Selective for core)*
_____ (4) PHYS 17200cc Physics I *(satisfies Science Selective for core and Teambuilding and Collaboration Experience)*
_____ (4) PHYS 27200 Physics II *(satisfies Science Selective for core)*
_____ (4) C S 17700 Computing Selective (satisfies Teambuilding and Collaboration Experience)
_____ (3) STAT Statistics Option STAT 30100 (Rec), 35000, 50300, 51100 *(certain courses satisfy Information Literacy Selective for core)*
_____ (3-4) ENGL 10600 or ENGL 10800 *First-Year Composition (satisfies Written Communication & Information Literacy for core)*
_____ (3) Technical Writing Option and Technical Presentation Option *(satisfies Oral Communication for core)* COM 21700 Rec.
_____ (3-4) Language I Option
_____ (3-4) Language II Option
_____ (3-4) Language III/Culture/Diversity Option
_____ (3) General Education I Option(Select courses could satisfy Human Culture Behavioral/Social Science for core)
_____ (3) General Education II Option (Select courses could *satisfy Human Cultures Humanities for core)*
_____ (3) General Education III Option (Select courses could satisfy Humanities Behavioral/Social Science for core)
_____ (3) Great Issues Option
_____ (3) Multidisciplinary Experience (could be satisfied by Science, Technology & Society core classes)

Electives (9-15) credits to reach 120 credits of countable credits) Recommend Science, Technology & Society core course as one elective

_____ ( ) _____ _____ ( ) _____ _____ ( ) _____ _____ ( ) _____
_____ ( ) _____ _____ ( ) _____ _____ ( ) _____ _____ ( ) _____
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University Core Requirements

Human Cultures Humanities	☐	_____	*Science, Technology & Society Selective*	☐	_____
Human Cultures Behavioral/Social Science	☐	_____	*Written Communication*	☐	_____
Information Literacy	☐	_____	*Oral Communication*	☐	_____
Science Selective	☐	_____	*Quantitative Reasoning*	☐	_____
Science Selective	☐	_____			

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The student is ultimately responsible for knowing and completing all degree requirements.
Degree Works is a knowledge source for specific requirements and completion

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Effective Fall 2016

Atmospheric Science

Department of Earth, Atmospheric, and Planetary Sciences

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3	EAPS 11700cc *(fall only) Intro Atns		3	EAPS 100-levelcc Earth System Elective	
4-5	MA 16100or MA 16500cc * Calculus I Option	ALEKS score	1	EAPS 13700cc (spring only) Fr. Seminar	
4	CHM 11500cc * Chemistry	ALEKS or Calc co-req	4-5	MA 16200 or MA 16600 cc * Calculus II Option	Calc I
3-4	ENGL 10600 or ENGL 10800* (1st or 2nd sem) English		4	CHM 11600cc * Chemistry II	CHM 115
			3	Language I Option	
14-16			**15-16**		=32 credits

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	EAPS 22500cc * Sci Atms	Calc I	3	EAPS 32000 Phys of climate calc; physics co req	
4	MA 26100cc * Calculus III	Calc II	3	MA 26600 Diff. Equations	Calc III
4	PHYS 17200cc * Physics I		4	PHYS 27200 Physics II	PHYS 172
3	Language II Option		1	EAPS 431 Synoptic Lab I	
1	EAPS 22600 Intro Atms Research		3	Language III/Culture/Diversity Option	
1	Free Elective				
16			**14** credits		=62

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	EAPS 42100 Thermodynamics	Fr-Soph courses	3	EAPS 42300 Dynamics II	EAPS 422
3	EAPS 42200 Dynamics I	EAPS 421 co: MA266	1	EAPS 43300 Synop Lab III	EAPS 431; EAPS 422 co-req
1	EAPS 43200 Synoptic lab II	MA 261	3	EAPS 53200 Atms Physics	EAPS 421
4	CS 17700 Multimedia Programming	CALC	3	STAT Statistics Option	STAT 30100 Rec
3	Technical Writing/Presentation Option	COM 217 Rec	3	General Education I Option	
			3	Free Elective	
14			**16**		=92 credits

	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	EAPS 50900 Data Analysis in Geos	Calc I	3	Multidisciplinary Experience/STS Selective	
3	EAPS 49700 Undergraduate Research		3	General Education III Option	
3	Great Issues Option		3	Free Elective	
3	General Education II Option		3	Free Elective	
3	Free Elective		1	Free Elective	
15			**13**		=120 credits

*Satisfies a University Core Requirement

Students must earn a "C-" or better in all required cc courses.

120 semester credits required for Bachelor of Science degree.

2.0 Graduation GPA required for Bachelor of Science degree.

2.0 average in EAPS major classes required to graduate.

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