PURDUE UNIVERSITY

Atmospheric Science
College of Science

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

Departmental/Program Major Courses (31 credits)

Required Major Courses (31 credits)

_____ (3) EAPS 10900^ Dynamic Earth (fall) *(also satisfies Science Selective for core)*
_____ (3) EAPS 11700^ Introduction to Atmospheric Science (spring)
_____ (1) EAPS 13700^ First Year Seminar in EAPS (spring)
_____ (3) EAPS 22500^ Science of the Atmosphere (fall) *(also satisfies Science Selective for core)*
_____ (3) EAPS 32000 Physics of Climate (spring)
_____ (3) EAPS 42100 Thermodynamics (fall)
_____ (1) EAPS 43100 Synoptic Lab I (fall)
_____ (3) EAPS 42200 Atmospheric Dynamics I (spring)
_____ (1) EAPS 43200 Synoptic Lab II (spring
_____ (3) EAPS 53200 Atmospheric Physics I (spring)
_____ (3) EAPS 42300 Atmospheric Dynamics II (fall)
_____ (1) EAPS 43300 Synoptic Lab III (fall)
_____ (3) EAPS 53500 Atmospheric Observations and Measurements (fall)

Other Departmental /Program Course Requirements (70-77 credits)

_____ (4-5) MA 161, MA 16500 ^ Calculus I (satisfies *Quantitative Reasoning Selective* for core)
_____ (4-5) MA 16200, MA 16600 ^ Calculus II (satisfies *Quantitative Reasoning Selective* for core)
_____ (4) MA 26100 Calculus III (satisfies *Quantitative Reasoning Selective* for core)
_____ (3) MA 26500 Linear Algebra (satisfies *Quantitative Reasoning Selective* for core)
_____ (3) MA 26600 Differential Equations (satisfies *Quantitative Reasoning Selective* for core)
_____ (4) CHM 11500^Chemistry *(satisfies Science Selective for core)*
_____ (4) CHM 11600^ Chemistry *(satisfies Science Selective for core)*
_____ (4) PHYS 17200^ Physics *(satisfies Science Selective for core and Teambuilding Experience)*
_____ (4) PHYS 27200 Physics *(satisfies Science Selective for core)*
_____ (3) C S 15800 Computer Programming (satisfies Teambuilding Experience)
_____ (3) STAT 30100 Statistics *(satisfies Information Literacy Selective for core)*
_____ (3-4) ENGL 10600 or ENGL 10800 *(satisfies Written Communication & Information Literacy for core)*
_____ (3) COM 21700 Technical writing and communication *(satisfies Oral Communication for core)*
_____ (3-4) Language/Culture Elective I - link
_____ (3-4) Language/Culture Elective II - link
_____ (3-4) Language/Culture Elective III - link
_____ (3) General Education Elective I (Select courses could satisfy Human Culture Behavioral/Social Science for core)-link
_____ (3) General Education Elective II (Select courses could *satisfy Human Cultures Humanities for core)*-link
_____ (3) General Education Elective III (Select courses could satisfy Humanities Behavioral/Social Science for core)- link
_____ (3) Great Issues - link
_____ (3) Multidisciplinary Elective - link (could be satisfied by Science, Technology & Society core classes)

Electives (16 credits --or more if needed to reach 120 credits of countable credits) Recommend Science, Technology & Society core course as one elective - link

_____ ( )	_____	_____ ( )	_____	_____ ( )	_____	_____ ( )	_____
_____ ( )	_____	_____ ( )	_____	_____ ( )	_____	_____ ( )	_____
_____ ( )	_____	_____ ( )	_____	_____ ( )	_____	_____ ( )	_____

University Core Requirements - link

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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Atmospheric Science

Department of Earth, Atmospheric, and Planetary Sciences

http://www.eaps.purdue.edu/for_students/undergraduate/

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite
3	EAPS 10900^ *(fall only) Dynamic Earth	
5	MA 16100^ * Calculus	ALEKS score
4	CHM 11500^ * Chemistry	Calc co-req
4	ENGL 10600* (1st or 2nd sem) English	
16		

Credits	Spring 1st Year	Prerequisite
3	EAPS 11700^ * (spring only) Into Atms	
1	EAPS 13700^ (spring only) Fr. Seminar	
5	MA 16200^ * Calculus II	MA 161
4	CHM 11600^ * Chemistry II	CHM 115
3	Language & Culture	
16		=32 credits

Credits	Fall 2nd Year	Prerequisite
3	EAPS 22500^ * Sci Atms	MA 161
4	MA 26100^ * Calculus III	MA 162
4	PHYS 17200^ * Physics	
3	Language & Culture	
14		

Credits	Spring 2nd Year	Prerequisite
3	EAPS 3200 Phys of climate calc; physics co req	
3	MA 26500 * Linear Algebra	MA 261
4	PHYS 27200 Physics	PHYS 172
3	COM 21700 Tech comm.	
3	Language & Culture	
16		=62 credits

Credits	Fall 3rd Year	Prerequisite
3	EAPS 42100 Thermodynm	Fr-Soph courses
1	EAPS 43100 Synoptic Lab I	EAPS 421 co-req
3	MA 26600 * Differential Equa	MA 261
3	CS Computer programming	CALC
3	General Education Elective	
3	Free Elective	
16		

Credits	Spring 3rd Year	Prerequisite
3	EAPS 42200 Dynamics I	EAPS 421,MA 266
1	EAPS 43200 Synop Lab II	EAPS 431; EAPS 422 co-req
3	EAPS 53200 Atms Physics	EAPS 421
3	STAT Elective * Statistics	
3	General Education Elective	
3	Free Elective	
16		=94 credits

	Fall 4th Year	Prerequisite
3	EAPS 42300 Atms Dynm II	EAPS 422
1	EAPS 43300 Synop Lab III	EAPS 432; EAPS 423 co-req
3	EAPS 53500 Atms Obs & Meas	as above
3	Great Issues	
3	Free Elective	
13		

Credits	Spring 4th Year	Prerequisite
3	Multidisciplinary/STS Elective	
3	General Education Elective	
3	Free Elective	
3	Free Elective	
1	Free Elective	
13		=120 credits

*Satisfies a University Core Requirement

Students must earn a "C-" or better in all required ^ 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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