

Natural Resources and Environmental Science: Air Quality

<https://ag.purdue.edu/oap/pages/major.aspx>

Credits	Course number	Course Title	Prerequisites	Credits	Course number	Course Title	Prerequisites
Fall 1st Year				Spring 1st Year			
0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University		4	BIOL 11000	Fundamentals of Biology I	
0.5	AGR 12200	Introduction to Natural Resources and Environmental Science Academic Programs		3	CHM 11200	General Chemistry	CHM 11100
3	CHM 11100	General Chemistry		3	COM 11400 or COM 21700	Fundamentals of Speech or Science Writing and Presentation	
4	ENGL 10600	First-Year Composition		3	MA 16020	Applied Calculus II	MA 16010
3	MA 16010	Applied Calculus I	ALEKS 75+	2	-----	Elective	
3	NRES 29000	Introduction to Environmental Science					

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Fall 2nd Year				Spring 2nd Year			
4	BIOL 11100 or BTNY 11000	Fundamentals of Biology II or Introduction to Plant Science		3	NRES 23000 or AGRY 33500	Survey of Meteorology or Weather and Climate	
4	CHM 25700	Organic Chemistry	CHM 11200	1	NRES 20000	Introduction to Environmental Careers	
3	NRES 25500	Soil Science	CHM 11100	3	POL 22300	Introduction to Environmental Policy	
3	STAT 30100	Elementary Statistical Methods		2	-----	Ecology Selective	
3	-----	Microeconomics Selective		3	-----	Humanities or Social Science Selective	
				3	-----	Elective	

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Fall 3rd Year				Spring 3rd Year			
3	AGRY 43100 or EAPS 42100	Atmospheric Thermodynamics		3	AGEC 40600	Natural Resource and Environmental Economics	AGEC 20300
3	FNR 35700	Fundamental Remote Sensing		3	EAPS 32000	Physics of Climate	
6	-----	Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective		3	FNR 21000	Natural Resource Information Management	
3	-----	Ecology Selective		3	-----	Air Quality Concentration Selective	
				3	-----	UCC Humanities Selective	

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Fall 4th Year				Spring 4th Year			
3	-----	Air Quality concentration selective		6	-----	Air Quality Concentration Selectives	
3	-----	Biochemistry, biology, chemistry, mathematics, physics, or statistics selectives		3	-----	Humanities or Social Science Selective (30000+ level)	
3	-----	Humanities or Social Science Selective		5	-----	Electives	
3	-----	Written or Oral Communication Selective					
3	-----	Elective					

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120 semester credits required for Bachelor of Science degree.
2.0 GPA required for Bachelor of Science degree.

The highlighted course is considered critical; timely progress toward the degree depends upon steady progress through each course in the plan of study, but this course, in particular, should be completed by the semester indicated.

Consultation with an advisor may result in an altered plan customized for an individual student.

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120 credits required for graduation

Credits	Course number	Course Title
Departmental/Program Major Courses (107 credits)		
Required Major Courses (7 credits)		
1	NRES 20000	Introduction to Environmental Careers
	NRES 23000 or	
3	AGRY 33500	Survey of Meteorology or Weather and Climate
3	NRES 25500	Soil Science
3	NRES 29000	Introduction to Environmental Science
Other Departmental /Program Course Requirements (100 credits) (See Advising Resources)		
3	AGEC 40600	Natural Resource and Environmental Economics
0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University
0.5	AGR 12200	Introduction to Natural Resources and Environmental Science
	AGRY 43100 or	
3	EAPS 42100	Atmospheric Thermodynamics
4	BIOL 11000	Fundamentals of Biology I
	BIOL 11100 or	
4	BTNY 11000	Fundamentals of Biology II or Introduction to Plant Science
3	CHM 11100	General Chemistry
3	CHM 11200	General Chemistry
3	CHM 25700	Organic Chemistry
4	EAPS 32000	Physics of Climate
3	FNR 21000	Natural Resource Information Management
3	FNR 35700	Fundamental Remote Sensing
3	MA 16010	Applied Calculus I (satisfies Quantitative Reasoning for core)
3	MA 16020	Applied Calculus II
3	POL 22300	Introduction to Environmental Policy
3	STAT 30100	Elementary Statistical Methods (satisfies Information Literacy for core)
2	-----	Ecology Selective
3	-----	Ecology Selective
9	-----	Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective
12	-----	Air Quality Selective
3	-----	Microeconomics Selective (satisfies Human Culture Behavioral/Social Science for core)
3	-----	UCC Humanities Selective (satisfies Human Cultures Humanities for core)
3	-----	Humanities or Social Science Selective
3	-----	Humanities or Social Science Selective
3	-----	Humanities or Social Science Selective (30000+ level)
4	ENGL 10600	First-Year Composition (satisfies Written Communication for core)
	COM 11400 or	Fundamentals of Speech Communication or Science Writing and Presentation (satisfies
3	COM 21700	Oral Communication for core)
3	-----	Written or Oral Communication Selective
Electives (13 credits)		
13	-----	Elective

University Core Requirements:

Human Cultures Humanities:	_____	Science, Technology, and Society:	_____
Human Cultures Behavioral/Social Science:	_____	Written Communication:	_____
Information Literacy:	_____	Oral Communication:	_____
Science #1:	_____	Quantitative Reasoning:	_____
Science #2:	_____		

120 semester credits required for Bachelor of Science degree.
2.0 GPA required for Bachelor of Science degree.

College of Agriculture & University Level Requirements:

2.0 GPA required for Bachelor of Science degree.
32 Upper division credits taken from Purdue
9 credits International Understanding: _____
3 credits Multicultural Awareness: _____
9 credits of Hum and/or Social Sciences outside the College of Agriculture: _____