

Natural Resources and Environmental Science: Emerging Environmental Challenges

<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			
6	-----	Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective		3	AGEC 40600	Natural Resource and Environmental Economics	AGEC 20300
6	-----	Emerging Environmental Challenges Selective		3	FNR 21000	Natural Resource Information Management	
3	-----	Ecology Selective		6	-----	Emerging Environmental Challenges Selective	
				3	-----	UCC Humanities Selective	

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Fall 4th Year				Spring 4th Year			
3	-----	Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective		5	-----	Emerging Environmental Challenges Selective	
3	-----	Emerging Environmental Challenges Selective		3	-----	Humanities or Social Science Selective (30000+ level)	
3	-----	Humanities or Social Science Selective		6	-----	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 (106 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 (99 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
_____	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
_____	4	CHM 25700	Organic Chemistry
_____	3	FNR 21000	Natural Resource Information Management
_____	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
_____	20	-----	Emerging Environmental Challenges 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 (14 credits)

14 _____ 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: _____	

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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: _____