

Natural Resources and Environmental Science: Water Quality

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

120 credits required for graduation

Credits	Course number	Course Title
Departmental/Program Major Courses (120 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
3	AGRY 33700	Environmental Hydrology
4	BIOL 11000	Fundamentals of Biology I
	BIOL 11100 or	
4	BTNY 11000	Fundamentals of Biology II or Introduction to Plant Science
3	CE 35500	Engineering Environmental Sustainability
3	CHM 11100	General Chemistry
3	CHM 11200	General Chemistry
4	CHM 25700	Organic Chemistry
3	FNR 20100	Marine Biology
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
12	-----	Water Quality Selective
3	-----	Microeconomics Selective (satisfies Human Culture Behavioral/Social Science for core)
3	-----	<u>UCC Humanities Selective (satisfies Human Cultures Humanities for core)</u>
3	-----	<u>Humanities or Social Science Selective</u>
3	-----	<u>Humanities or Social Science Selective</u>
3	-----	<u>Humanities or Social Science Selective (30000+ level)</u>
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	-----	<u>Written or Oral Communication Selective</u>
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: _____

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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					
14				15			
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	
17				15			
Fall 3rd Year				Spring 3rd Year			
3	CE 35500	Engineering Environmental Sustainability		3	AGEC 40600	Natural Resource and Environmental Economics	AGEC 203
6	-----	Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective		3	AGRY 33700	Environmental Hydrology	
3	-----	Ecology Selective		3	FNR 21000	Natural Resource Information Management	
3	-----	Water Quality Selective		3	-----	UCC Humanities Selective	
				3	-----	Water Quality Selective	
15				15			
Fall 4th Year				Spring 4th Year			
3	FNR 20100	Marine Biology	BIOL 11000	3	-----	Humanities or Social Science Selective (30000+ level)	
3	-----	Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selective		6	-----	Water Quality Concentration Selectives	
3	-----	Humanities or Social Science Selective		5	-----	Electives	
3	-----	Written or Oral Communication Selective					
3	-----	Elective					
15				14			
<p>120 semester credits required for Bachelor of Science degree. 2.0 GPA required for Bachelor of Science degree.</p> <p>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.</p> <p>Consultation with an advisor may result in an altered plan customized for an individual student.</p>							