

Natural Resources and Environmental Science: Water 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					
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			

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 (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	-----	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
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University Core Requirements:

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

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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: _____