

ENVIRONMENT & NATURAL RESOURCES MAJOR ENVIRONMENTAL SCIENCE SPECIALIZATION (A.S.) INTERESTED IN ENVIRONMENTAL SCIENCE MAJOR (B.S.)

This model plan of study is presented as a suggested path to graduate in 4 years with an Associate of Science Degree with a major in Environment & Natural Resources Environmental Science specialization and a Bachelor of Science Degree in Environment & Natural Resources with a major in Environmental Science. It is intended to be a useful guide; however, each student is unique and should review the Degree Requirements and work with their advisor to develop an individualized course plan that best fits their personal academic background and goals.

NOTE: This sheet should not be used in isolation. In order to graduate in a timely manner, students must consult their academic advisor on a regular basis.

Freshman Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>ENGLISH 1110 should be completed by the end of this year.</i>	CHEM	1210	General Chemistry I	5	CRPSOIL	2300T	Intro to Soil Science	3
	ENGLISH	1110.01	First-Year English Composition	3	CRPSOIL	2301T	Intro to Soil Science Lab	1
<i>CHEM 1210 should be completed by the end of this year.</i>	ENR	2100	Intro to Environmental Science	3	ENR	2367	Comm. Env. & Nat. Res. Info	3
	ENVSCT	1201T	Exploring Environmental Sci.	.5	MATH	1151	Calculus I	5
<i>Begin to consider study abroad programs.</i>	GENSTDS	1201.01T	College Orientation	.5	_____	_____	Elective ^a	4-5
	RURLSOC	1500	Intro. Rural Sociology	3				
			Total:	15			Total:	16-17
Sophomore Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>ENR 2100 and 2300 should be completed by the end of this year.</i>	AEDECON	2001	Principles of Food & Resource Economics	3	BIOLOGY	1114	Form, Function, Diversity, and Ecology	4
<i>All Writing requirements should be completed by the end of this year.</i>	BIOLOGY	1113	Energy Transfer and Development	4	ENGTECH	2050T	Intro to Geographic Information Systems	3
<i>Apply to graduate from ATI at least one semester before the semester of your graduation.</i>	COMLDR	3537	Data Analysis in the Applied Sciences	3	_____	_____	Arts/Hum	6
	ENR	2300	Society and Natural Resources	3				
<i>Graduate with Associate of Science Degree.</i>	_____	_____	Arts/Hum	3				
			Total:	16			Total:	13
Total credit hours for Associate of Science Degree: 60-61								
Junior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Apply to graduate from Columbus at least three semesters before the semester of your graduation.</i>	CHEM	1220 or	General Chemistry II (if not taken at ATI)	5	EARTHSCI	1121	The Dynamic Earth	4
	PHYSICS	1200	Mech. Kinematics Fluids, Waves (if CHEM 1220 taken at ATI)		ENR	3300	Intro. to Forestry, Fisheries & Wildlife	3
	EEOB	3410	Ecology	4	ENR	3500 or	Community, Environ. & Development Specialization Course	3
	ENR	3280	Water Quality Mgmt.	2	_____	_____	Specialization Course	3
	ENR	3400 or	Psychology of Environment Problems	3	_____	_____	Specialization Course	3
	_____	_____	Specialization Course		_____	_____	Specialization Course	3
	_____	_____	Specialization Course	3				
			Total:	17			Total:	16
Senior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Maintain at least a 2.0 GPA in the major, minor, and cumulative.</i>	CHEM	2310	Intro. Organic Chem.	4	ENR	3200	Nat. Resources Policy	3
	ENR	4900.01	Env. & Nat. Resources Mgmt.	3	ENR	3470	Religion & Environ. Values in America	3
<i>Graduate with Bachelor of Science Degree.</i>	PHYSICS	1200 or	Mechanics, Kinematics Fluids, Waves (if not already completed)	4-5	_____	_____	Specialization Course	4
	_____	_____	Specialization Course		_____	_____	Specialization Course	4
	_____	_____	Specialization Course	3				
			Total:	14-15			Total:	14
Total credit hours for Bachelor of Science Degree: 121-123								

^a CHEM 1220 (suggested) or PHYSICS 1200 (suggested), [ENGTECH 2040T or MICRBIO 4000 are additional options, but do not fulfill requirements in the BS degree program].

ENVIRONMENT & NATURAL RESOURCES MAJOR ENVIRONMENTAL SCIENCE SPECIALIZATION (A.S.) INTERESTED IN ENVIRONMENTAL SCIENCE MAJOR (B.S.)

This advising sheet is for Ohio State ATI students that wish to earn both an Associate of Science (A.S.) Degree with a major in Environment and Natural Resources Environmental Science specialization and a Bachelor of Science (B.S.) Degree with a major in Environmental Science. The tables below outline the complete degree requirements for the B.S. in Environment and Natural Resources – Environmental Science major. The underlined courses also represent those that fulfill a requirement for the A.S. Environment and Natural Resources major. These courses can count toward both degree programs simultaneously.

NOTE: This sheet should not be used in isolation. In order to graduate in a timely manner, students must consult their academic advisor on a regular basis.

Subject	Course Options	Hours	✓
Writing Level 1	<u>ENGLISH 1110</u>	3	
Writing Level 2	<u>ENR 2367</u> or other course from approved CFAES GE list. ^a	3	
Literature	<u>COMPSTD 2301</u> ▲ or other course from approved CFAES GE list. ^a	3	
Art	<u>MUSIC 2250</u> ▲ or other course from approved CFAES GE list. ^a	3	
Historical Study	<u>HISTORY 1152</u> or other course from approved CFAES GE list. ^a	3	
Culture & Ideas or Historical Study	ENR 3470 recommended (or other course from approved CFAES GE list ^a)	3	
Social Science 1	<u>RURLSOC 1500</u> ● or other course from approved CFAES GE list. ^a	3	
Social Science 2	<u>AEDECON 2001</u> or ECON 2001	3	
Data Analysis	<u>COMLDR 3537</u> or Equivalent GE data any course.	3	
Math	<u>MATH 1151</u> or 1156	5	
Physical Science 1	<u>CHEM 1210</u>	5	
Physical Science 1	CHEM 1220	5	
Biological Science	<u>BIOLOGY 1113</u>	4	
Additional Science	<u>BIOLOGY 1114</u> or other GE nat sci bio or phys course.	4	
Additional Science	<u>CRPSOIL 2300T* and 2301T*</u> or ENR 3000 and 3001	4	
Additional Science	EARTHSC 1121	4	
Additional Science	PHYSICS 1200	5	
SENR Core	See Table 2.	22	
Major	See Table 3.	37	
Electives	-----	0	
Minimum Total Credit Hours		122	

Course(s)	Hours	✓
<u>GENSTDS 1201.01T* and ENVSCT 1201T*</u> (College Orientation and Exploring Environmental Science) OR ENR 1100 (ENR Survey)	1	
<u>ENR 2100</u> Introduction to Environmental Science	3	
<u>ENR 2300</u> Society and Natural Resources	3	
ENR 3200 Natural Resources Policy	3	
ENR 3300 Intro to Forestry, Fisheries and Wildlife	3	
ENR 3400 Psychology of Environmental Problems or ENR 3500 Community, Environment and Development	3	
<u>ENGTECH 2050T*</u> Intro to Geographic Info. Systems OR ENR 3700 Intro to Spatial Info. for Natural Resources	3	
ENR 4900.01 Natural Resources Management	3	
Total SENR Core Credit Hours	22	

Course(s)	Hours	✓
Environmental Science Major Core Requirements		
CHEM 2510 Organic Chemistry I or CHEM 2310 Intro. Organic Chemistry	4	
EEOB 3410 Intro. to Ecology	4	
ENR 3280 Water Quality Management	2	
Total Major Core Credit Hours	10	
Environmental Science Specializations^b		
Ecosystem Restoration	27	
Environmental Molecular Science		
Environmental Science Education		
Soil Resources & Environmental Sustainability		
Water Science		
Total Environmental Science Major Credit Hours	37	

^a Available at www.cfaes.osu.edu/students

^b Choose one specialization to complete Environmental Science major. For specialization requirements, see B.S. major sheets available at www.senr.osu.edu/undergraduate. See A.S. electives list for ATI courses that fulfill these requirements.

* courses are only offered at the Wooster (ATI) Campus

Note: A capital **OR** separates a pair of *equivalent* courses, a lowercase **or** separates a choice between *different* courses that fulfill the same requirement

Additional Bachelor's Degree Requirements:

1. All students must complete at least one Social Diversity (●) course and two Global Issues (▲) courses. Please see the approved CFAES GE list for additional options.
2. A 2.00 cumulative CPHR is required as well as a 2.00 CPHR in the major and minor coursework.
3. Students must complete a minimum of 30 credit hours at The Ohio State University with at least 12 in the department in Columbus offering the major.
4. Applications to graduate must be submitted at least three semesters in advance.