

**ENVIRONMENT & NATURAL RESOURCES MAJOR NATURAL RESOURCE MANAGEMENT SPECIALIZATION (A.S.)
INTERESTED IN ENVIRONMENT, ECONOMY, DEVELOPMENT & SUSTAINABILITY 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, Natural Resource Management specialization and a Bachelor of Science Degree in Environment & Natural Resources with a major in Environment, Economy, Development & Sustainability. 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>	ENGLISH	1110.01	First-Year English Composition	3	CHEM	1110	Elementary Chemistry	5
	ENR	2100	Intro to Environmental Science	3	ENR	2367	Communicating Env. & Nat. Res. Information	3
<i>Chemistry requirement should be completed by the end of this year.</i>	ENVSCT	1201T	Exploring Environmental Science	.5	RURLSOC	1500	Intro. Rural Sociology	3
<i>Begin to consider study abroad programs.</i>	GENSTDS	1201.01T	College Orientation	.5	_____	_____	Elective	4
	MATH	1148	College Algebra	4				
	_____	_____	Arts/Hum	3				
			Total:	14			Total:	15
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	1113	Energy Transfer and Development	4
<i>Second writing course should be completed by the end of this year.</i>	COMLDR	3537	Data Analysis in the Applied Sciences	3	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>	ENR	2300	Society and Natural Resources	3	_____	_____	Arts/Hum	3
	_____	_____	Arts/Hum	3	_____	_____	Open Sci. Option/Electives	6-7
<i>Graduate with Associate of Science Degree.</i>	_____	_____	Open Sci. Option/Electives	3				
			Total:	15			Total:	16-17
					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>Experiential Learning should be completed by the end of this summer.</i>	AEDECON	4310	Environment & Nat. Resource Econ.	3	AEDECON	3680	Regional Economics & Sustainable Growth	3
	ENR	2500	Intro. to Environ., Economy, Development & Sustainability	3	AEDECON	4330	Sustainable Economy: Concepts & Methods	3
<i>Apply to graduate from Columbus at least three semesters before the semester of your graduation.</i>	ENR	3900	Sustainability Metrics	4	ENR	3500	Community, Environ. & Development	3
	_____	_____	Specialization Course or Open Science Option (if not taken at ATI)	3	AEDECON/ENR	_____	Experiential Learning/Internship	2
	_____	_____	Specialization Course	3	_____	_____	Lit/Art/Hist/Cul&Ideas (course not taken at ATI)	3
			Total:	16	_____	_____	Specialization Course	3
							Total:	17
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>	AEDECON	4597.01	Probs. & Pols. in World Pop., Food & Environ.	3	AEDECON/ENR	4567	Assessing Sustainability: Project Experience	3
<i>Graduate with Bachelor of Science Degree.</i>	BUSADMIN	3640.02	Sustainability in Business I: Principles and Concepts	3	BUSADMIN	3642.02	Sustainability in Business II: Apps., Solns. & Proj. Exp.	3
	ENR	3200	Nat. Resources Policy	3	_____	_____	Specialization Course	4
	RURLSOC	5500	Diffusion of Innovations	3	_____	_____	Specialization Course	4
	_____	_____	Specialization Course	4				
			Total:	16			Total:	14
					Total credit hours for Bachelor of Science Degree: 123-124^a			

^a A minimum of 121 total credit hours is required to graduate in the Environment, Economy, Development, and Sustainability major. This total includes ENGTECH 2050T, a 3 credit hour course, which substitutes for a 2 credit hour required course (ENR 3700). See *Degree Requirements* for complete details.

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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, Natural Resource Management specialization and a Bachelor of Science (B.S.) Degree with a major in Environment, Economy, Development & Sustainability. The tables below outline the complete degree requirements to earn a B.S. in Environment and Natural Resources with a major in Environment, Economy, Development & Sustainability. The underlined courses are those that also fulfill a requirement for the A.S. Environment and Natural Resources major. These courses can count toward both degree programs simultaneously.

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Subject	Course Options	Hours	✓
Writing Level 1	<u>ENGLISH 1110</u>	3	
Writing Level 2	ENR 2367 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	<u>RELSTDS 2370</u> 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>ENR 2300</u>	3	
Social Science 3	<u>AEDECON 2001</u> or ECON 2001	3	
Data Analysis	<u>COMLDR 3537</u> or Equivalent GE data analysis course.	3	
Analysis Methods	<u>ENGTECH 2050T</u> * OR ENR 3700	2	
Math	<u>MATH 1148</u> or 1130	4	
Physical Science	<u>CHEM 1110</u> or 1210 or other GE nat sci phys course with lab.	4-5	
Biological Science	<u>BIOLOGY 1113</u> or 1101	4	
Additional Science	<u>ENR 2100</u>	3	
Open Science Option	<u>CRPSOIL 2300T</u> * or ENR 3000 or EARTHSC 1151 or 2204 or 2210 or GEOG 2800 or 3900	3	
Major	See Table 2.	61-64	
Electives	-----	9	
Minimum Total Credit Hours		121-125	

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

^b Choose one specialization to complete EEDS 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

Course(s)	Hours	✓
EEDS Core Requirements		
GENSTDS 1201.01T* and ENVSTC 1201T* (College Orientation and Exploring Environmental Science) OR ENR 1100 (ENR Survey)	1	
AEDE/ENR 2500 Introduction to Environment, Economy, Development and Sustainability	3	
AEDECON 4597.01 Problems & Policies in World Population, Food, and Environment	3	
AEDECON 3680 Regional Economics & Sustainable Growth	3	
AEDECON 4310 Environment and Natural Resource Econ.	3	
AEDECON 4330 The Sustainable Economy: Concepts & Mthds	3	
BUSADMIN 3640.02 Intro to Sustainability in Business I: Principles & Concepts	3	
BUSADMIN 3642.02 Intro to Sustainability in Business II: Applications, Solutions & Project Experience	3	
ENR 3200 Natural Resources Policy	3	
ENR 3500 Community, Environment and Development	3	
ENR 3900 Sustainability Metrics	4	
RURLSOC 5500 Diffusion of Innovations	3	
Total EEDS Core Credit Hours	35	
Experiential Learning Requirements		
Capstone Course: AEDECON/ENR 4567 Assessing Sustainability: Project Experience	3	
Internship (AEDECON or ENR 4191) or Study Abroad (AEDECON or ENR 5797)	2-5	
EEDS Specializations^b		
Sustainability & Business	21	
Environmental Economics and Policy Analysis		
Community Development		
International Development		
Minimum Total EEDS Major Credit Hours	61-64	

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.