

**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>	AEDECON	2001	Principles of Food & Resource Economics ^a	3	CHEM	1110	Elementary Chemistry ^a	4-5
<i>Chemistry requirement should be completed by the end of this year.</i>	ENGLISH	1110.01	First-Year English Composition ^a	3	CRPSOIL	2300T	Intro to Soil Science	3
<i>Begin to consider study abroad programs.</i>	ENR	2100	Intro to Environmental Science	3	ENR	2367	Comm Env & Nat. Res Info	3
	ENVSCT	1201T	Exploring Environmental Sci.	.5	GENED	1200	GE Launch Seminar	1
	GENSTDS	1201.01T	College Orientation	.5	_____	_____	GE Lit, Vis & Perf Arts	3
	MATH	1148	College Algebra ^a	4	_____	_____	Electives	2
			Total:	14			Total:	16-17
Sophomore Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Apply to graduate from ATI at least one semester before the semester of your graduation.</i>	AGRCOMM	3130	Oral Expression in Agriculture	3	ENR	3300	Introduction to FFW	3
<i>Graduate with Associate of Science Degree.</i>	COMLDR	3537	Data Analysis in the Appl. Sci.	3	_____	_____	GE Hist & Cultural Sciences	3
	ENR	2300	Society and Natural Resources	3	_____	_____	GE R.E. & G. Diversity	3
	ENR	3280	Water Quality Management	2	_____	_____	Electives	6
	_____	_____	Electives	5				
			Total:	16			Total:	15
Total credit hours for Associate of Science Degree: 61-62								
Junior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>ooExperiential 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
<i>Apply to graduate from Columbus at least three semesters before the semester of your graduation.</i>	ENR	2500	Intro. to Environ., Economy, Development & Sustainability ❖	3	AEDECON	4330	Sustainable Economy: Concepts & Methods	3
	ENR	3900	Sustainability Metrics	4	ENR	3500	Community, Environ. & Development ❖	3
	_____	_____	GE Citizenship Theme #1 ^b	3-4	BIOLOGY	choice	Biology (1101 or 1113.01) or Specialization Course	4
			Total:	13-14	_____	_____	Specialization Course or Physical Science with lab	4-5
							Total:	17-18
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	GENED	4001	GE Reflection	1
	ENR	3700	Intro to Spatial Info. for Natural Resources	3	_____	_____	Specialization Course	8
	RURLSOC	5500	Diffusion of Innovations	3	_____	_____	Specialization Course or GE Citizenship Theme #2 ^b	3
	_____	_____	Specialization Course	3				
			Total:	18			Total:	18
Total credit hours for Bachelor of Science Degree: 121								

^a One possible course from approved GE list OR prerequisites and/or corequisites to this major and can also fulfill certain GE Requirements, as outlined in corresponding Degree Requirements document.

^b Students complete either a 4-credit course or two 3-credit courses in each of two General Education Theme areas: Citizenship for a Diverse & Just World (required), and the student's choice of available GE Themes. If any major-required courses are identified as a GE Theme course, one course in each GE Theme area may double count in the GE and major hours. Theme courses are identified with a ❖ symbol.

**ENVIRONMENT & NATURAL RESOURCES MAJOR NATURAL RESOURCE MANAGEMENT SPECIALIZATION (A.S.)
INTERESTED IN ENVIRONMENT, ECONOMY, DEVELOPMENT & SUSTAINABILITY 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, 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.

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.

Table 1. Degree Requirements			
Subject	Course Options	Hours	✓
GE Launch Seminar	<u>GENED 1201</u>	1	
Writing and Information Literacy	<u>ENGLISH 1110.01</u>	3	
Mathematical & Quantitative Reasoning/Data Analysis	<u>MATH 1148</u> or 1130	4	
Literary, Visual and Performing Arts	<u>Student Choice</u>	3	
Historical & Cultural Studies	<u>Student Choice</u>	3	
Natural Science	BIOLOGY 1101 or 1113.01	4	
Social & Behavioral Sciences	<u>ENR 2300</u>	3	
Race, Ethnic and Gender Diversity	<u>Student Choice</u>	3	
Theme: Citizenship for a Diverse & Just World ^a	Student Choice	4-6	
Theme: Student Choice ^a	Student Choice (recommend overlap from Core)	4-6	
GE Reflection	GENED 4001	1	
Major	See Table 2.	60	
Supporting Courses	See Table 3.	22-23	
Electives	-----	0-6	
Minimum Total Credit Hours		121	

Table 2. Major Requirements		
Course(s)	Hours	✓
EEDS Core Requirements		
GENSTDS 1201.01T* and ENVSC1 1201T* (College Orientation and Exploring Environmental Science) OR ENR 1100 (ENR Survey)	1	
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 2500 Introduction to Sustainability ❖	4	
ENR 3200 Natural Resources Policy ❖ or AEDECON 4003 Economics of Public Policy Analysis	3	
ENR 3500 Community, Environment and Development ❖	3	
FABE/ENVENG 5310 Ecological Engineering and Science or ENR 3900 Sustainability Metrics	4	
RURLSOC 5500 Diffusion of Innovations or ENR 5400 Interventions to Promote Pro-Environ. Behavior	3	
Total EEDS Core Credit Hours	36	
Experiential Learning Requirements		
Capstone Course: AEDECON/ENR 4567 Assessing Sustainability: Project Experience	3	
Total Experiential Learning Credit Hours	3	
EEDS Specializations^b		
Sustainability & Business	21	
Environmental Economics and Policy Analysis		
Community and International Development		
Total EEDS Major Credit Hours	60	

Table 3. Major Supporting Courses		
Course(s)	Hours	✓
ENGTECH 2050T* Intro to Geographic Info. Systems OR ENR 3700 Intro to Spatial Info. for Natural Resources or GEOG 5210 Fundamentals of GIS	3	
<u>AEDECON 2001</u> or ECON 2001 Microeconomics	3	
<u>ENR 2100</u> Introduction to Environmental Science	3	
Physical Science w/ Lab (<u>CHEM 1110</u>)	4-5	
Open Science option. Choose from: EARTHSC 1151, 2203, 2204, 2210, ENR 2155, 3000 OR CRPSOIL 2300T*, GEOG 2800, 3900, 3901H	3	
ENR 2000 or AEDECON 2005 or <u>COMLDR 3537</u> Data Analysis	3	
<u>ENR 2367</u> Communicating ENR Information	3	
Total Major Supporting Courses Credit Hours	22-23	

^a Students complete either a 4-credit course or two 3-credit courses in each of two General Education Theme areas: Citizenship for a Diverse & Just World (required), and the student's choice of available GE Themes. If any major-required courses are identified as a GE Theme course, one course in each GE Theme area may double count in the GE and major hours. Theme courses are identified with a ❖ symbol.

^b Choose one specialization to complete EEDS major. For specialization requirements, see B.S. major sheets available at www.senr.osu.edu/undergraduate.

* 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. A 2.00 cumulative CPHR is required as well as a 2.00 CPHR in the major and minor coursework.
2. 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.
3. Applications to graduate must be submitted at least three semesters in advance.