

**ENVIRONMENT & NATURAL RESOURCES MAJOR NATURAL RESOURCE MANAGEMENT SPECIALIZATION (A.S.) INTERESTED
IN NATURAL RESOURCE MANAGEMENT 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 Natural Resource Management. 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	
ENGLISH 1110 should be completed by the end of this year.	AEDECON	2001	Principles of Food & Resource Economics ^a	3	CHEM	1110	Elementary Chemistry ^a	4-5	
Chemistry requirement should be completed by the end of this year.	ENGLISH	1110.01	First-Year English Composition ^a	3	CRPSOIL	2300T	Intro to Soil Science	3	
	ENR	2100	Intro to Environmental Science	3	ENR	2367	Communicating Env. & Nat. Res. Information	3	
Begin to consider study abroad programs.	ENVSCT	1201T	Exploring Environmental Science	.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	
Apply to graduate from ATI at least one semester before the semester of your graduation.	AGRCOMM	3130	Oral Expression in Agriculture	3	ENR	3300	Introduction to FFW	3	
	COMLDR	3537	Data Analysis in the Applied Sciences	3	_____	_____	GE Hist & Cultural Sciences	3	
Graduate with Associate of Science Degree.	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	
Experiential Learning should be completed by end of this summer.	BIOLOGY	1113.01	Energy Transfer & Dev.	4	AEDECON	4310	Environment & Natural Resource Econ.	3	
	_____	1114.01	or Form, Func, Div & Ecology or Specialization Course						
Apply to graduate from Columbus at least three semesters before the semester of your graduation.	ENR	3400	Psychology of Env. Probs. ❖ or Specialization Course	3	ENR	3500	Comm., Environ. & Dev. ❖ or Specialization Course	3	
	ENR	3700	Intro to Spatial Info. for Natural Resources	3	ENR	3600	Mgmt. of Public Lands	2	
	_____	_____	GE Citizenship Theme #1 ^b	3-4	_____	_____	GE Citizenship Theme #2 ^b or Specialization Course	3	
	_____	_____	Specialization Course	3	_____	_____	Specialization Course	3	
			Total:	16-17			Total:	14	
Senior Year (Columbus)	Autumn Semester				Spring Semester				
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours	
Maintain at least a 2.0 GPA in the major, minor, and cumulative.	ENGLISH	3305	Technical Writing	3	ENR	3200	Nat. Resources Policy ❖	3	
	ENR	4900.02	Env. & Nat. Res. Mgmt.	3	GENED	4001	GE Reflection	1	
Graduate with Bachelor of Science Degree.	ENR	5642	Nat. Res. Admin. & Mgmt.	3	_____	_____	GE Theme Choice #2 ^b	3	
	_____	_____	Specialization Course	3	_____	_____	Specialization Courses or Electives	8	
	_____	_____	Specialization Course	3					
			Total:	15			Total:	15	
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.

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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 Natural Resource Management. The tables below outline the complete degree requirements for the B.S. in Environment and Natural Resources – Natural Resource Management 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.

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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	<u>CHEM 1110</u>	5	
Social & Behavioral Sciences	<u>ENR 2300</u> (overlap with Core)	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	
SENR Core	See Table 2.	19	
Major	See Table 3.	42-47	
Supporting Courses	See Table 4.	16	
Electives	-----	3-11	
Minimum Total Credit Hours		121	

^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 NRM 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

Table 2. SENR Core Requirements		
Course(s)	Hours	✓
GENSTDS 1201.01T* and ENVST 1201T* (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	--	
ENR 3200 Natural Resources Policy ❖	3	
<u>ENR 3300</u> Intro to Forestry, Fisheries and Wildlife	3	
ENR 3400 Psychology of Environmental Problems ❖ or ENR 3500 Community, Environment and Development ❖	3	
ENGTECH 2050T* Intro to Geographic Info. Systems OR ENR 3700 Intro to Spatial Info. for Natural Resources	3	
ENR 4900.02 Environment & Natural Resources Management	3	
Total SENR Core Credit Hours	19	

Table 3. Major Requirements		
Course(s)	Hours	✓
NRM Major Core Requirements		
ENR 3600 Management of Recreation Lands	3	
ENR 5642 Natural Resources Administration & Management	3	
ENGLISH 3305 Technical Writing	3	
AEDECON 4310 Environment and Natural Resource Econ.	3	
Total NRM Major Core Credit Hours	12	
NRM Specializations^b		
<i>NRM Administration & Management</i>	32	
<i>Parks and Recreation</i>	28-33	
Total NRM Major Credit Hours	42-47	

Table 4. Major Supporting Courses		
Course(s)	Hours	✓
BIOLOGY 1113.01 Energy Transfer & Development or BIOLOGY 1114.01 Form, Func, Div & Ecology	4	
<u>CRPSOIL 2300T*</u> OR ENR 3000 Soil Science	3	
ECON 2001 or <u>AEDECON 2001</u> Microeconomics	3	
ENR 2000 or <u>COMLDR 3537</u> Data Analysis	3	
<u>ENR 2367</u> Communicating ENR Information	3	
Total Major Supporting Courses Credit Hours	16	

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.