

Sample Curriculum Plan - Environmental Science: Ecosystem Restoration - AU17

	Autumn				Spring				Summer
	Course	Credit Hrs	Offered	Prerequisite	Course	Credit Hrs	Offered	Prerequisite	Course
First Year	ENR 1100	1	AU/SP		ENR 2300	3	AU/SP/SU		Internship or Study Abroad (recommended)
	ENR 2100	3	AU/SP/SU		GE ¥	3	-	dependent on category and course	
	CHEM 1210	5	AU/SP/SU	C- or better in MATH 1130, 1131, 1148, 1150 or above, or Math placement L or M	CHEM 1220	5	AU/SP/SU	CHEM 1210	
	MATH 1151 or MATH 1156	5	AU/SP/SU; AU	dependent on math placement	ENGLISH 1110	3	AU/SP/SU		
	Total Credit Hours	14			Total Credit Hours	14			
Second Year	BIOLOGY 1113	4	AU/SP/SU	MATH 1130, 1148, 1150 or above, or placement L or M; prereq/concur CHEM 1110, 1210 or above	ENR 3300	3	AU/SP/SU	ENR 2100	Internship or Study Abroad (recommended)
	CHEM 2310	4	AU/SP	CHEM 1220, CHEM 1250	BIOLOGY 1114	4	AU/SP/SU	MATH 1130, 1148, 1150 or above, or placement L or M; prereq/concur CHEM 1110, 1210 or above	
	ENR 3280	2	AU/SP		ENR 3800	2	SP(AU only in 2019)	ENR 2100 or BIOLOGY 1114	
	ENR 2367 or GE Writing and Comms lvl 2	3	AU/SP	English 1110	ENR 3000	3	AU/SP	prereq or concur: ENR 3000	
	ENR 3400, 3500 or GE ¥	3	AU	ENR 2300 or PSYCH 1100; Take ENR 3400 in AU or ENR 3500 in AU/SP; in alternate semester take a GE	ENR 3500 or GE ¥	3	AU/SP	ENR 2300 or RURLSOC 1500 or SOCIOL 1101	
	Total Credit Hours	16			Total Credit Hours	16			
Third Year	ENR 4800	2	AU	ENR 3800	ENR 3200	3	AU/SP	ENR 2100 and 2300	Internship or Study Abroad (recommended)
	AEDECON 2001; or ECON 2001.01	3	AU/SP; AU/SP/SU		EEOB 3410	4	AU/SP/SU	BIOLOGY 1114	
	EARTHSC 1121 & EARTHSC 1200 †	4	AU/SP/SU	MATH 1075 or above	Physics 1200	5	AU/SP/SU	C- or better in MATH 1148 or Math placement M	
	ENR 3700	3	AU/SP		Specialization Course	2-3	AU/SP	dependent on course	
	GE ¥	3	-	dependent on category and course	ENR 2000; or STAT 1450	3	AU/SP; AU/SP/SU	MATH 1116 or 1130 or above; or placement L or M	
Total Credit Hours	15			Total Credit Hours	17-18				
Fourth Year	Specialization Course	3	AU/SP	dependent on course	ENR 4900	3	AU/SP	permission of instructor	
	Specialization Course	2-4	AU/SP	dependent on course	ENR 5560	3	SP	ENR 3800 & 4800	
	ENR 5279	3	AU		GE ¥	3	AU/SP	dependent on course	
	Specialization Course	3	-	dependent on category and course	Specialization Course	3	AU/SP	dependent on course	
	GE ¥	3	-	dependent on category and course	Directed Elective	0-4	*	dependent on course	
Total Credit Hours	14-16			Total Credit Hours	12-16				

*see other side

¥ Plan to overlap the GE Diversity requirement with courses in the GE Social Science and/or GE Humanities courses: Of the five courses in these categories, one course should also meet the Social Diversity in the US (dot) requirement, and two courses should also meet the Global Studies (triangle) requirement. Not overlapping the three GE Diversity requirements with the other GE categories means you will need to take additional courses in order to graduate.

† Starting AU21, EARTHSC 1200 must be taken with EARTHSC 1121 to fulfill lab requirement

PLEASE NOTE: course offering dates and prerequisites may have changed. For the most up-to-date information, check the University's online course search and course catalog through BuckeyeLink.
For a personalized report on degree progress, you can run a degree audit. You may access your degree audit through BuckeyeLink.

Entering as a transfer student:
Students joining the major as a new transfer student or transferring from another OSU major will need to modify the curriculum roadmap to meet their needs. Courses to focus on during the first year in the major include:

1st Semester: **ENR 2100, MATH 1151/1156, and CHEM 1210**
2nd Semester: **CHEM 1220, and BIOLOGY 1113**

Degree Total: 121 hours

Revised
2/14/2024

Ecosystem Restoration - Options for Required Courses and Directed Electives

	Course	Credit Hours	Terms Offered	Pre-Reqs
Ecosystem Science	<i>Ecology of Terrestrial Ecosystems</i>			
	EEOB 5470	3	odd yr SP	EEOB 3410
	ENR 3322	3	AU	prereq/concur: ENR 2100, 2300, & 3321, or permission of instructor
	ENR 5263	3	SP	ENR 3000
	MICRBIO 5155	3	AU	MICRBIO 4000 or 4100
	ENTMLGY/PLNTPH 5110	3	odd yr SP	
	ENR/ENVENG/FABENG 5310	4	SP	One course in Biology, Ecology, Engineering or Geology, & Jr. standing or above
	HCS 2204 & 2205 (previously 2201/HCS 2201E)	4	AU	honors standing for HCS 2201E
	HCS 5422	3	AU	HCS 3100, 3200 or 3470, and BIOLOGY 1101 or 1113
	HCS 5412	3	AU	HCS 2201, 2202, and BIOLOGY 1101 or 1113
	HCS 5602	3	SP	ENR 3000, and 6 semester hrs of HCS at 3000-level or above
	HCS 5730	3	SP	HCS 3420
	<i>Ecology of Aquatic and Wetland Ecosystems</i>			
	EEOB 5420	4	AU/SU	EEOB 3410 or permission of instructor
	ENR 4285	3	SP	CHEM 1210 and MATH 1151/1156
ENR 5250.01	3	AU	EEOB 3410	
ENR 5250.02	1	AU	Prereq or concur: ENR 5250.01	
ENR 5280	4	AU	ENR 3300	
Resource Management & Conservation	<i>Ecosystem Management and Conservation</i>			
	EEOB 2410	3	SP	1 course in life sciences, or permission of instructor
	ENR 3335.01	2	AU	
	ENR 3335.02	1	AU	prereq or concur: ENR 3335.01
	ENR 5340	3	AU	Sr. standing or permission of instructor
	ENR 4342	3	SP	ENR 3300 or permission of instructor
	ENR 5370	3	SP	ENR 3300 or permission of instructor
	HCS 5422	3	AU	HCS 3100, 3200 or 3470, and BIOLOGY 1101 or 1113
	AGSYSMT 2370	2	AU	
	<i>Soil Resource Management and Conservation</i>			
	ENR 5273	3	SP	2 semesters of chemistry
	ENR 4260	3	SP	ENR 3000 or permission of instructor
	ENR 5262	3	AU	One Semester of Chemistry, or Grad standing, or permission of instructor
	ENR 5268	2	SP	
	ENR 5270	3	AU	ENR 3000 or permission of instructor
<i>Plant Production for Restoration</i>				
HCS 3320	3	SP	HCS 2202	
HCS 3420	3	AU	HCS 2201 or 2202, or permission of instructor	
HCS 3521	2	AU	HCS 2200, 2201, or 2202	
Field Monitoring & Assessment	ENR 5279	3	AU	
	EEOB 4430	2	SU/May	EEOB 3410
	ENR 5260	3	SP- even years only	ENR 3000 & 3001, or permission of instructor
	ENR 3323	3	SP	ENR 2000 or STAT 1450
	ENR 4345	4	AU	ENR 2100, or permission of instructor
	ENR 5362	3	SP (SP25 and after)	ENR 2000 or STAT 1450, and ENR 3300
	EEOB 4950	2	SU Session 3	12 semester hrs in Biol. Sciences, GPA 2.5 or above & Jr standing or above; or permission of instructor
Species Ecology, Identification & Recording	ENR 4610	3	SP	
	ENR 3321 OR EEOB 2210 OR HCS 2340 OR HCS 2202	3	AU SU/AU	4 sem hrs in Biological Sciences
	ENR/ENTMLGY 5350.01 OR ENTMLGY 4000	3	SP AU	Biology 1114 or 1114H
	ENR 5350.02	3	AU	
	ENR 5364.01	3	AU	ENR 3300 or permission of instructor
	ENR 5364.02 OR ENR 2360 (Stone Lab) OR EEOB 2220	3	SP SU SP	ENR 3300 or permission of instructor None 4 semester credit hrs in Biological Sciences
	PLNTPH 5040	3	AU	A course in biological sciences, or permission of instructor
	PLNTPH 5041	1	AU	A course in biological sciences, or permission of instructor; concur: 5040
	Ecosystem History & Environmental Change	ANTHROP 5614	3	AU
ANTHROP 5623		3		
ANTHROP 3350		3	AU	ANTHROP 2201 or permission of instructor
GEOG 3900		3	AU/SP	
PHILOS 2342		3	AU	
Practical Exper. in Restoration	ENR 4191	2	AU/SP/SU	Permission of instructor
	ENR 4998 or ENR 4999 or ENR 4999H	1-3	AU/SP/SU	Permission of instructor

Additional courses may be used with faculty mentor approval.