

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 ENR 2100 CHEM 1210 MATH 1151 or MATH 1156 Total Credit Hours	1 3 5 5 14	AU/SP AU/SP/SU AU/SP/SU AU/SP/SU; AU	<i>C- or better in MATH 1130, 1131, 1148, 1150 or above, or Math placement L or M</i> <i>dependent on math placement</i>	ENR 2300 GE ¥ CHEM 1220 ENGLISH 1110 Total Credit Hours	3 3 5 3 14	AU/SP/SU - AU/SP/SU AU/SP/SU	<i>dependent on category and course</i> <i>CHEM 1210</i>	Internship or Study Abroad (recommended)
Second Year	BIOLOGY 1113 CHEM 2310 ENR 3280 ENR 2367 ENR 3400, 3500 or GE ¥ Total Credit Hours	4 4 2 3 3 16	AU/SP/SU AU/SP AU AU/SP AU	<i>MATH 1130, 1148, 1150 or above, or placement L or M; prereq/concur CHEM 1110, 1210 or above</i> <i>English 1110</i> <i>ENR 2300 or PSYCH 1100;</i> <i>Take ENR 3400 in AU or ENR 3500 in AU/SP; in alternate semester take a GE</i>	ENR 3300 BIOLOGY 1114 ENR 3800 ENR 3000 ENR 3001 ENR 3500 or GE ¥ Total Credit Hours	3 4 2 3 1 3 16	AU/SP/SU AU/SP/SU SP(AU only in 2019) AU/SP AU/SP	<i>ENR 2100</i> <i>MATH 1130, 1148, 1150 or above, or placement L or M; prereq/concur CHEM 1110, 1210 or above</i> <i>ENR 2100 or BIOLOGY 1114</i> <i>prereq or concur: ENR 3000</i> <i>ENR 2300 or RURLSOC 1500 or SOCIOL 1101</i>	Internship or Study Abroad (recommended)
Third Year	ENR 4800 AEDECON 2001; or ECON 2001.01 EarthSc 1121 ENR 3700 † GE ¥ Total Credit Hours	2 3 4 3 3 15	AU AU/SP; AU/SP/SU AU/SP/SU AU/SP -	<i>ENR 3800</i> <i>MATH 1075 or above</i> <i>dependent on category and course</i>	ENR 3200 (prev 4000) EEOB 3410 Physics 1200 Species Ecology ID & Recording course ENR 2000; or STAT 1450 Total Credit Hours	3 4 5 2 3 17	AU/SP AU/SP/SU AU/SP/SU AU/SP AU/SP; AU/SP/SU	<i>ENR 2100 and 2300</i> <i>BIOLOGY 1114</i> <i>C- or better in MATH 1148 or Math placement M</i> <i>dependent on course</i> <i>MATH 1116 or 1130 or above;</i> <i>or placement L or M</i>	Internship or Study Abroad (recommended)
Fourth Year	Ecol. of Terrestrial Ecosystems course Resource Mgmt & Conservation course ENR 5279 GE ¥ GE ¥ Total Credit Hours	3 2 3 3 3 14	AU/SP AU/SP? AU - -	<i>dependent on course</i> <i>dependent on course</i> <i>dependent on category and course</i> <i>dependent on category and course</i>	ENR 4900 ENR 5560 Ecol. Aquatic & Wetland Ecosys. Course Field Monitoring & Assessment course Directed Elective Total Credit Hours	3 3 3 2 4 15	AU/SP SP AU/SP AU/SP *	<i>permission of instructor</i> <i>ENR 3800 & 4800</i> <i>dependent on course</i> <i>dependent on course</i> <i>dependent on course</i>	

*see other side

† If you took ENR 3700 before AU16, it was only worth 2 credit hours; you may need to take an additional hour *Directed Electives* to reach the 121-hour degree minimum.

¥ 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.

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
4/15/2019

Ecosystem Restoration - Options for Required Courses and Directed Electives

	Course	Credit Hours	Terms Offered	Pre-Reqs
Ecosystem Science	Ecology of Terrestrial Ecosystems			
	EEOB 5470	3	odd yr SP	EEOB 3410
	ENR 3322	3	SP	prereq/concur: ENR 2100, 2300, & 3321, or permission of instructor
	ENR 5274	3	SP	ENR 3000 & 3001
	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 2201	4	AU	
	HCS 5422	3	AU	HCS 3100, 3200 or 3470, and BIOLOGY 1101 or 1113
	HCS 5412	3	AU	HCS 2201 or 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
	Ecology of Aquatic and Wetland Ecosystems			
	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	Ecosystem Management and Conservation			
	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	2	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	
	Soil Resource Management and Conservation			
	ENR 5273	3	SP	2 semesters of chemistry
	ENR 4260	3	SP	ENR 3000 or permission of instructor
	ENR 5262	3	AU	Chem 121 and 122 or 125, or Grad standing, or permission of instructor
	ENR 5268	2	SP	
	ENR 5270	3	AU	ENR 3000 or permission of instructor
Plant Production for Restoration				
HCS 3320	3	SP	HCS 2202	
HCS 3420	3	AU	HCS 2201 or 2202, or permission of instructor	
HCS 3521	2	AU	HCS 2201 or 2202	
Field Monitoring & Assessment	ENR 5279	3	AU	
	EEOB 4430	2	SU/May	EEOB 3410
	ENR 5260	3	AU - odd yrs 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	AU	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	None 4 sem hrs in Biological Sciences ? - .01 and/or .02? None
	ENR/ENTMLGY 5350.01 OR ENTMLGY 4000	3	AU - even yrs only AU	Prereq or concur: ENR 5280, or permission of instructor Biology 1114 or 1115H
	ENR 5350.02	3	AU - odd yrs only	
	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
	ANTHROP 5614	3	AU	A course in ANTHROP or PLNTPH 2000 or higher; or permission of instructor
	ANTHROP 5623?	3		
Ecosystem History & Environmental Change	ANTHROP 3350	3	AU	ANTHROP 2201 or permission of instructor
	GEOG 3900	3	AU/SP	
	PHILOS 2342	3	AU	
	ENR 4191	2	AU/SP/SU	Permission of instructor
Practical Exper in Restoration	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.

*If you took ENR 3700 before AU16, you must take an additional hour in Directed Electives, totaling 7-10 hours, to reach 27 hours in the specialization.