

Sample Curriculum Plan - Environmental Science: Soil Resources and Environmental Sustainability

	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	BIOLOGY 1114	4	AU/SP/SU	MATH 1130, 1148, 1150 or above, or placement L or M; prereq/concur CHEM 1110, 1210 or above	Internship or Study Abroad (recommended)
	CHEM 2310	4	AU/SP	CHEM 1220	ENR 2367 or GE Writing & Comms Ivl 2	3	AU/SP	ENGLISH 1110	
	ENR 3280	2	AU/SP		ENR 3700	3	AU/SP		
	ENR 3300	3	AU/SP/SU	ENR 2100	ENR 3000	3	AU/SP		
	GE ¥	3		dependent on category and course	ENR 3001	1	AU/SP		
Total Credit Hours	16			Total Credit Hours	17		dependent on category and course		
Third Year	ENR 2000; or STAT 1450	3	AU/SP; AU/SP/SU	MATH 1116 or 1130 or above; or placement L or M	ENR 5260	3	SP even yrs	ENR 3000 & 3001	Internship or Study Abroad (recommended)
	ENR 3200	3	AU/SP	ENR 2100 & 2300	PHYSICS 1200	5	AU/SP/SU	C- or better in MATH 1148 or Math placement M	
	EARTHSC 1121 & EARTHSC 1200†	4	AU/SP/SU	MATH 1075 or above	AEDECON 2001; or ECON 2001.01	3	AU/SP; AU/SP/SU		
	EEOB 3410	4	AU/SP/SU	BIOLOGY 1114					
	ENR 3400	3	AU	← ENR 2300 or PSYCH 1100; Take either ENR 3400 AU or ENR 3500 AU/SP →	ENR 3500	3	AU/SP	ENR 2300 or RURLSOC 1500 or SOCIOL 1101	
	AgSysMgt 2370	2	AU	← Take either AgSysMgt 2370 in AU or EarthSc 5550 in SP →	EarthSc 5550	3	SP	EarthSc 1121	
Total Credit Hours	16-17			Total Credit Hours	14-17				
Fourth Year	ENR 5262	3	AU	CHEM 1210	ENR 5261	3	SP		
	ENR 4900	3	AU/SP	Senior standing	ENR 5263	3	SP	ENR 3000	
	Spl. Directed Elective	3	*	*	Spl. Directed Elective	3	*	*	
	Spl. Directed Elective	3	*	*	GE ¥	3	-	-	
	ENR 5270 or GE ¥	3	AU	← ENR 3000; Take ENR 5270 in AU or ENR 4260 in SP; In alternate term take GE →	ENR 4260 or GE ¥	3	SP	ENR 3000	
Total Credit Hours	15			Total Credit Hours	15				

*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 satisfy the lab requirement

Degree Total: 121 hours

Revised: 8/31/2023

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**

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.

*Soil Resources Specialization Directed Elective Options

DIRECTED ELECTIVES*: 7-9 hours supporting specialization & approved by faculty mentor

Course	Credit Hrs	Offered	Has prereq?
ENVENG 2100	3	SP	Chem 1220 (122) or 1250 (125), and enrollment in CivilEn major or EnvEng major or minor
CIVILEN 5130	3	AU	CIVILEN 3160
EARTHSC 5651	4	AU	EarthSc 1121, Math 1152 or above
ENR 5280	4	AU/SP	ENR 3300
ENR 5250.01	3	AU	EEOB 3410
ENR 5210	3	AU	Junior standing
ENR 5211	3	SP	Junior standing
ENR 4345	4	AU	ENR 2100
ENR 5451	3	SP	ENR 3200
ENR 5268	2	SP	
ENR 5273	3	SP	2 semesters of chemistry
ENR 5279	3	AU	
ENR 5560	3	SP	ENR 3800 & 4800

Additional courses may be used with faculty mentor approval.