

Sample Curriculum Plan: Environmental Science - Water Science

	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 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 CHEM 1210</i>	Internship or Study Abroad (recommended)
Second Year	BIOLOGY 1113 CHEM 2310 ENR 3280 ENR 3300 ENR 3400 or 3500 Total Credit Hours	4 4 2 3 3 16	AU/SP/SU AU/SP AU/SP AU/SP/SU AU; AU/SP	<i>MATH 1130, 1148, 1150 or above, or placement L or M; prereq/concur CHEM 1110, 1210 or above CHEM 1110, 1220, or 1250 ENR 2100 ENR 2300 or PSYCH 1100; ENR 2300 or RURLSOC 1500 or SOCIOL 1101</i>	ENR 2000; or STAT 1450 BIOLOGY 1114 ENR 2367 ENR 3200 GE ‡ Total Credit Hours	3 4 3 3 3 16	AU/SP; AU/SP/SU AU/SP/SU AU/SP AU/SP - -	<i>- MATH 1116 or 1130 or above; or placement L or M MATH 1130, 1148, 1150 or above, or placement L or M; prereq/concur CHEM 1110, 1210 or above ENGLISH 1110 ENR 2100 and 2300</i>	Internship or Study Abroad (recommended)
Third Year	ENR 5280 ENR 3700 AEDECON 2001; or ECON 2001.01 GE † Water Resources Mgmt. 1 Total Credit Hours	4 3 3 3 3 16	AU/SP AU/SP AU/SP; AU/SP/SU - *	<i>ENR 3300 dependent on category and course *</i>	ENR 5273 ENR 4285 EEOB 3410 ENR 3000 ENR 3001 Water Resources Mgmt. 2 Total Credit Hours	3 3 4 3 1 3 17	SP SP AU/SP/SU AU/SP AU/SP *	<i>at least 2 semesters of CHEM MATH 1151/1156 and CHEM 1210 BIOLOGY 1114 prereq or concur: ENR 3000 *</i>	Internship or Study Abroad (recommended)
Fourth Year	ENR 4345 Water Resources Mgmt. 3 PHYSICS 1200 GE ‡ Total Credit Hours	4 3 5 3 15	AU * AU/SP/SU -	<i>ENR 2100 * C- or better in MATH 1148 or Math placement M dependent on category and course</i>	ENR 4900.01/.02 EARTHSC 1121 & EARTHSC 1200‡ Water Resources Mgmt. 4 Directed Elective GE ‡ Total Credit Hours	3 4 2 0-2 3 12-14	AU/SP/SU AU/SP/SU * * - -	<i>Senior standing in ENR MATH 1075 or above * * dependent on category and course</i>	Internship or Study Abroad (recommended)

*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 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 curricular 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**

Note on courses in the major:

Courses in year 3 and 4 should not be taken earlier unless you have discussed with your faculty mentor. Your coursework in year 1 and 2 are foundational and will prepare you for the major courses.

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](#).

Water Science Specialization Course Options

WATER RESOURCE & MANAGEMENT: choose four

Course	Credit Hrs	Offered	Prerequisite(s)
ENR 5250.01	3	AU	EEOB 3410
AGSYSMGT 2370	2	AU	
ENR 5350.01/ENTMLGY5350.01	3	SP	
ENR 5350.02	3	AU	
ENR 5355	3	SP	ENR 2000, CHEM 1210, and ENR 3300 or BIOCHEM 4511
ENR 5348	3	SP, even yrs only	ENR 3300 or EEOB 3410
ENR 5358	3	SP, odd yrs only	EEOB 3410
ENR 4342	3	SP	ENR 3300
ENR 3800	2	SP	ENR 2100 or Biology 1114
EEOB 5420 or EEOB 5430	1.5-4	alt. AU terms	EEOB 3410
ENR/ENVENG/FABE 5310	4	SP	Jr. standing or above
EARTHSC 2206	3	AU/SP	
EARTHSC 4450	3	SP	EarthSc 1121; & Chem 1210 or Physics 1250
GEOG 5210	3	AU/SP/SU	

DIRECTED ELECTIVES*: 0-2 hours supporting specialization & approved by faculty mentor

Additional courses may be used
with faculty mentor approval.