

**COMBINED MAJOR IN ENVIRONMENTAL ENGINEERING AND HEALTH SCIENCE**  
**BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING**  
**CURRICULUM OUTLINE - CLASS OF 2024**

*Sample Only – Actual Curriculum Sequence May Deviate from Sample*

	FALL		SPRING		SUMMER 1		SUMMER 2
Year 1	<a href="#">*CHEM1151</a>	General Chem. for Engrs.	4	<a href="#">GE1502</a>	Cornerstone Eng'g. 2	4	Vacation
	<a href="#">CHEM1153</a>	Recitation for CHEM1151	0	<a href="#">MATH1342</a>	Calculus 2 for Engrs.	4	
	<a href="#">ENGW1111</a>	First-Year Writing	4	<a href="#">PHTH2210</a>	Foundations of Biostatistics	4	
	<a href="#">GE1000</a>	Intro. to Eng.	1	<a href="#">*PHYS1151</a>	Physics 1 for Engrs.	3	
	<a href="#">GE1501</a>	Cornerstone Eng'g. 1	4	<a href="#">PHYS1152</a>	Physics 1 Lab	1	
	<a href="#">*MATH1341</a>	Calculus 1 for Engrs.	4	<a href="#">PHYS1153</a>	ILS for PHYS1151	1	
Year 2 MC	<a href="#">CIVE2221</a>	Statics and Solid Mechanics	4	<a href="#">CIVE2331</a>	Fluid Mechanics and Hydraulics	4	Co-op
	<a href="#">CIVE2222</a>	Recitation for CIVE2221	0	<a href="#">CIVE2335</a>	Environmental Eng'g. Chemistry	4	
	<a href="#">CIVE2260</a>	Materials for the Built Environment	4	<a href="#">CIVE3430</a>	Eng'g Microbiology and Ecology	4	
	<a href="#">CIVE2261</a>	Lab for 2260	1	<a href="#">ENCP2000</a>	Intro. to Eng'g. Co-op	1	
	<a href="#">CIVE2334</a>	Environmental Engineering: Principles, Technology, and Sustainability	4	<a href="#">PHTH2414</a>	Environmental Health	4	
	<a href="#">PHTH2515</a>	Healthcare Policy and Admin	4				
Year 3 MC	<a href="#">**ENGW3302</a>	Adv. Writing for Prof. (to be taken online)	4	<a href="#">CIVE3435</a>	Environmental Pollution Fate and Transport	4	Vacation
		Co-op		<a href="#">HLTH5450</a> <a href="#">_or PHTH4202</a>	Healthcare Research	4	
				<a href="#">PHTH4120</a>	Global Perspectives in Discrimination and Health	4	
				Elective	Technical Elective	4	
Year 4 MC	<a href="#">CIVE 4534</a>	Water Treatment Systems Design	3	<a href="#">CIVE3464</a>	Prob./Eng'g. Econ.	4	
	<a href="#">CIVE4535</a>	Lab for CIVE 4535	1	<a href="#">CIVE4765</a>	Sr. Design Project - Environmental	5	
	<a href="#">ENCP3000</a>	Prof. Issues in Eng'g.	1	<a href="#">CIVE5300</a>	Environmental Sampling and Analysis	2	
	<a href="#">PHTH4540</a>	Health Education and Program Planning	4	<a href="#">CIVE5301</a>	Lab for CIVE 5300	2	
	Elective	Technical Elective	4	<a href="#">PHTH5214</a>	Environmental Health	3	
	Elective	Technical Elective	3				

Revised 5/8/2020

**Students must achieve a grade of C or higher in all HLTH and PHTH courses to satisfy the Health Sciences Requirement**

\*Mathematics/Science Requirement: CHEM 1151, MATH 1341, and PHYS 1151 require a grade of C- or higher

\*\*ENGW3315 is an acceptable substitution.

**NUpath requirements** are satisfied in several courses across the program and by required courses in the combined major.

**BS in Environmental Engineering - Requirements:**

**Science Elective:** One (1) course is required.

See the undergraduate catalog for the list of approved Science Electives.

**Technical Electives:** Three (3) courses are required.

See the undergraduate catalog for the list of Technical Electives.

**Senior Design Project (Capstone elective):** One (1) course required, either CIVE 4765 (Environmental)

**Public Health - Requirements:**

**Courses:**

Natural Sciences and quantitative reasoning: Foundation of Biostatistics (4 SH), Healthcare Research (4 SH)

Social and Behavioral Sciences: Global Perspectives on Discrimination & Health (4 SH)

**Healthcare Core:**

The American Healthcare system (4 SH), Community and Public Health (4 SH), Health Education and Program Planning (4 SH), and Healthcare Policy and Administration (4 SH)

**Others:**

Intro to Environmental Health (4 SH) and Environmental Health (4 SH)

[Please consult with your Academic Advisor, found here.](#)

Course sequence may be changed, subject to prerequisites.

Degree requirements can be found in the academic catalog and DARS provides a degree audit for students.