

**BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2025**

Sample Only – Actual Curriculum Sequence May Deviate from Sample

	FALL		SPRING		SUMMER 1		SUMMER 2	
Year 1	CHEM1151	General Chem. for Engrs.	4	GE1502	Cornerstone of Eng'g. 2	4		
	CHEM1153	Recitation for CHEM1151	0	MATH1342	Calculus 2 for Engrs.	4		
	ENGW1111	First Year Writing	4	PHYS1151	Physics 1 for Engrs.	3		
	GE1000	Intro. to Eng'g.	1	PHYS1152	Physics 1 Lab	1	Vacation	Vacation
	GE1501	Cornerstone of Eng'g. 1	4	PHYS1153	ILS for PHYS1151	1		
	MATH1341	Calculus 1 for Engrs.	4	Elective	General Elective	4		
Year 2 AA	CIVE2221	Statics and Solid Mechanics	4	CIVE2331	Fluid Mechanics and Hydraulics	4		
	CIVE2222	Recitation for CIVE2221	0	CIVE2335	Environmental Eng'g. Chemistry	4		
	CIVE2260	Materials for the Built Environ.	4	ENCP2000	Intro. to Eng'g. Co-op	1		
	CIVE2261	Lab for 2260	1	GE3300	Energy Systems: Science, Tech., & Sustainability	4	Vacation	Co-op
	CIVE2334	Enviro. Engineering: Principles, Technology, and Sustainability	4	MATH2341	Diff. Eq./Lin. Alg.	4		
	MATH2321	Calculus 3 for Engrs.	4					
Year 2 BB	CIVE2221	Statics and Solid Mechanics	4					
	CIVE2222	Recitation for CIVE2221	0					
	CIVE2260	Materials for the Built Environ.	4					
	CIVE2261	Lab for 2260	1					
	CIVE2334	Enviro. Engineering: Principles, Technology, and Sustainability	4					
	ENCP2000	Intro. to Eng'g. Co-op	1					
	MATH2321	Calculus 3 for Engrs.	4					
Year 3 AA		Co-op		CIVE3430	Eng'g Microbiology and Ecology	4	Elective	General Elective
				CIVE3435	Environmental Pollution Fate and Transport	4	Elective	General Elective
				Elective	Technical Elective	4		
				Elective	Science Elective (Earth)	4		
Year 3 BB	CIVE2331	Fluid Mechanics and Hydraulics	4					
	CIVE2335	Environmental Eng'g. Chemistry	4					
	GE3300	Energy Systems: Science, Tech., & Sustainability	4					
	MATH2341	Diff. Eq./Lin. Alg.	4					
Year 4 AA		Co-op		CIVE3464	Prob./Eng'g. Econ.	4	Elective	General Elective
				CIVE4534	Water Treatment Systems Design	3	Elective	General Elective
				CIVE4535	Lab for CIVE 4535	1		
				ENCP3000	Prof. Issues in Eng'g.	1		
				*ENGW3302	Adv. Writing for Prof.	4		
			Elective	Technical Elective	4			
Year 4 BB	CIVE3430	Eng'g Microbiology & Ecology	4					
	CIVE3435	Environmental Pollution Fate & Transport	4					
	Elective	Technical Elective	4					
	Elective	Science Elective (Earth)	4					
Year 5 AA		Co-op		CIVE4765	Sr. Design Project- Environmental	5		
				CIVE5300	Environmental Sampling and Analysis	2		
				CIVE5301	Lab for CIVE 5300	2		
				Elective	Technical Elective	3		
Year 5 BB				Elective	General Elective	4		
	CIVE3464	Prob./Eng'g. Econ.	4	CIVE4765	Sr. Design Project- Environmental	5		
	CIVE 4534	Water Treatment Systems Design	3	CIVE5300	Environmental Sampling and Analysis	2		
	CIVE 4535	Lab for CIVE 4535	1	CIVE5301	Lab for CIVE 5300	2		
	ENCP3000	Prof. Issues in Eng'g.	1	Elective	General Elective	4		
*ENGW3302	Adv. Writing for Prof.	4	Elective	Technical Elective	3			
	Elective	Technical Elective	4					

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*ENGW3315 is an acceptable substitution.

BS in Environmental Engineering - Requirements:

General Electives: Six (6) courses are required.

General electives are academic, non-remedial, non-repetitive courses.

Nupath requirements: Interpreting Culture (IC), (SI) Societies and Institutions, and Differences and Diversity (DD) are not explicitly satisfied by required engineering courses. Students are responsible for satisfying these

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

See the undergraduate catalog for the list of approved Science Electives (Earth).

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)

[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.