

**BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2023**

Sample Only – Actual Curriculum Sequence May Deviate from Sample

	FALL	SPRING	SUMMER 1	SUMMER 2
Year 1	MATH1342 Calculus 2 for Engrs. *	4 MATH2321 Calculus 3 for Engrs.	4 Elective General Elective	4
	CHEM1151 General Chem. for Engrs.	4 PHYS1151 Physics 1 for Engrs.	3 Elective General Elective	4
	CHEM1153 Recitation for CHEM1151	0 PHYS1152 Physics 1 Lab	1	Vacation
	GE 1501 Cornerstone Eng'g. 1	4 PHYS1153 ILS for PHYS1151	1	
	GE 1000 Intro. to Eng.	1 GE 1502 Cornerstone Eng'g. 2	4	
ENGW1111 First Year Writing	4 Elective General Elective	4		
Year 2 (MC)	MATH2341 Diff. Eq./Lin. Alg.	4 ENCP2000 Intro. to Eng'g. Co-op	1 Elective General Elective	4
	CIVE2260 Materials for the Built Environ.	4 CIVE2331 Fluid Mechanics and Hydraulics	4 Elective General Elective	4
	CIVE2261 Lab for 2260	1 CIVE2335 Environmental Eng'g. Chemistry	4	Co-op
	CIVE2221 Statics and Solid Mechanics	4 GE 3300 Energy Systems: Science,	4	
	CIVE2222 Recitation for CIVE 2221	0 Tech., & Sustainability		
CIVE2334 Environmental Engineering: Principles, Technology, and Sustainability	4 Elective Technical Elective	4		
Year 3 (MC)	Co-op	CIVE3435 Environmental Pollution Fate and Transport	4 Elective General Elective	4 ENGW3302 Adv. Writing for Prof.**
		CIVE3430 Eng'g Microbiology and Ecology	4 Elective Science Elective (Earth)	4
		CIVE3464 Prob./Eng'g. Econ.	4	Co-op
		CIVE 4534 Water Treatment Systems Design	3	
		CIVE 4535 Lab for CIVE 4535	1	
Year 4 (MC)	Co-op	ENCP3000 Prof. Issues in Eng'g.	1	Vacation
		Elective Technical Elective	4	
		Elective Technical Elective	4	
		CIVE4765 Sr. Design Project - Environmental	5	
		CIVE5300 Environmental Engineering Laboratory	4	

Revised version, 02/23/2018

* Students will need to have Advanced Standing Credit (such as Advanced Placement, International Baccalaureate or college credit) for Math 1341 Calculus 1. - see academic advisor

** Students will need to take Advanced Writing in the Professions online during this co-op. ENGW3315 Interdisciplinary Advanced Writing is an acceptable substitution for engineering majors.

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 requirements, and if these are not fulfilled in engineering courses, should use general electives to do so.

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)

Course sequence may be changed, subject to prerequisite requirements.

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