

**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	CHEM1151 General Chem. for Engrs. 4 CHEM1153 Recitation for CHEM1151 0 ENGW1111 First Year Writing 4 GE1000 Intro. to Eng. 1 GE1501 Cornerstone Eng'g. 1 4 MATH1342 Calculus 2 for Engrs. 4	GE1502 Cornerstone of Eng'g. 2 4 MATH2321 Calculus 3 for Engrs. 0 PHYS1151 Physics 1 for Engrs. 3 PHYS1152 Physics 1 Lab 1 PHYS1153 ILS for PHYS1151 1 Elective General Elective 4	CIVE2221 Statics and Solid Mechanics 4 CIVE2222 Recitation for CIVE 2221 0 Elective General Elective 4	Vacation
Year 2 MC	CIVE2260 Materials for the Built Environ. 4 CIVE2261 Lab for 2260 1 CIVE2334 Environmental Engineering: Principles, Technology, and Sustainability 4 CIVE2335 Environmental Eng'g. Chemistry 4 MATH2341 Diff. Eq./Lin. Alg. 4	CIVE2331 Fluid Mechanics and Hydraulics 4 CIVE3435 Environmental Pollution Fate & Transport 4 ENCP2000 Intro. to Eng'g. Co-op 1 GE3300 Energy Systems: Science, Tech., & Sustainability 4 Elective Science Elective (Earth) 4	Elective General Elective 4 Elective General Elective 4	Co-op
Year 2 MD	CIVE2260 Materials for the Built Environ. 4 CIVE2261 Lab for 2260 1 CIVE2334 Environmental Engineering: Principles, Technology, and Sustainability 4 CIVE2335 Environmental Eng'g. Chemistry 4 ENCP2000 Intro. to Eng'g. Co-op 1 MATH2341 Diff. Eq./Lin. Alg. 4	Co-op	Co-op	Elective General Elective 4 Elective General Elective 4
Year 3 MC	Co-op	CIVE3430 Eng'g Microbiology and Ecology 4 CIVE 4534 Water Treatment Systems Design 3 CIVE4535 Lab for CIVE 4535 1 Elective Technical Elective 4 Elective Technical Elective 4	Elective General Elective 4 Elective General Elective 4	*ENGW3302 Adv. Writing for Prof. (to be taken online) 4 Co-op
Year 3 MD	CIVE2331 Fluid Mechanics and Hydraulics 4 CIVE3435 Environmental Pollution Fate and Transport 4 GE3300 Energy Systems: Science, Tech., & Sustainability 4 Elective Science Elective (Earth) 4	*ENGW3302 Adv. Writing for Prof. 4 Co-op	Co-op	Elective General Elective 4 Elective General Elective 4
Year 4 MC	Co-op	CIVE3464 Prob./Eng'g. Econ. 4 CIVE4765 Sr. Design Project - Environmental 5 CIVE5300 Environmental Sampling and Analysis 2 CIVE5301 Lab for CIVE 5300 2 ENCP3000 Prof. Issues in Eng'g. 1 Elective Technical Elective 3		
Year 4 MD	CIVE3430 Eng'g Microbiology and Ecology 4 CIVE4534 Water Treatment Systems Design 3 CIVE4535 Lab for CIVE 4535 1 Elective Technical Elective 4 Elective Technical Elective 4	CIVE3464 Prob./Eng'g. Econ. 4 CIVE4765 Sr. Design Project - Environmental 5 CIVE5300 Environmental Sampling and Analysis 2 CIVE5301 Lab for CIVE 5300 2 ENCP3000 Prof. Issues in Eng'g. 1 Elective Technical Elective 3		

Revised 6/5/20

Students will need to have Advanced Standing Credit (such as AP, IB or college credit) for Math 1341 Calculus 1 - see advisor

*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: 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)

[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.