

**BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2022**

Sample Only – Actual Curriculum Sequence May Deviate from Sample

	FALL	SPRING	SUMMER 1	SUMMER 2
Year 1	MATH1341 Calculus 1 for Engrs. 4 CHEM1151 General Chem. for Engrs. 4 CHEM1153 Recitation for CHEM1151 0 GE 1501 Cornerstone Eng'g. 1 4 GE 1000 Intro. to Eng. 1 ENGW1111 First Year Writing 4	MATH1342 Calculus 2 for Engrs. 4 PHYS1151 Physics 1 for Engrs. 3 PHYS1152 Physics 1 Lab 1 PHYS1153 ILS for PHYS1151 1 GE 1502 Cornerstone Eng'g. 2 4 Elective General Elective 4	Vacation	Vacation
Year 2 (AA)	MATH2321 Calculus 3 for Engrs. 4 CIVE2260 Materials for the Built Environ. 4 CIVE2261 Lab for 2260 1 CIVE2221 Statics and Solid Mechanics 4 CIVE2222 Recitation for CIVE2221 0 CIVE2334 Enviro. Engineering: Principles, Technology, and Sustainability 4	MATH2341 Diff. Eq./Lin. Alg. 4 ENCP2000 Intro to Engineering Co-op 1 CIVE2335 Environmental Eng'g. Chemistry 4 CIVE2331 Fluid Mechanics and Hydraulics 4 GE 3300 Energy Systems: Science, Tech., & Sustainability 4	Vacation	Co-op
Year 3 (AA)	Co-op	CIVE3435 Environmental Pollution Fate and Transport 4 CIVE3430 Eng'g Microbiology and Ecology 4 Elective Technical Elective 4 Elective Science Elective (Earth) 4	Elective General Elective 4 Elective General Elective 4	Co-op
Year 4 (AA)	Co-op	ENCP3000 Prof. Issues in Engineering 1 CIVE3464 Prob./Eng'g. Econ. 4 Elective Technical Elective 4 CIVE4534 Water Treatment Systems Design 3 CIVE4535 Lab for CIVE 4535 1 ENGW3302 Adv. Writing for Prof.** 4	Elective General Elective 4 Elective General Elective 4	Co-op
Year 5 (AA)	Co-op	CIVE4765 Sr. Design Project - Environmental 5 Elective Technical Elective 4 CIVE5300 Environmental Engineering Laboratory 4 Elective General Elective 4		

Revised version, 02/23/2018

**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 (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)

Course sequence may be changed, subject to prerequisite requirements.

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