

**BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2021**

Sample Only – Actual Curriculum Sequence May Deviate from Sample

	FALL	SPRING	SUMMER 1	SUMMER 2
Year 1	MATH1342 Calculus 2 for Engrs. * 4 CHEM1151 General Chem. for Eners. 4 CHEM1153 Recitation for CHEM1151 0 GE 1501 Cornerstone Eng'g. 1 4 GE 1000 Intro. to Eng. 1 ENGW1111 First Year Writing 4	MATH2321 Calculus 3 for Engrs. 4 PHYS1151 Physics 1 for Eners. 3 PHYS1152 Physics 1 Lab 1 PHYS1153 ILS for PHYS1151 1 GE 1502 Cornerstone Eng'g. 2 4 Elective General Elective 4	Elective General Elective 4 Elective General Elective 4	Vacation
Year 2 (MC)	MATH2341 Diff. Eq./Lin. Alg. 4 CIVE2260 Materials for the Built Environ. 4 CIVE2261 Lab for 2260 1 CIVE2221 Statics and Solid Mechanics 4 CIVE2222 Recitation for CIVE 2221 0 CIVE2334 Environmental Engineering: Principles, Technology, and Sustainability 4	CIVE2000 Intro. to Eng'g. Co-op 1 CIVE2331 Fluid Mechanics and Hydraulics 4 CIVE2335 Environmental Eng'g. Chemistry 4 GE 3300 Energy Systems: Science, Tech., & Sustainability 4 Elective Technical Elective 4	Elective General Elective 4 Elective General Elective 4	Co-op
Year 3 (MC)	Co-op	CIVE3435 Environmental Pollution Fate and Transport 4 CIVE3430 Eng'g Microbiology and Ecology 4 CIVE3464 Prob./Eng'g. Econ. 4 CIVE4534 Water Treatment Systems Design 3 CIVE4535 Lab for CIVE 4535 1	Elective General Elective 4 Elective Science Elective (Earth) 4	ENGW3302 Adv. Writing for Prof.** 4 Co-op
Year 4 (MC)	Co-op	CIVE3000 Prof. Issues in Eng'g. 1 Elective Technical Elective 4 Elective Technical Elective 4 CIVE4765 Sr. Design Project - Environmental 5 CIVE5300 Environmental Engineering Laboratory 4		Vacation

Revised version, 02/23/2018

* Students will need to have AP credit for Calc. AB (MATH1341-Calculus 1–4 SH)

** 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 prerequisites. Consult with your advisor: Russ Rakouskas - 220 SN, 617-373-5503, r.rakouskas@northeastern.edu
The Registrar's website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.*