

**BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING  
CURRICULUM OUTLINE - CLASS OF 2020**

*Sample Only – Actual Curriculum Sequence May Deviate from Sample*

	FALL	SPRING	SUMMER 1	SUMMER 2
Year 1	<a href="#">MATH1342</a> Calculus 2 for Engrs. *	4 <a href="#">MATH2321</a> Calculus 3 for Engrs.	4 Elective	4
	<a href="#">CHEM1151</a> General Chem. for Engrs.	4 <a href="#">PHYS1151</a> Physics 1 for Engrs.	3 Elective	4
	<a href="#">CHEM1153</a> Recitation for CHEM1151	0 <a href="#">PHYS1152</a> Physics 1 Lab	1	
	<a href="#">GE 1501</a> Cornerstone Eng'g. 1	4 <a href="#">PHYS1153</a> ILS for PHYS1151	1	
	<a href="#">GE 1000</a> Intro. to Eng.	1 <a href="#">GE 1502</a> Cornerstone Eng'g. 2	4	
	<a href="#">ENGW1111</a> First Year Writing	4 Elective	4	
Year 2 (MC)	<a href="#">MATH2341</a> Diff. Eq./Lin. Alg.	4 <a href="#">CIVE2000</a> Intro. to Eng'g. Co-op	1 Elective	4
	<a href="#">CIVE2260</a> Materials for the Built Environ.	4 <a href="#">CIVE2331</a> Fluid Mechanics and Hydraulics	4 Elective	4
	<a href="#">CIVE2261</a> Lab for CIVE 2260	1 <a href="#">CIVE2335</a> Environmental Eng'g. Chemistry	4	
	<a href="#">CIVE2221</a> Statics and Solid Mechanics	4 <a href="#">GE 3300</a> Energy Systems: Science, Tech., & Sustainability	4	
	<a href="#">CIVE2222</a> Recitation for CIVE 2221	0		
	<a href="#">CIVE2334</a> Environmental Engineering: Principles, Technology, and Sustainability	4 Elective	4	
Year 3 (MC)	Co-op	<a href="#">CIVE3435</a> Environmental Pollution Fate and Transport	4 Elective	4 <a href="#">ENGW3302</a> Adv. Writing for Prof.**
		<a href="#">CIVE3430</a> Eng'g Microbiology and Ecology	4 Elective	4
		<a href="#">CIVE3464</a> Prob./Eng'g. Econ.	4	
		<a href="#">CIVE 4534</a> Water Treatment Systems Design	3	
		<a href="#">CIVE 4535</a> Lab for CIVE 4535	1	
Year 4 (MC)	Co-op	<a href="#">CIVE3000</a> Prof. Issues in Eng'g.	1	
		Elective	4	
		Technical Elective	4	
		<a href="#">CIVE4765</a> Sr. Design Project - Environmental	5	
		<a href="#">CIVE5300</a> Environmental Engineering Laboratory	4	

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. ENG3315 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.*