

**BS/MS with BS in Environmental Engineering and MS 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	<a href="#">MATH1341</a> Calculus 1 for Engrs. 4 <a href="#">CHEM1151</a> General Chem. for Engrs. 4 <a href="#">CHEM1153</a> Recitation for CHEM1151 0 <a href="#">GE 1501</a> Cornerstone Eng'g. 1 4 <a href="#">GE 1000</a> Intro. to Eng. 1 <a href="#">ENGW1111</a> First Year Writing 4	<a href="#">MATH1342</a> Calculus 2 for Engrs. 4 <a href="#">PHYS1151</a> Physics 1 for Engrs. 3 <a href="#">PHYS1152</a> Physics 1 Lab 1 <a href="#">PHYS1153</a> ILS for PHYS1151 1 <a href="#">GE 1502</a> Cornerstone Eng'g. 2 4 Elective General Elective 4	Vacation	Vacation
Year 2 (AA)	<a href="#">MATH2321</a> Calculus 3 for Engrs. 4 <a href="#">CIVE2260</a> Civil Engineering Materials 4 <a href="#">CIVE2261</a> Materials and Measurements Lab 1 <a href="#">CIVE2221</a> Statics & Strength 4 <a href="#">CIVE2222</a> Recitation for CIVE2221 0 <a href="#">CIVE2334</a> Environ. Eng'g. 1 4	<a href="#">MATH2341</a> Diff. Eq./Lin. Alg. 4 <a href="#">CIVE2000</a> Intro. to Eng'g. Co-op 1 <a href="#">CIVE2335</a> Environmental Eng'g. Chemistry 4 <a href="#">CIVE2331</a> Fluid Mechanics 4 <a href="#">GE 3300</a> Energy Systems: Science, Tech., & Sustainability 4	Vacation	Co-op
Year 3 (AA)	Co-op	<a href="#">CIVE3435</a> Environmental Pollution Fate and 4 <a href="#">CIVE3430</a> Eng'g Microbiology and Ecology 4 Elective Technical Elective 4 <a href="#">CIVE4534</a> Environmental Engineering 2 3 <a href="#">CIVE4535</a> Lab for CIVE 4535 1	Elective General Elective 4 Elective Science Elective (Earth) 4	Co-op
Year 4 (YB)	Co-op	<a href="#">CIVE3000</a> Prof. Issues in Eng'g. 1 <a href="#">CIVE3464</a> Prob./Eng'g. Econ. 4 Elective Technical Elective 4 Elective <i>Grad Course #1</i> 4 (Technical Elective) Elective <i>Grad Course #2</i> 4 (General Elective)	<a href="#">ENGW3302</a> Adv. Writing for Prof.* 4 Elective General Elective 4	Vacation
Year 5 (YB)	Elective <i>Grad Course #3</i> 4 (General Elective) Elective <i>Grad. Course #4</i> 4 Elective <i>Grad. Course #5</i> 4 Elective <i>Grad. Course #6</i> 4	<a href="#">CIVE4765</a> Sr. Design Project - Environmental 5 <a href="#">CIVE5300</a> <i>Environ. Engineering Laboratory</i> 4 (Required for BS and MS) Elective <i>Grad. Course #8</i> 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:** 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)

**MS in Environmental Engineering - Requirements:**

Students must take 32 credits of graduate coursework that satisfy MS requirements found in the Graduate Catalog

**BS/MS Admission Requirements and Academic Policies** can be found via the following URL - <http://www.coe.neu.edu/sites/default/files/pdfs/coe/advising/BSMSPolicies.pdf>

Students will be required to meet with an undergraduate advisor to petition to enter the program.

Students are encouraged to meet with their financial aid counselor to review any financial questions.

4 semesters of coursework at Northeastern University must be completed with a minimum GPA of 3.2 to join the BS/MS program.

*Course sequence may be changed, subject to prerequisites. Consult with your advisor: Russ Rakouskas - 220 SN, 617-373-5503, [r.rakouskas@northeastern.edu](mailto: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.*