

**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 General Elective 4         | Vacation   |
|             | <a href="#">CHEM1151</a> General Chem. for Engrs. 4 | <a href="#">PHYS1151</a> Physics 1 for Engrs. 3                            | Elective General 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> College Writing 4          | Elective General Elective 4  |                                     |  |
| Year 2 (MC) | <a href="#">MATH2341</a> Diff. Eq./Lin. Alg. 4      | Elective ENVE Tech. Elective 1 4   | Elective General Elective 4         | Co-op  |
|             | <a href="#">CIVE2260</a> Materials 4                | <a href="#">CIVE2000</a> Intro. to Eng'g. Co-op 1                          | Elective General Elective 4         |  |
|             | <a href="#">CIVE2261</a> Meas./Mats. Lab 1          | <a href="#">CIVE2335</a> Environmental Eng'g. Chemistry 4                  |                                     |  |
|             | <a href="#">CIVE2221</a> Statics & Strength 4       | <a href="#">CIVE2331</a> Fluid Mechanics 4                                 |                                     |  |
|             | <a href="#">CIVE2222</a> Recitation for CIVE2221 0  | <a href="#">GE 3300</a> Energy Systems: Science, Tech., & Sustainability 4 |                                     |  |
|             | <a href="#">CIVE2334</a> Environ. Eng'g. 1 4        |  |                                     |  |
| Year 3 (MC) | Co-op   | <a href="#">CIVE3435</a> Environmental Pollution Fate and Transport 4      | Elective General Elective 4         | Co-op<br><a href="#">ENGW3302</a> Adv. Writing for Prof. 4 |
|             |   | <a href="#">CIVE3430</a> Eng'g Microbiology and Ecology 4                  | Elective Science Elective (Earth) 4 |  |
|             |   | <a href="#">CIVE3464</a> Prob./Eng'g. Econ. 4                              |                                     |  |
|             |   | <a href="#">CIVE 4534</a> Environmental Engineering 2 4                    |                                     |  |
|             |   | <a href="#">CIVE 4535</a> Lab for CIVE 4535 4                              |                                     |  |
| Year 4 (MC) | Co-op   | <a href="#">CIVE3000</a> Prof. Issues in Eng'g. 1                          |                                     |  |
|             |   | Elective ENVE Tech. Elective 2 4   |                                     |  |
|             |   | Elective ENVE Tech. Elective 3 4   |                                     |  |
|             |   | <a href="#">CIVE4765</a> Sr. Design Project - Environmental 5              |                                     |  |
|             |   | <a href="#">CIVE5300</a> Environmental Engineering Laboratory 4            |                                     |  |

**NUpath requirements Interpreting Culture (IC), Differences and Diversity (DD) and Societies and Institutions (SI)** 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. General Electives are academic, non-remedial, non-repetitive courses.

**Earth Science Elective: 1 required** (Please see the undergraduate catalog for the list of approved Earth Science Electives)

**Environmental Engineering Technical Electives (EETE): 3 required** (Please see the undergraduate catalog for the list of Technical Electives)

- CIVE5271 Solid and Hazardous Waste Management
- CIVE5272 Air Quality Management
- CIVE5275 Life Cycle Assessment of Materials, Products, and Infrastructure
- CIVE5321 Geoenvironmental Engineering
- CIVE5536 Hydrologic Engineering
- CIVE5280 Remote Sensing of the Environment
- CIVE5250 Organic Pollutants in the Environment
- CIVE5260 Environmental Fluid Mechanics
- CIVE5699 Special Topics in CE: Dynamic Modeling for Environmental Investment and Policy Making
- CIVE5270 Environmental Protection and Management

Course sequence may be changed, subject to prerequisite requirements. Please consult with your advisor: Russ Rakouskas - 220 Snell, 617-373-5503, r.rakouskas@neu.edu

**The registrar's website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.**