

**BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING  
CURRICULUM OUTLINE - CLASS OF 2024**

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

	FALL	SPRING	SUMMER 1	SUMMER 2
<b>Year 1</b>	<b>MATH1341</b> Calculus 1 for Engrs. 4 <b>CHEM1151</b> General Chem. for Engrs. 4 <b>CHEM1153</b> Recitation for CHEM1151 0 <b>GE 1501</b> Cornerstone Eng'g. 1 4 <b>GE 1000</b> Intro. to Eng. 1 <b>ENGW1111</b> First Year Writing 4	<b>MATH1342</b> Calculus 2 for Engrs. 4 <b>PHYS1151</b> Physics 1 for Engrs. 3 <b>PHYS1152</b> Physics 1 Lab 1 <b>PHYS1153</b> ILS for PHYS1151 1 <b>GE 1502</b> Cornerstone Eng'g. 2 4 Elective General Elective 4	Vacation	Vacation
<b>Year 2 (AA)</b>	<b>MATH2321</b> Calculus 3 for Engrs. 4 <b>CIVE2260</b> Materials for the Built Environ. 4 <b>CIVE2261</b> Lab for 2260 1 <b>CIVE2221</b> Statics and Solid Mechanics 4 <b>CIVE2222</b> Recitation for CIVE2221 0 <b>CIVE2334</b> Enviro. Engineering: Principles, Technology, and Sustainability 4	<b>MATH2341</b> Diff. Eq./Lin. Alg. 4 <b>ENCP2000</b> Intro. to Eng'g. Co-op 4 <b>CIVE2335</b> Environmental Eng'g. Chemistry 4 <b>CIVE2331</b> Fluid Mechanics and Hydraulics 4 <b>GE 3300</b> Energy Systems: Science, Tech., & Sustainability 4	Vacation	Co-op
<b>Year 3 (AA)</b>	Co-op	<b>CIVE3435</b> Environmental Pollution Fate and Transport 4 <b>CIVE3430</b> 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
<b>Year 4 (AA)</b>	Co-op	<b>ENCP3000</b> Prof. Issues in Eng'g. 1 <b>CIVE3464</b> Prob./Eng'g. Econ. 4 Elective Technical Elective 4 <b>CIVE 4534</b> Water Treatment Systems Design 3 <b>CIVE 4535</b> Lab for CIVE 4535 1 <b>ENGW3302</b> Adv. Writing for Prof.** 4	Elective General Elective 4 Elective General Elective 4	Co-op
<b>Year 5 (AA)</b>	Co-op	<b>CIVE4765</b> Sr. Design Project - Environmental 5 Elective Technical Elective 4 <b>CIVE5300</b> 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.](#)