

B.S. ENVIRONMENTAL SCIENCE (120 Credits)
 Science, Mathematics and Computer Science Department
 Revised July 2022

A. CORE REQUIRED COURSES (39 Credits)

ENGL 160 Composition/Rhetoric (3)	RST 112 (3)	PHIL 113 (3)
ENGL 180 World Literature (3)	RST Elective (3)	PHIL Elective (3)
ENGL Elective (3)	Modern Language I (3)	Global History (3)
Fine Arts Elective (3)	Modern Language II (3) or	History Elective (3)
Social Science Elective (3)	Elective (3)	

B. REQUIRED MAJOR COURSES (46 Credits)

C. ELECTIVE MAJOR COURSES (choose 35 Credits)

BIOL 150 + L – General Biology I (4) (F) (SI) (C>)	BIOL 281 Intro to Biotechnology (3) (F)
BIOL 151 + L – General Biology II (4) (S) (SII)	CHEM 398 Chemical Analysis (3) (S)
BIOL 235 + L General Microbiology (4) (F)	ENVS 210 Water: The Essential Ingredient (3) (S)
BIOL 410 Science Literacy Capstone (2) (F)	ENVS 212 Introduction to Meteorology (3) (F/S)
CHEM 131 + L – Gen Chem I (4) (F) (SI, SII) (C>)	ENVS 215 Resource Conservation I (3) (S)
CHEM 132 + L – Gen Chem II (4) (S) (SII)	ENVS 216 Resource Conservation II (3) (F)
CHEM 221 + L - Organic Chemistry I (4) (F)	ENVS 262 Earth Science II - Oceanography (3) (S)
CHEM 222 + L – Organic Chemistry II (4) (F) (S)	ENVS 300 Special Topics (3) (S)
CHEM 312 Environmental Chemistry (3) (F)	ENVS 340 Environmental Law (3)
ENVS 261 Earth Science I – Geology (3) (F)	ENVS 345 Environmental Mgmt. & Policy (3) (F)
ENVS 399C Climate Change (3) (S)	ENVS 399A Lackawanna River (3) (S-Odd)
ENVS 420 + L Ecology (4) (F)	EVST 101 Intro to Environmental Studies (3) (S)
*MATH 155 Statistics (3) (F/S) (SI)	ENVS 454 Undergraduate Research (2) (F/S)
	ENVS 498 Internship 1, 2, or 3 (F/S)
	MATH 170 Application of Math to the Life Sciences (3) (S) (SII)
	MATH 211 Calculus I (4) (S)
	PHIL 328 Environmental Ethics (3) (F) (SI, SII) (Recommended)
	PHYS 303 + L General Physics I (4) (F)
	PHYS 304 + L General Physics II (4) (S)
	BIOL/ENVS/CHEM 499 Independent Study (1, 2, 3) (F/S)

Math Placement Test: all students must take this test unless they have AP or dual enrollment credits which meet **all** required courses for the major.

< 40: must take MATH 095 before any other math course (credits do not count towards graduation)

≥40: eligible for MATH 155, MATH 160 (pre-requisite course for MATH 211)

≥75: eligible for all math courses including MATH 211 (Calculus I)

*you may need to take MATH 095 prior to taking MATH 155 requirement depending on Math Placement Test

One or two semesters of required Modern Language depends on Foreign Language Placement Exam.

F: fall semester; S: spring semester; SI: summer I semester; SII; summer II semester; F/S: fall or spring semester