

Guide to Yale Environmental Engineering Curriculum (2009-2010)

B.A. Program

Nine credits beyond prerequisites are required. Four of these credits are required classes and five of these credits are elective classes.

Prerequisites

- MATH 112a or b Single Variable Calc 1
- MATH 115a or b Single Variable Calc 2
- CHEM 112a **OR** 114a and CHEM 113b **OR** 115b Comprehensive General Chemistry (no lab required)
- PHYS 150a General Physics (no lab required)
- PHYS 150b General Physics (no lab required)

Required Courses (4 credits)

- 1) ENVE 120 – Introduction to Environmental Engineering
- 2) ENVE 371 – Introduction to Hydrology and Water Resources
- 3) One technical course from the following list:
 - a. ENAS 194 – Differential Equations
 - b. ENVE 360 – Green Engineering
 - c. ENVE 373 – Air Pollution Control
 - d. ENVE 377 – Water Quality Control
 - e. ENVE 448 – Environmental Transport Processes
 - f. ENVE 315 – Transport Phenomena
 - g. MCDB 290b – Microbiology

OR

 - h. MCDB 120a – Principles of Molecular, Cellular, and Developmental Biology
 - h. F&ES 344a – Aquatic Chemistry
- 4) ENVE 490 a or b Senior Project

Electives (5 credits)

Five courses that must contain an environmental component or be from a core science (physics, chemistry, biology, math, earth sciences) that is associated with environmental engineering. The majority of these electives must be quantitative. All electives must be approved by the DUS. Also see Elective Tracks.