# ENVIRONMENTAL SCIENCE (BS) Course Checklist

Required Core Courses: Semester Completed

ENV 101. Introduction to Environmental Studies \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ENV 117. Introduction to Env and Natural Resource Economics \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BIO 111. General Biology I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BIO 112. General Biology II \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CHE 120. Chemical Principles of Organic Molecules \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CHE 220. Quantitative Chemical Analysis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ENV 141. Atmosphere, Ocean and Environment \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ENV 242. Applied Ecology \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CHE/ENV 210. Environmental Chemistry \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ENV 311. Watershed Biogeochemistry \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ENV 312. Field Methods in Environmental Science \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Environmental science elective courses (3 required from list below):

Course 1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Course 2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Course 3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Math course (1 required from list below):

Course 1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Seminar and SCE Courses (all 3 required):

ENV 392. Jr Seminar \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ENV 491. Sr Seminar \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ENV SCE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Environmental science elective course list

At least 2 must be ENV

Only 1 can be non-lab based (marked with \* below)

* ENV/BIO 221. The Bermuda Environment (summer course)
* ENV 222. Summer Environmental Studies in Ecuador (summer course)\*
* ENV 240. Earth & Planetary Systems
* ENV 294: Environmental Communication\*
* ENV 294: Disease Ecology\*
* ENV 294: Anthropogenic Impact Across an Environmental Gradient (summer course)
* ENV 302. Conservation and Wildlife Techniques
* ENV/BIO 313. Wetlands Ecology
* ENV 314. Energy and the Environment\*
* ENV 319. Sustainability and the Environment\*
* ENV 320. Climate Change
* ENV 394. Marine Conservation
* ENV 394. Restoration Ecology
* ENV 294, 394. Other Special Topics *(with approval of the Chair, possibility of a lab)*
* CRS 246. Interdisciplinary Study of an Estuary: Integration and Action *(if enrolled in the Chesapeake Semester)\**
* BIO 309. Marine and Estuarine Biology
* BIO 328. Behavioral Ecology
* CHE 310. Greener and Sustainable Chemistry\*

Math course list

* MAT 201. Differential Calculus
* MAT 109. Statistics

*(Differential Calculus is recommended if you plan to attend graduate school)*

Notes:

* Students interested in pursuing a physics track within the environmental science degree program can substitute PHY 111 and/or PHY 112 for one or two courses in the major, after consultation with and written approval from an ENV Department Chair.
* Students who double major in Environmental Science and Biology can double count a maximum of 4 courses (3 Required Courses: BIO 111, 112, 206 or ENV 242; Elective Courses: 1 upper-level elective) towards their double major.
* Students majoring in Environmental Science and minoring in Biology can double count a maximum of 3 courses (BIO 111 & 112 plus 1 approved upper-level BIO or ENV elective) towards their Environmental Science major and BIO minor. To complete the Biology minor, an additional 4 upper-level BIO courses are required.
* Students majoring in Environmental Science and minoring in any discipline can double count a maximum number of courses, based on the total number of courses required for the minor, as detailed below:
  + 5 course minor = 1 course overlap with Env Science major
  + 6 course minor =  2 course overlap with Env Science major
  + 7 course minor = 3 course overlap with Env Science major