

**Environmental Science Major**  
(Science Concentration)

Department of Interdepartmental

	Fall Semester	Spring Semester
Freshman Year	<u>BIOL 150 Invest. Biol. Concepts</u> <sup>1</sup> 4 SH * <u>CHEM 140 Gen. Chemistry</u> 4 SH INTG 101 ILA 4 SH ENGL 110 Comp. & Arg. 4 SH	<u>BIOL 155 Ecology Evol. Diversity</u> 4 SH * <u>CHEM 220 Intro. Analytical</u> 3 SH * <u>CHEM 225 Intro. Analyt. Lab</u> 2 SH <u><b>ENVI 103 Intro. Envi. Sci.</b></u> 3 SH CATA 101 Speech 3 SH
Sophomore Year	<u>CHEM 228 Organic Chem I</u> <sup>1</sup> 4 SH POLS 101, 103, or 200 3 SH <u>MATH 207 Statistics</u> 4 SH	* <u>BIOL 307 Ecology</u> <sup>5</sup> 4 SH *MATH 151 Calculus I 4 SH INTG 2?? Global Perspectives 3 SH
Junior Year	ECON 200 Princ. of Economics 4 SH <u><b>SOCI 343 Sociology of Develop.</b></u> <sup>2</sup> 3 SH BIOL 350 Science Seminar 1 SH BIOL 222 Intro. to Research I <sup>3</sup> 1 SH Electives <sup>4</sup>	<u><b>ENVI 218 Hydrogeology</b></u> <sup>6</sup> 4 SH BIOL 350 Science Seminar 1 SH BIOL 322 Intro. to Research II 1 SH INTG 3?? Reflections 3 SH
Senior Year	Electives INTG 4?? Citizenship 3 SH **RESEARCH IN APPROVED SCIENCE	Electives DEPARTMENT OF CHOICE**

Legend:

- **Bold** indicates course must be taken in this term
- **Red** signifies alternate year course.
- Underline indicates course must be taken in sequence
- Regular type indicates flexibility when course is taken
- An asterisk (\*) indicates that a prerequisite exists for the course

**NOTES:**

- ◆ <sup>1</sup>We recommend that both biology and chemistry sequences be started in the first year. Students **must** start at least one sequence, biology or chemistry, in their first year.
- ◆ <sup>2</sup>Courses in **red** are only offered in alternate years. Take care in scheduling to be sure these courses are not missed. Generally, these courses are offered in the semester (fall or spring) indicated, but the year (sophomore, junior, senior) may change depending on when the student entered Monmouth College.
- ◆ <sup>3</sup>BIOL 222 and 322, Introduction to Research I and II are highly recommended, (though not required for a research project in Chemistry or Physics departments). They should be taken the sophomore or junior year in preparation for a quality research project the subsequent year.
- ◆ <sup>4</sup>Suggested Electives include: Field Botany, Field Zoology, Organic II, Calculus II, Physics I & II. Policy courses such as Environmental Economics, Environmental Politics, Argumentation, and Environmental Ethics may also be of interest..
- ◆ <sup>5</sup>BIOL 111 General Zoology, BIOL 112 General Botany **and** MATH 207 Statistics for the Sciences are prerequisites for BIOL 307 Ecology.
- ◆ <sup>6</sup>Physics I is strongly recommended before Hydrogeology. Depending on the year hydrology is offered, Physics should be taken in the fall semester of the sophomore or junior year.

Date Updated: Feb. 12, 2008 By: Ken Cramer