

B.S. in Environmental Science & Biology (Comprehensive Majors)

FOUR YEAR CURRICULUM GUIDE

Environmental Science PROGRAM / DEPARTMENT of Biology/Toxicology

REV: 7/10/24

Year 1	Fall Semester		Year 1	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
BIO 201	Molecular & Cellular Basis of Life (Core 1)	4	EVS 276	Env. Science Seminar	1
ENG 101	Composition I (Core 2)	3	BIO 202	Org. Adapt. And Div. (Core 4)	4
CHEM 103	General Chemistry (fa only)	4	ENG 102	Composition II (Core 5)	3
CORE/CCI*	Insti. Req. /CCI* (Core 3) or MATH 108 Elementary Statistics** (Core 7) or 2nd math elective course**	3-5	CHEM 104	General Chemistry (sp only)	4
			CORE/CCI*	Institutional Requirement/CCI* (Core 6) or Marketing Fundamentals (Core 8)	3-5
	<b>TOTAL</b>	<b>14-16</b>		<b>TOTAL</b>	<b>15-17</b>

Year 2	Fall Semester		Year 2	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
BIO CON	BIO Content Area (1) or BIO Elective (1) (for example BIO/EVS 216 Data Analysis for Scientific Investigations, fall of even years, is <i>recommended for sophomore and junior students</i> planning graduate school or employment in EVS)	3-4	BIO CON	BIO Content Area (2)	3-4
CHEM 307	Organic Chem. I-Lab (fa only)	4	BIO ELECTIVE	BIO Elective (1) or BIO Content Area (1)	3-4
GEOL 101	Physical Geology	4	MATH	2 <sup>nd</sup> math elective course** or Inst. Req./CCI* (Core 3) or Math 108** (Core 7)	3-5
MATH 208	Math 108** (Core 7) or Inst. Req./CCI* (Core 3) or 2 <sup>nd</sup> math elective course**	3	ECON 101	Marketing Fundamentals (Core 8) or Institutional Requirement (Core 6)	3
	<b>TOTAL</b>	<b>14-15</b>		<b>TOTAL</b>	<b>12-16</b>

Year 3	Fall Semester		Year 3	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
BIO 301	Professional Prep	1	BIO ELECTIVE	BIO Elective (2)	3-4
BIO 303	Genetics (fa or sp)	4	BIO ELECTIVE	BIO Elective (3) or BIO elective ((for example BIO/EVS 324 Intro to GIS, spring even years, is <i>recommended for students</i> planning graduate school or employment in EVS)	3-4
BIO 310	BIO 310 Ecology (fa odd) or EVS/BIO Elec. or BIO Elective (3)	3-4	CORE	Institutional Requirement (Core 11)	3
CORE	Institutional Requirement (Core 9)	3	CORE	Institutional Requirement (Core 12)	3
PHIL 280B	Applied Ethics-Env. (Core 10 if take all 3 credits) or General Elective	1-3	CORE	Institutional Requirement (Core 13) or General Elective	1-3
	<b>TOTAL</b>	<b>12-15</b>		<b>TOTAL</b>	<b>13-17</b>

Year 4	Fall Semester		Year 4	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
EVS/BIO ELECTIVE	EVS/BIO Elective or BIO 310 Ecology (fa odd) or BIO Elective (3)	3-4	EVS 476	Issues in Env. Science	3
BIO ELECTIVE	BIO Elective (if needed) (4)	3-4	BIO 495	Biology Senior Seminar (SP only)	1
CORE	Institutional Requirement (Core 14)	3	CORE	Institutional Requirement (Core 15)	3
ELECTIVE	General Elective or (Core 13) Institutional Requirement	3	ELECTIVE	General Elective	3
ELECTIVE	General Elective or PHIL 280B (Core 10 if take all 3 credits)	1-3	ELECTIVE	General Elective	3
			ELECTIVE	General Elective	3
	<b>TOTAL</b>	<b>13-17</b>		<b>TOTAL</b>	<b>16</b>

An EVS/BIO double major can graduate with 120 credits.

\*Study abroad is best accomplished during the Junior or Senior year, so plan early with your academic advisor and the International Study Office if pursuing this option.

This curriculum guide includes 13-15 hours of general electives. \*\*MATH 108 Elementary Statistics is recommended, and students planning on graduate school should consider taking Calculus (MATH 201 or 205) and/or additional math and statistics-focused courses (two courses are required for the major). Students planning to attend a graduate or professional school should also consider taking two semesters of physics and a second semester of organic chemistry, although these are not requirements for these majors. Biology electives must fulfill "Content Area" requirement (see catalog, Environmental Science Program for details).