

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

FOUR YEAR CURRICULUM GUIDE

Environmental Science PROGRAM / DEPARTMENT of Biology/Toxicology

REV: 7/11/24

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 Math Requirement (MATH 201 or MATH 205)**	3-5	CHEM 104	General Chemistry (sp only)	4
			ECON 101	Marketing Fundamentals (Core 6)	3
	TOTAL	14-16		TOTAL	14

Year 2	Fall Semester		Year 2	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
BIO 330	Principles of Tox (fa only)	3	BIO 331	Methods in Tox (sp only) or BIO 332 (sp odd)	3-4
CHEM 307/307L	Organic Chem. I /OChem Lab (FA only)	4	BIO 303	Genetics (fa or sp)	4
GEOL 101	Physical Geology	4	ELECTIVE	General Elective	3
MATH	Math Requirement (MATH 201 or MATH 205)** 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 Math Requirement (MATH 201 or MATH 205)**	3-5
	TOTAL	14-16		TOTAL	13-16

Year 3	Fall Semester		Year 3	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
BIO 301	Professional Prep	1	BIO ELECTIVE	BIO Elective (1)***	4
BIO 429/429L	Biochemistry (fa only)	4	BIO 332	Toxic Agents (sp odd) or BIO 331 (sp even)	3-4
CHEM 320	Quant. Analysis (fa only)	4	CHEM	CHEM 420 Inst. Analysis (sp only)	4
CORE	Institutional Requirement (Core 8)	3	CORE	Institutional Requirement (Core 12)	3
CORE	Human Communication (Core 9) or Institutional Requirement (Core 11)	3			
PHIL 280B	Applied Ethics-Env. (Core 10 if take all 3 credits, fall odd) or General Elective	1-3			
	TOTAL	16-18		TOTAL	14-15

Year 4	Fall Semester		Year 4	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
BIO 432	Pharm and Tox (fa only)	3	BIO/EVS 476	Issues in Env. Science	3
BIO ELECTIVE	BIO Elective (2)***	4	BIO 495	Biology Senior Seminar (SP only)	1
CORE	Institutional Requirement (Core 13)	3	BIO 433	Pharm and Tox II (sp only)	3
CORE	Institutional Requirement (Core 11) or COM 101 (Core 9)	3	CORE	Institutional Requirement (Core 14)	3
ELECTIVE	General Elective or PHIL 280B (Core 10 if take all 3 credits, fall odd)	1-3	CORE	Institutional Requirement (Core 15)	3
			ELECTIVE	General Elective	3
	TOTAL	14-16		TOTAL	16

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

This curriculum guide includes 9-10 hours of general electives. **MATH: Statistics required (for Environmental Science & Toxicology majors) and Calculus recommended (MATH 201 or MATH 205 to complete Toxicology requirement); 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. For example, CHEM 308/308L Organic Chemistry II could be elected in the 4th semester, and Physics 201 and 202 could be elected during fall and spring of junior or senior year; ***BIO Electives must total 8 hours or more and be courses at the 200-level or higher