

SUGGESTED SEQUENCE FOR BS ENVIRONMENTAL SCIENCE (students entering Fall 2021+)

Freshman Year (Fall)	CR	Freshman Year (Spring)	CR
CHEM 121 / 121L Chemistry I / Lab	5	CHEM 122 / 122L Chemistry II Lab	5
BIOL 111 / 111L Biology I / Lab	4	BIOL 112 / 112L Biology II / Lab	4
BRDG 101 Writing and Analysis	3	ENVI 251 Principles of Environmental Science	3
MATH 115 Calculus I	4	MATH 116 Calculus II (or MATH/COSC elective)*	<u>4(3)</u>
BRDG 100 Research & Info Skills	<u>1</u>		16(15)
	17		
Sophomore Year (Fall)	CR	Sophomore Year (Spring)	CR
CHEM 211 / 211L O-Chem I / Lab	4	CHEM 212 / 212L O-Chem II / Lab	4
BRDG 102 Writing and Literature	3	Bridges course - Social & Historical Reasoning	3
MATH 225/301 Statistics I	3	MATH/COSC Elective*	3
EQ XXX Essential Questions Seminar	3	BRDG 105 Intro to Ethical Reasoning	3
BIOL 212 Cell and Molecular Biology	<u>4</u>	SPRG 105 Career Development Seminar	1
	17	Bridges course - Critical Thinking	3
			17
Junior Year (Fall)	CR	Junior Year (Spring)	CR
PHYS 201/201L Physics for Life Science I/Lab	4	PHYS 202 / 202L Physics for Life Science II / Lab	4
ENVI 472 Environmental Biology	3	General Elective	3
BIOL 319 General Microbiology	3	ENVI Elective	3
Bridges course - Cultural Fluency	3	ENVI 452 Environmental Chemistry	3
ENVI Elective	2	ENGL 302W Scientific Writing	<u>3</u>
	15		16
Senior Year (Fall)	CR	Senior Year (Spring)	CR
Experiential Learning course	0	ENVI 470 Environmental Toxicology	3
ENVI 492W Stream Field Biology	3	ENVI Elective	3
ENVI Elective (ENVI 571 Water Pollution)	3	ENVI Elective	3
ENVI Elective (BIOL 335/340W/417)	3	General Elective (<i>THEO or PHIL course if needed</i>)	3
Bridges course - Ethical Reasoning	3	ENVI _____ Capstone course	<u>3</u>
General Elective	<u>3</u>		15
	15		

TOTAL = 127 CREDITS

*Math/Comp Science elective will be recommended by mentor: MATH 116, 215, 302, 310, 314, 335, 325W or COSC 101, 135, 160 or 170

20 credits minimum Environmental Science electives to be chosen from:

Fall Courses:	Vertebrate Anatomy and Development
BIOL 335	Evolution
BIOL 340W	Invertebrate Biology / Biotechnology
BIOL 417	Stream / Field Biology
ENVI/BIOL 492W	Environmental Justice

ENVI 323	Ornithology
ENVI 401	Sustainable Agriculture
ENVI 403	Water, Environment and Development
ENVI 456	Environmental Management
ENVI 531	Writing for Env Professional
ENVI 533W	Conflict Resolution (2 credit)
ENVI 537	Environmental Law (2 credit)
ENVI 540	Sustainable Business Practices (2 credit)
ENVI 542	Water Pollution Prev and Control
ENVI 571	Physical Chemistry for Life Sciences
CHEM 301	Physical Chemistry
CHEM 321	Analytical Chemistry
CHEM 423	
Spring Courses:	
CHEM 322	Physical Chemistry II
CHEM 230L	Research Lab Techniques (2 credits)
ENVI 520	Environmental GIS
ENVI/BIOL 497	Applied and Env Microbiology
ENVI 402/502	Plant Bio-Diversity
ENVI/BIOL 499	Microbial Ecology
ENVI 544	Environmental Policy
ENVI 570	Air Pollution Prev and Control
ENVI 549	Fate and Transport
ENVI 531	Environmental Management
ENVI 572	Solid and Hazardous Waste
Summer Courses:	
ENVI/BIOL 466	Terrestrial Field Biology
ENVI 491	Environmental Hydrogeology (2 credits)
ENVI 494	Environmental Sampling and Analyses
ENVI 533W	Writing for the Environmental Professionals
ENVI 650	Conservation Biology
Other Courses (offered during various semesters):	
BIOL 398/399, CHEM 490H/W, ENVI 390	Research
ENVI 600-603	Internship (0-6 credits)
(Students must take at least one field course ENVI 466/492W/494...other courses may be approved by the students faculty mentor).	

BRDG courses can be taken in any sequence throughout the undergraduate curriculum.
Undergraduate research is strongly encouraged