

Environmental Science Major (option 2)

B. S. in Environmental Science – Curriculum Map 2016-2017 Catalog

Option II

Concentrations for Option 2 are: Environmental Policy and Management, Environmental Law and Protection, Environmental Writing, Green Design, or Education

Freshman		
Fall	Cr. Spring	Cr.
BI 101 Principles of Biology I	4 BI 102 Principles of Biology II	4
EN 101 Composition and Literature I	3 EN 102 Composition and Literature II	3
GL 110 Introduction to Geology (General Education Lab Science)	4 GL 111 Oceanography (General Education Lab Science)	4
MA 107 Precalculus Mathematics (General Education Math)	4 MA 108 Applied Calculus (General Education Math)	4
Semester Total Credits	15 Semester Total Credits	15
Sophomore		
Fall	Cr. Spring	Cr.
Concentration Elective	3-4 Concentration Elective	3-4
ES 251 Sophomores Seminar Environmental Science	1 General Education Literature (or ES 130)	3
ES 270 Fundamentals of Environmental Science (or EC 201 or EC 202)	4 MA 232 Elementary Statistics	3
PH 323 Environmental Ethics or EN 276 Environmental Writing (General Education Ethics)	3 PO Elective 2 ¹	3
PO Elective ¹	3 PY 211 Introduction to Psychology (General Education Social Science)	3
Semester Total Credits	14-15 Semester Total Credits	15-16
Junior		
Fall	Cr. Spring	Cr.
CH Chemistry Elective	4 Concentration Elective	3
Concentration Elective	3 ES 130 Introduction to Environmental Law (or General Education Literature)	3
EC 201 Principles of Economics (Macro) or 202 Principles of Economics (Micro) (or ES 270)	3 ES 340 Project Development in Environmental Science	1
EN 276 Environmental Writing	3 General Education History	3
SO 201 Introduction to Sociology	3 GL 253 Geomorphology (or Free Elective) ²	4
	Free Elective ²	3-4
Semester Total Credits	16 Semester Total Credits	17-18
Senior		
Fall	Cr. Spring	Cr.
BI 405 Ecology	4 Concentration Elective	3
Concentration Elective	3 ES 451 Environmental Seminar (Capstone)	3
ES 440 Research Project in Environmental Science (Capstone)	3 ES 460 Project Completion in Environmental Science/Geology	1
General Education Arts & Humanities	3 Free Elective (or GL 253) ²	3-4
	Free Elective ²	3-4
	Free Elective ²	3-4
Semester Total Credits	13 Semester Total Credits	16-19
Total Credits For This Major: 121-127		

¹ Selected from PO 105 American Politics, PO 215 International Relations and PO 305 Geopolitics; Green Design concentration students take EG 109 Introduction to Engineering I and EG 110 Introduction to Engineering II.

² Can be used out of sequence and to take more than on concentration elective concurrently.

PO 321	U.S. Constitutional Law	3
PO 314	The Legislative Process	3
PO 331	State and Local Politics	3
SO 202	Problems of Modern Society	3
Total Cr.		18

Available Concentrations – Option II

Environmental Policy and Management

MG 101	Introduction to Business	3
CS 120	Business Applications & Problem Solving Techniques	3
SO 202	Problems of Modern Society	3
PO 321	U.S. Constitutional Law	3
MG 309	Management of Organizations	3
MG 341	Business Law I	3
Total Cr.		18

Environmental Law and Protection

CJ 101	Introduction to Criminal Justice	3
CJ 102	Substantive Criminal Law	3
CJ 402	Law and Society	3
Two of the following three:		6

Environmental Writing

EN 274	Introduction to Creative Writing	3
EN 364	Intermediate Creative Writing	3
Four of the following:		12
EN 203	Advanced Composition	3
EN 227	Survey of American Literature I	3
EN 228	Survey of American Literature II	3
EN 251	Literature of the Sea	3
EN 282	Literary Methods	3
EN 292	American Ethnic Literature & Cultural Literature	3
EN 320	Literature of the Developing World	3
CM 109	Introduction to Mass Media	3
Total Cr.		18

Green Design

AP 111	Fundamentals of Architecture	4
AP 118	Fundamentals of Architecture II	4

AP 221	Site Development and Design	3
AP 225	Introduction to Passive Environmental Systems	3
AP 325	Materials, Construction, and Design	3
One of the following three:		3
FA 201	History/Theory of Architecture I	3
FA 202	History/Theory of Architecture II	3
FA 308	History/Theory of Artchitectural III	3
Total Cr.		20

Environmental Education ¹

ED 104	Foundations of Education	3
Five of the following:		16-19
ED 234	Learning and Teaching Strategies	4
ED 315	Special Needs Child	3
ED 351	Methods of Teaching Science to Elementary Students	3
ED 363	Reading and Writing in the Content Area	4
PY 220	Developmental Psychology	3
PY 324	Adolescent Psychology	3,4
PY 352	Learning and Memory	4
Total Cr.		19-22

¹ For Environmental Education concentration students seeking licensure, a double major in Education, Elementary Teacher Licensure is required, and may require an additional semester for student teaching.