

ENVIRONMENTAL SCIENCE, BS

Course Sequencing

Earth System Science Concentration

First Year

Fall		Hours
ESCI 1401	Environmental Science I: Intro to Environmental Science	4
GEOL 1403	Physical Geology	4
ENGL 1301	Writing and Rhetoric I	3
UNIV 1101	University Seminar I	1
HIST 1301	U.S. History to 1865	3
Hours		15

Spring

BIOL 1406	Biology I	4
MATH 2413	Calculus I	4
ENGL 1302	Writing and Rhetoric II or COMM 1311 or Foundation of Communication	3
UNIV 1102	University Seminar II	1
HIST 1302	U.S. History Since 1865	3
Hours		15

Second Year

Fall		Hours
MATH 2414	Calculus II	4
CHEM 1411	General Chemistry I	4
POLS 2305	U.S. Government and Politics	3
Creative Arts Core Requirement		3
Hours		14

Spring

GISC 1470	Geospatial Systems I	4
CHEM 1412	General Chemistry II	4
POLS 2306	State and Local Government	3
Language, Philosophy & Culture Core Requirement		3
Hours		14

Third Year

Fall		Hours
PHYS 2425	University Physics I	4
ESCI 3202	Professional Skills	2
CHEM 3411	Organic Chemistry I	4
MATH 3342	Applied Probability and Statistics	3
Social and Behavioral Sciences Core Requirement		3
Hours		16

Spring

PHYS 2426	University Physics II	4
ESCI 3351	Oceanography	3
GEOL 3443	Environmental Geology	4
Designated Elective		2
Upper Level Designated Elective		3
Hours		16

Fourth Year

Fall

MATH 3311	Linear Algebra	3
ESCI 3443	Environmental Biology	4
Upper Level Designated Elective		3
ESCI 3403	Introduction to Meteorology	4
Hours		14

Spring

ESCI 4498	Internship in Environmental Science	2
ESCI 4335	Climate and Climate Variability	3
ESCI 4202	Issues in Environmental Science	2
Upper Level Designated Elective		3
Upper Level Designated Elective		2
Elective (to meet 120 hrs)		4
Hours		16
Total Hours		120

Marine and Coastal Resources Concentration

First Year

Fall		Hours
ESCI 1401	Environmental Science I: Intro to Environmental Science	4
CHEM 1411	General Chemistry I	4
MATH 1442	Statistics for Life	4
UNIV 1101	University Seminar I	1
ENGL 1301	Writing and Rhetoric I	3
Hours		16

Spring

ENGL 1302	Writing and Rhetoric II or COMM 1311 or Foundation of Communication	3
CHEM 1412	General Chemistry II	4
GEOL 1403	Physical Geology	4
UNIV 1102	University Seminar II	1
Social and Behavioral Sciences Core Requirement		3
Hours		15

Second Year

Fall

PHYS 1401	General Physics I (PHYS 2425 may be substituted.)	4
BIOL 1406	Biology I	4
Language, Philosophy & Culture Core Requirement		3
HIST 1301	U.S. History to 1865	3
Hours		14

Spring

BIOL 1407	Biology II	4
GISC 1470	Geospatial Systems I	4
HIST 1302	U.S. History Since 1865	3
Elective (to meet 120 hrs)		4
Hours		15

Third Year

Fall

ESCI 3202	Professional Skills	2
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ESCI 3443	Environmental Biology	4
ESCI 3403	Introduction to Meteorology	4
Designated Elective		3
POLS 2305	U.S. Government and Politics	3
Hours		16
Spring		
GEOL 3443	Environmental Geology	4
POLS 2306	State and Local Government	3
Designated Elective		3
Upper Level Designated Elective		4
Hours		14
Fourth Year		
Fall		
Upper Level Designated Elective		4
ESCI 3351	Oceanography	3
Upper Level Designated Elective		4
Creative Arts Core Requirement		3
Hours		14
Spring		
ESCI 4335	Climate and Climate Variability	3
ESCI 4202	Issues in Environmental Science	2
ESCI 4301	Environmental Regulations	3
Upper Level Designated Elective		4
Upper Level Designated Elective		2
ESCI 4498	Internship in Environmental Science	2
Hours		16
Total Hours		120

Environmental Health and Monitoring Concentration

First Year		
Fall		
ESCI 1401	Environmental Science I: Intro to Environmental Science	4
GEOL 1403	Physical Geology	4
ENGL 1301	Writing and Rhetoric I	3
UNIV 1101	University Seminar I	1
MATH 1442	Statistics for Life	4
Hours		16
Spring		
BIOL 1406	Biology I	4
CHEM 1411	General Chemistry I	4
ENGL 1302	Writing and Rhetoric II or COMM 1311 or Foundation of Communication	3
UNIV 1102	University Seminar II	1
Social and Behavioral Sciences Core Requirement		3
Hours		15
Second Year		
Fall		
BIOL 1407	Biology II	4
CHEM 1412	General Chemistry II	4
POLS 2305	U.S. Government and Politics	3

Creative Arts Core Requirement		3
Hours		14
Spring		
GISC 1470	Geospatial Systems I	4
BIOL 2421	Microbiology	4
POLS 2306	State and Local Government	3
Language, Philosophy & Culture Core Requirement		3
Hours		14
Third Year		
Fall		
ESCI 3202	Professional Skills	2
ESCI 3443	Environmental Biology	4
CHEM 3411	Organic Chemistry I	4
Upper Level Designated Elective		3
HIST 1301	U.S. History to 1865	3
Hours		16
Spring		
GEOL 3443	Environmental Geology	4
ESCI 3351	Oceanography	3
PHYS 1401	General Physics I (PHYS 2425 may be substituted.)	4
HIST 1302	U.S. History Since 1865	3
Designated Elective		2
Hours		16
Fourth Year		
Fall		
ESCI 4301	Environmental Regulations	3
ESCI 4320	Environmental Health	3
ESCI 3403	Introduction to Meteorology	4
Upper Level Designated Elective		3
Upper Level Designated Elective		2
Hours		15
Spring		
ESCI 4202	Issues in Environmental Science	2
ESCI 4335	Climate and Climate Variability	3
Upper Level Designated Elective		3
Elective (to meet 120 hrs)		4
ESCI 4498	Internship in Environmental Science	2
Hours		14
Total Hours		120
Policy and Regulations Concentration		
First Year		
Fall		
ESCI 1401	Environmental Science I: Intro to Environmental Science	4
GEOL 1403	Physical Geology	4
ENGL 1301	Writing and Rhetoric I	3
UNIV 1101	University Seminar I	1
HIST 1301	U.S. History to 1865	3
Hours		15

Spring			Elective (to meet 120 hrs)	1
BIOL 1406	Biology I	4	Hours	14
MATH 1442	Statistics for Life	4		
ENGL 1302	Writing and Rhetoric II	3	Total Hours	120
	or COMM 1311 or Foundation of Communication			
UNIV 1102	University Seminar II	1		
HIST 1302	U.S. History Since 1865	3		
	Hours	15		
Second Year				
Fall				
BIOL 1407	Biology II	4		
CHEM 1411	General Chemistry I	4		
POLS 2305	U.S. Government and Politics	3		
	Creative Arts Core Requirement	3		
	Hours	14		
Spring				
GISC 1470	Geospatial Systems I	4		
CHEM 1412	General Chemistry II	4		
POLS 2306	State and Local Government	3		
	Language, Philosophy & Culture Core Requirement	3		
	Designated Elective	2		
	Hours	16		
Third Year				
Fall				
ESCI 3202	Professional Skills	2		
ESCI 3443	Environmental Biology	4		
ESCI 3403	Introduction to Meteorology	4		
	Upper Level Elective	3		
	Social and Behavioral Sciences Core Requirement	3		
	Hours	16		
Spring				
GEOL 3443	Environmental Geology	4		
ESCI 3351	Oceanography	3		
PHYS 1401	General Physics I	4		
	Designated Elective	3		
	Designated Elective	1		
	Hours	15		
Fourth Year				
Fall				
ESCI 4301	Environmental Regulations	3		
ESCI 4320	Environmental Health	3		
	Elective (to meet 120 hrs)	3		
	Upper Level Designated Elective	3		
	Upper Level Designated Elective	3		
	Hours	15		
Spring				
ESCI 4498	Internship in Environmental Science	2		
ESCI 4335	Climate and Climate Variability	3		
ESCI 4202	Issues in Environmental Science	2		
	Upper Level Designated Elective	3		
	Upper Level Designated Elective	3		