

# 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
<b>Hours</b>		<b>15</b>

#### 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
<b>Hours</b>		<b>15</b>

#### 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
<b>Hours</b>		<b>14</b>
Spring		Hours
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
<b>Hours</b>		<b>14</b>

#### 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
<b>Hours</b>		<b>16</b>
Spring		Hours
PHYS 2426	University Physics II	4
ESCI 3351	Oceanography	3
GEOL 3443	Environmental Geology	4
Designated Elective		2
Upper Level Designated Elective		3
<b>Hours</b>		<b>16</b>

#### Fourth Year

Fall		Hours
MATH 3311	Linear Algebra	3
ESCI 3443	Environmental Biology	4
Upper Level Designated Elective		3
ESCI 3403	Introduction to Meteorology	4
<b>Hours</b>		<b>14</b>
Spring		Hours
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
<b>Hours</b>		<b>16</b>
<b>Total Hours</b>		<b>120</b>

### 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
<b>Hours</b>		<b>16</b>

#### 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
<b>Hours</b>		<b>15</b>

#### Second Year

Fall		Hours
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
<b>Hours</b>		<b>14</b>

#### 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
<b>Hours</b>		<b>15</b>

#### Third Year

Fall		Hours
ESCI 3202	Professional Skills	2

ESCI 3443	Environmental Biology	4
ESCI 3403	Introduction to Meteorology	4
Designated Elective		3
POLS 2305	U.S. Government and Politics	3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
GEOL 3443	Environmental Geology	4
POLS 2306	State and Local Government	3
Designated Elective		3
Upper Level Designated Elective		4
<b>Hours</b>		<b>14</b>
<b>Fourth Year</b>		
<b>Fall</b>		
Upper Level Designated Elective		4
ESCI 3351	Oceanography	3
Upper Level Designated Elective		4
Creative Arts Core Requirement		3
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
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
<b>Hours</b>		<b>16</b>
<b>Total Hours</b>		<b>120</b>

## Environmental Health and Monitoring Concentration

<b>First Year</b>		
<b>Fall</b>		
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
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
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
<b>Hours</b>		<b>15</b>
<b>Second Year</b>		
<b>Fall</b>		
BIOL 1407	Biology II	4
CHEM 1412	General Chemistry II	4
POLS 2305	U.S. Government and Politics	3

Creative Arts Core Requirement		3
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
GISC 1470	Geospatial Systems I	4
BIOL 2421	Microbiology	4
POLS 2306	State and Local Government	3
Language, Philosophy & Culture Core Requirement		3
<b>Hours</b>		<b>14</b>
<b>Third Year</b>		
<b>Fall</b>		
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
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
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
<b>Hours</b>		<b>16</b>
<b>Fourth Year</b>		
<b>Fall</b>		
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
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
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
<b>Hours</b>		<b>14</b>
<b>Total Hours</b>		<b>120</b>

## Policy and Regulations Concentration

<b>First Year</b>		
<b>Fall</b>		
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
<b>Hours</b>		<b>15</b>

<b>Spring</b>			Elective (to meet 120 hrs)	1
BIOL 1406	Biology I	4	<b>Hours</b>	<b>14</b>
MATH 1442	Statistics for Life	4		
ENGL 1302	Writing and Rhetoric II	3	<b>Total Hours</b>	<b>120</b>
	or COMM 1311 or Foundation of Communication			
UNIV 1102	University Seminar II	1		
HIST 1302	U.S. History Since 1865	3		
	<b>Hours</b>	<b>15</b>		
<b>Second Year</b>				
<b>Fall</b>				
BIOL 1407	Biology II	4		
CHEM 1411	General Chemistry I	4		
POLS 2305	U.S. Government and Politics	3		
	Creative Arts Core Requirement	3		
	<b>Hours</b>	<b>14</b>		
<b>Spring</b>				
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		
	<b>Hours</b>	<b>16</b>		
<b>Third Year</b>				
<b>Fall</b>				
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		
	<b>Hours</b>	<b>16</b>		
<b>Spring</b>				
GEOL 3443	Environmental Geology	4		
ESCI 3351	Oceanography	3		
PHYS 1401	General Physics I	4		
	Designated Elective	3		
	Designated Elective	1		
	<b>Hours</b>	<b>15</b>		
<b>Fourth Year</b>				
<b>Fall</b>				
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		
	<b>Hours</b>	<b>15</b>		
<b>Spring</b>				
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		