ENVIRONMENTAL SCIENCE (B.S.ENV.S.)

Required course work includes the university requirements (see regulation J-3 (https://catalog.uidaho.edu/general-requirements-academic-procedures/j-general-requirements-baccalaureate-degrees/)), the general requirements for the B.S. degree, and:

Code	Title	Hours
ENVS 1010	Introduction to Environmental Science	3
ENVS 1020	Field Activities in Environmental Sciences	1
ENVS 2010	Careers in the Environmental Sciences	3
ENVS 3000	Environmental Sci Seminar	1
ENVS 4980	Internship	1
STAT 2510	Statistical Methods	3
or STAT 3010	Probability and Statistics	
Choose one course from the following:		3
ENVS 2250	International Environmental Issues Seminar	
AIST 4530	Tribal Sovereignty and Federal Policy	
Choose one course from the following:		3-4
ECON 2202	Principles of Microeconomics	
ECON 2720	Foundations of Economic Analysis	
Choose one course from the following:		3
FOR 3700	Fundamentals of Geomatics	
GEOG 3850	Foundations of GIS	
Choose one course from the following:		3
GEOL 3090	Ground Water Hydrology	
ENVS 4480	Drinking Water and Human Health	
ENVS 4500	Environmental Hydrology	
FISH 4150	Limnology	
FOR 4600	Watershed Science and Management	
Choose one course from the following:		4
ENVS 4970	Senior Research	
NRS 4760	Environmental Project Management and Decision Making	
Emphasis		
Select one of the following emphases:		53-68
Ecological Restoration (p. 1)		
Policy Planning and Management (p. 2)		
Culture and Communication (p. 2)		
Integrated Sciences (p. 3)		
Sustainability Sciences (p. 4)		
Total Hours		**81-97**

A. Ecological Restoration

Code	Title	Hours
BIOL 1150	Cells and the Evolution of Life	3
BIOL 1150L	Cells and the Evolution of Life Laboratory	1
CHEM 1111	General Chemistry I	3
CHEM 1111L	General Chemistry I Laboratory	1
CHEM 1120	General Chemistry II	4
CHEM 1120	General Chemistry II	4
CHEM 1120L	General Chemistry II Laboratory	1
NRS 3100	Social Science Methods	4
PHIL 4520	Environmental Philosophy	3
Choose one course from the following:		3
ENGL 3160	Environmental Writing	
ENGL 3170	Technical Writing II	
ENGL 3180/ JAMM 3280	Science Writing	
NRS 3870	Environmental Communication Skills	
WLF 3700	Management and Communication of Scientific Data	
Choose one course from the following:		3
ENGL 3220	Climate Change Fiction	
HIST 4240	American Environmental History	
Choose one course from the following:		3
GEOG 3130	Global Climate Change	
GEOG 4350	Climate Change Mitigation	
GEOG 4550	Societal Resilience and Adaptation to Climate Change	
Choose one course from the following:		3
ENVS/NRS 3860	Managing Complex Environmental Systems	
GEOG 4200	Land, Resources, and Environment	
NRS 2350	Society and Natural Resources	
NRS 3110	Public Involvement in Natural Resource Management	
SOC 4660	Climate Change and Society	
SOC 3400	Environmental Sociology and Globalization	
Choose one course from the following:		3
ENVS 4790	Introduction to Environmental Regulations	
GEOG 4880	Geography of Energy Systems	
NRS/POLS 3640	Politics of the Environment	
NRS/POLS 4620	Natural Resource Policy	
NRS 4880	NEPA in Policy and Practice	
Choose one course from the following:		4
MATH 1160	Survey of Calculus	
MATH 1170	Calculus I	
Choose one sequence from the following:		4-5
GEOG 1000 & 1000L	Introduction to Planet Earth and Introduction to Planet Earth Lab	
GEOL 1110 & 1110L	Physical Geology for Science Majors and Physical Geology for Science Majors Lab	
SOIL 2050 & SOIL 2060	The Soil Ecosystem and The Soil Ecosystem Lab	
Choose one course from the following:		3
FOR 2100	Principles of Ecology	
WLF 2200	Principles of Ecology	
Choose one course from the following:		3
ENVS 4280	Pollution Prevention	
ENVS 4290	Environmental Audit	
SOIL 4090	Principles of Environmental Toxicology	
GEOL 3610	Geology and the Environment	

INDT 3640	Hazardous Materials	
Choose one course from the following:		3
BE 4330	Bioremediation	
SOIL 4220	Environmental Soil Chemistry	
SOIL 4520	Environmental Water Quality	
CHE 4550	Surfaces and Colloids	
Choose 3 credits from the following:		3
PLSC 4190	Plant Community Restoration Methods	
REM 2800	Introduction to Wildland Restoration	
REM/NRS 4400	Restoration Ecology	
Choose one course from the following:		3
AGEC 4770	Law, Ethics, and the Environment	
NRS 3110	Public Involvement in Natural Resource Management	
NRS 3830	Natural Resource and Ecosystem Service Economics	
Total Hours		**62-63**

Courses to total 120 credits for this degree

B. Policy Planning and Management

Code	Title	Hours
ENVS/NRS 4750	Local and Regional Environmental Planning	3
NRS 2350	Society and Natural Resources	3
NRS 3100	Social Science Methods	4
NRS 3110	Public Involvement in Natural Resource Management	3
NRS/POLS 3640	Politics of the Environment	3
NRS 3830	Natural Resource and Ecosystem Service Economics	3
NRS 3870	Environmental Communication Skills	3
NRS/POLS 4620	Natural Resource Policy	3
NRS 4760	Environmental Project Management and Decision Making	4
Choose one course sequence from the following:		4
CHEM 1101 & 1101L	Introduction to Chemistry and Introduction to Chemistry Laboratory	
CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Laboratory	
BIOL 1140	Organisms and Environments	
Choose one course sequence from the following:		4-5
GEOG 1000 & 1000L	Introduction to Planet Earth and Introduction to Planet Earth Lab	
GEOL 1101 & 1101L	Physical Geology and Physical Geology Lab	
GEOL 1110 & 1110L	Physical Geology for Science Majors and Physical Geology for Science Majors Lab	
SOIL 2050 & SOIL 2060	The Soil Ecosystem and The Soil Ecosystem Lab	
Choose one course from the following:		3-4
MATH 1143	Precalculus I: Algebra	
MATH 1160	Survey of Calculus	
MATH 1170	Calculus I	
Choose one course from the following:		3
GEOG 3130	Global Climate Change	
FOR 2100	Principles of Ecology	
WLF 2200	Principles of Ecology	
Choose one course from the following:		3
ENGL 3160	Environmental Writing	
ENGL 3170	Technical Writing II	
ENGL 3180/ JAMM 3280	Science Writing	
WLF 3700	Management and Communication of Scientific Data	
Choose one course from the following:		3-4
BIOL 3140	Ecology and Population Biology	
FIRE 3326	Fire Ecology	
NRS/REM 4400	Restoration Ecology	
REM 4290	Landscape Ecology	
REM 4590	Rangeland Ecology	
REM 4600	Integrated Field Studies in Rangelands	
WLF 4400	Conservation Biology	
Choose one course from the following:		3
AGEC 4770	Law, Ethics, and the Environment	
ENVS/NRS 3860	Managing Complex Environmental Systems	
IS 3220	International Environmental Governance	
Choose one course from the following:		3-4
NRS 4720	Remote Sensing of the Environment	
NRS 4780	LIDAR and Optical Remote Sensing Analysis	
Total Hours		**55-59**

Courses to total 120 credits for this degree

C. Culture and Communication

Code	Title	Hours
ENGL 3220	Climate Change Fiction	3
ENVS/NRS 3860	Managing Complex Environmental Systems	3
NRS 2350	Society and Natural Resources	3
PHIL 3520	Philosophy, Politics, and Economics	3
HIST 4240	American Environmental History	3
PHIL 4520	Environmental Philosophy	3
Choose one course sequence from the following:		4
CHEM 1101 & 1101L	Introduction to Chemistry and Introduction to Chemistry Laboratory	
CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Laboratory	
BIOL 1140	Organisms and Environments	
Choose one course sequence from the following:		4-5
GEOG 1000 & 1000L	Introduction to Planet Earth and Introduction to Planet Earth Lab	
GEOL 1101 & 1101L	Physical Geology and Physical Geology Lab	
GEOL 1110 & 1110L	Physical Geology for Science Majors and Physical Geology for Science Majors Lab	

SOIL 2050 & SOIL 2060	The Soil Ecosystem and The Soil Ecosystem Lab	
Choose one course from the following:		3-4
MATH 1143	Precalculus I: Algebra	
MATH 1160	Survey of Calculus	
MATH 1170	Calculus I	
Choose one course from the following:		3
GEOG 3130	Global Climate Change	
FOR 2100	Principles of Ecology	
WLF 2200	Principles of Ecology	
Choose one course from the following:		3
ENGL 3160	Environmental Writing	
ENGL 3170	Technical Writing II	
ENGL 3180/ JAMM 3280	Science Writing	
Choose one course from the following:		3
GEOG 4200	Land, Resources, and Environment	
SOC 3400	Environmental Sociology and Globalization	
SOC 3410	Science, Technology, and Society	
SOC/ANTH 3500	Food, Culture, and Society	
Choose one course from the following:		3
PHIL 3510	Philosophy of Science	
PHIL 4170	Philosophy of Biology	
PHIL 4500	Ethics in Science	
Choose one course from the following:		3
NRS/POLS 4620	Natural Resource Policy	
POLS/NRS 3640	Politics of the Environment	
Choose one course from the following:		3
COMM 4100	Conflict Management	
NRS 3870	Environmental Communication Skills	
Choose one course from the following:		3
GEOG 4350	Climate Change Mitigation	
GEOG 4550	Societal Resilience and Adaptation to Climate Change	
Choose one course from the following:		3
SOC 3460	Responding to Risk	
SOC 4650	Environmental Justice	
SOC 4660	Climate Change and Society	
Total Hours		**53-55**

Courses to total 120 credits for this degree

D. Integrated Sciences

Code	Title	Hours
NRS 3100	Social Science Methods	4
PHIL 4520	Environmental Philosophy	3
Choose one course sequence from the following:		3-4
CHEM 1101 & 1101L	Introduction to Chemistry and Introduction to Chemistry Laboratory	
CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Laboratory	
BIOL 1140	Organisms and Environments	
Choose one course sequence form the following:		4-5
GEOG 1000 & 1000L	Introduction to Planet Earth and Introduction to Planet Earth Lab	
GEOL 1101 & 1101L	Physical Geology and Physical Geology Lab	
GEOL 1110 & 1110L	Physical Geology for Science Majors and Physical Geology for Science Majors Lab	
SOIL 2050 & SOIL 2060	The Soil Ecosystem and The Soil Ecosystem Lab	
Choose one course from the following:		3-4
MATH 1143	Precalculus I: Algebra	
MATH 1160	Survey of Calculus	
MATH 1170	Calculus I	
Choose one course from the following:		3
FOR 2100	Principles of Ecology	
WLF 2200	Principles of Ecology	
Choose one course from the following:		3
ENGL 3160	Environmental Writing	
ENGL 3170	Technical Writing II	
ENGL 3180/ JAMM 3280	Science Writing	
NRS 3870	Environmental Communication Skills	
WLF 3700	Management and Communication of Scientific Data	
Choose one course from the following:		3
GEOG 3130	Global Climate Change	
GEOG 4350	Climate Change Mitigation	
GEOG 4550	Societal Resilience and Adaptation to Climate Change	
Choose one course from the following:		3
ENVS/NRS 3860	Managing Complex Environmental Systems	
ENVS 4200	Introduction to Bioregional Planning	
ENVS 4230	Planning Sustainable Places	
GEOG 4200	Land, Resources, and Environment	
NRS 2350	Society and Natural Resources	
NRS 3110	Public Involvement in Natural Resource Management	
SOC 4660	Climate Change and Society	
SOC 4650	Environmental Justice	
Choose one course from the following:		3
AGEC 4770	Law, Ethics, and the Environment	
NRS/POLS 3640	Politics of the Environment	
NRS/POLS 4620	Natural Resource Policy	
ENVS 4790	Introduction to Environmental Regulations	
GEOG 4880	Geography of Energy Systems	
NRS 4880	NEPA in Policy and Practice	
Students must also take one additional upper division course across five different topic area bins [1]		**15**
Advanced Technical		
Climate Change		

Communication	
Contaminants	
Earth Science	
Ecology	
Econimics	
Energy	
Geospatial	
Human Dimensions	
Planning	
Policy	
Sustainability	
Water	
Students must also complete one minor, certificate, or accredited semester long academic program. [2]	**12-18**
Total Hours	**59-68**

[1] Please contact the department to see a "Class list by Topic" spreadsheet of available courses.

[2] Please contact the department for approved minors, certificates and academic programs.

Courses to total 120 credits for this degree

E. Sustainability Sciences (Online only)

This option is intended for students at a distance wishing to pursue technically oriented careers in environmental professions such as natural resource management, bioremediation, and environmental impact analysis. Students need to work closely with an academic advisor to plan the courses needed to fulfill degree requirements that are not available through distance delivery.

Code	Title	Hours
BIOL 1150	Cells and the Evolution of Life	3
BIOL 1150L	Cells and the Evolution of Life Laboratory	1
BIOL 2500	General Microbiology	3
or PHYS 1111	General Physics I	
CHEM 1111	General Chemistry I	3
CHEM 1111L	General Chemistry I Laboratory	1
CHEM 1120	General Chemistry II	4
CHEM 1120L	General Chemistry II Laboratory	1
Select one course sequence from the following:		4
PHYS 1111 & 1111L	General Physics I and General Physics I Lab	
PHYS 2110 & 2110L	Engineering Physics I and Laboratory Physics I	
Choose one course from the following:		4
MATH 1160	Survey of Calculus	
MATH 1170	Calculus I	
Earth Science - Choose one course sequence from the following:		4-5
GEOG 1000 & 1000L	Introduction to Planet Earth and Introduction to Planet Earth Lab	
GEOL 1101 & 1101L	Physical Geology and Physical Geology Lab	
GEOL 1110 & 1110L	Physical Geology for Science Majors and Physical Geology for Science Majors Lab	
SOIL 2050 & SOIL 2060	The Soil Ecosystem and The Soil Ecosystem Lab	
Ecology - Choose one course from the following:		3
FOR 2100	Principles of Ecology	
WLF 2200	Principles of Ecology	
BIOL 3140	Ecology and Population Biology	
Writing and Communication - Choose one course from the following:		3
ENGL 3160	Environmental Writing	
ENGL 3170	Technical Writing II	
ENGL 3180/ JAMM 3280	Science Writing	
NRS 3870	Environmental Communication Skills	
WLF 3700	Management and Communication of Scientific Data	
Environmental Ethics and Philosophy:		3
PHIL 4520	Environmental Philosophy	
Select five of the following depth areas, and take at least 6 advisor-approved credits within each of the selected depth areas. [1]		**30**
a. Mathematics, Physics, and Statistics		
MATH 1750	Calculus II	
MATH 2750	Calculus III	
MATH 3100	Ordinary Differential Equations	
PHYS 1112	General Physics II	
or PHYS 212	Engineering Physics II	
PHYS 1112L	General Physics II Lab	
or PHYS 2120	Laboratory Physics II	
STAT 3010	Probability and Statistics	
STAT 4310	Statistical Analysis	
b. Social Dimensions:		
ARCH 4830	Urban Theory and Issues	
ENVS 4230	Planning Sustainable Places	
ENVS 4280	Pollution Prevention	
ENVS 4840	History of Energy	
INDT 4150		
FN 4500	Global Nutrition	
IS 3220	International Environmental Governance	
NRS 2350	Society and Natural Resources	
c. Management Tools		
ENVS 4150	Environmental Lifecycle Assessment	
ENVS 4200	Introduction to Bioregional Planning	
ENVS 4280	Pollution Prevention	
ENVS 4300	Planning Theory and Process	
INDT 3640	Hazardous Materials	
INDT 4480	Project and Program Management	
d. Geospatial Tools:		
GEOG 3850	Foundations of GIS	
GEOG 4240	Hydrologic Applications of GIS and Remote Sensing	
GEOG 4750	Intermediate GIS	
GEOG 4830	Remote Sensing/GIS Image Analysis	
NRS/FOR 4720	Remote Sensing of the Environment	
NRS 4780	LIDAR and Optical Remote Sensing Analysis	

FIRE 4407	GIS Application in Fire Ecology and Management
e. Environmental Policy and Regulations:	
AGEC 4770	Law, Ethics, and the Environment
ENVS 4290	Environmental Audit
ENVS 4360	
ENVS 4790	Introduction to Environmental Regulations
NRS 4880	NEPA in Policy and Practice
POLS/NRS 4620	Natural Resource Policy
f. Energy Systems:	
ARCH 4630	Principles of Environmental Building Design
ARCH 4640	Environmental Building Performance
ENGR 3200	Engineering Thermodynamics and Heat Transfer
ENVS 4840	History of Energy
ENVS 4850	Energy Efficiency and Conservation
GEOG 4350	Climate Change Mitigation
INDT 4150	
INDT 4340	Power Generation and Distribution
g. Sustainability Science:	
ENVS 4200	Introduction to Bioregional Planning
ENVS 4150	Environmental Lifecycle Assessment
ENVS 4230	Planning Sustainable Places
ENVS 4280	Pollution Prevention
FOR 4101	Forest Production Ecology
ENVS 4360	
SOIL 4090	Principles of Environmental Toxicology
GEOG 3130	Global Climate Change
INDT 4190	Industrial Sustainability Analysis
INDT 4570	Lean to Green Sustainable Technology
h. Water and Soils:	
CHE 4550	Surfaces and Colloids
SOIL 4520	Environmental Water Quality
ENVS 4500	Environmental Hydrology
FISH 4150	Limnology
SOIL 2050	The Soil Ecosystem
SOIL 4380	Pesticides in the Environment
SOIL 4460	Soil Fertility
i. Restoration and Remediation:	
BE 4330	Bioremediation
PLSC 4190	Plant Community Restoration Methods
REM 2800	Introduction to Wildland Restoration
REM 4100	Principles of Vegetation Monitoring and Measurement
REM/NRS 4400	Restoration Ecology
SOIL 4220	Environmental Soil Chemistry
SOIL 4520	Environmental Water Quality
WLF 4400	Conservation Biology
Total Hours	**67-68**

[1] Courses listed more than once cannot double count across depth areas.

Courses to total 120 credits for this degree.

Ecological Restoration Emphasis

Fall Term 1		**Hours**
ENGL 1101	Writing and Rhetoric I	3
ENVS 1010	Introduction to Environmental Science	3
ENVS 1020	Field Activities in Environmental Sciences	1
MATH 1143	Precalculus I: Algebra	3
Oral Communication Course		3
Social and Behavioral Ways of Knowing		3
	Hours	**16**
Spring Term 1		
CHEM 1111	General Chemistry I	3
CHEM 1111L	General Chemistry I Laboratory	1
ENGL 1102	Writing and Rhetoric II	3
ENVS 2010	Careers in the Environmental Sciences	3
MATH 1160 OR MATH 1170		4
Elective Course		1
	Hours	**15**
Fall Term 2		
BIOL 1150	Cells and the Evolution of Life	3
BIOL 1150L	Cells and the Evolution of Life Laboratory	1
STAT 2510 OR STAT 3010		3
(GEOG 1000 AND GEOG 1000L) OR (GEOL 1110 AND GEOL 1110L) OR (SOIL 2050 AND SOIL 2060)		4
ECON 2202 OR ECON 2720		3
	Hours	**14**
Spring Term 2		
CHEM 1120	General Chemistry II	4
CHEM 1120L	General Chemistry II Laboratory	1
ENVS 3000	Environmental Sci Seminar	1
ENVS 2250 OR AIST 4530		3
FOR 2100 OR WLF 2200		3
Humanistic and Artistic Ways of Knowing		3
	Hours	**15**
Fall Term 3		
NRS 3100	Social Science Methods	4
PHIL 4520	Environmental Philosophy	3
ENVS 2250 OR AIST 4530		3
ENGL 3220 OR HIST 4240		3
REM 2800 OR REM 4400		3
	Hours	**16**
Spring Term 3		
ENGL 3160 OR ENGL 3170 OR ENGL 3180 OR NRS 3870 OR WLF 3700		3
ENVS 3860 OR GEOG 4200 OR NRS 2350 OR NRS 3110 OR SOC 4660 OR SOC 3400		3
ENVS 4280 OR ENVS 4290 OR SOIL 4090 OR GEOL 3610 OR INDT 3640		3
American Experience Course		3
Humanistic and Artistic Ways of Knowing Course		3
	Hours	**15**
Fall Term 4		
ENVS 4970 OR NRS 4760		2
GEOG 3130 OR GEOG 4350 OR GEOG 4550		3
GEOL 3090 OR ENVS 4500 OR FISH 4150 OR FOR 4600		3
AGEC 4770 OR NRS 3110 OR NRS 3830		3
American Experience Course		3
	Hours	**14**
Spring Term 4		
ENVS 4980	Internship	1
ENVS 4970 OR NRS 4760		2
ENVS 4790 OR GEOG 4880 OR NRS 3640 OR NRS 4620 OR NRS 4880		3

BE 4330 OR CHE 4550 OR SOIL 4220 OR SOIL 4520		3
International Course		3
Elective Course		3
	Hours	**15**
	Total Hours	**120**

Policy, Planning, and Management Emphasis

Fall Term 1		**Hours**
ENGL 1101	Writing and Rhetoric I	3
ENVS 1010	Introduction to Environmental Science	3
ENVS 1020	Field Activities in Environmental Sciences	1
MATH 1143 OR MATH 1160 OR MATH 1170		3
Oral Communication Course		3
Humanistic and Artistic Ways of Knowing		3
	Hours	**16**
Spring Term 1		
ENGL 1102	Writing and Rhetoric II	3
ENVS 2010	Careers in the Environmental Sciences	3
NRS 2350	Society and Natural Resources	3
BIOL 1140 OR (CHEM 1101 AND CHEM 1101L) OR (CHEM 1111 AND CHEM 1111L)		4
Social and Behavioral Ways of Knowing		3
	Hours	**16**
Fall Term 2		
ECON 2202 OR ECON 2720		3
STAT 2510 OR STAT 3010		3
American Experience Course		3
Elective Course		3
Elective Course		3
	Hours	**15**
Spring Term 2		
ENVS 3000	Environmental Sci Seminar	1
ENVS 2250 OR AIST 4530		3
(GEOG 1000 AND GEOG 1000L) OR (GEOL 1101 AND GEOL 1101L) OR (GEOL 1110 AND GEOL 1110L) OR (SOIL 2050 AND SOIL 2060)		4
Humanistic and Artistic Ways of Knowing Course		3
Elective Course		3
	Hours	**14**
Fall Term 3		
NRS 3100	Social Science Methods	4
NRS 4620 OR POLS 4620		3
GEOG 3130 OR FOR 2100 OR WLF 2200		3
International Course		3
Elective Course		2
	Hours	**15**
Spring Term 3		
NRS 3110	Public Involvement in Natural Resource Management	3
ENGL 3160 OR ENGL 3170 OR ENGL 3180 OR WLF 3700		3
Upper Division Ecology, Major Elective Course		3
Elective Course		3
Elective Course		3
	Hours	**15**
Fall Term 4		
ENVS 4970 OR NRS 4760		2
GEOL 3090 OR ENVS 4500 OR FISH 4150 OR FOR 4600		3
ENVS 4750 OR NRS 4750		3
AGEC 4770 OR ENVS 3860 OR NRS 3860 OR IS 3220		3
Elective Course		3
	Hours	**14**
Spring Term 4		
ENVS 4980	Internship	1
NRS 4760	Environmental Project Management and Decision Making	4
ENVS 4970 OR NRS 4760		2
NRS 4720 OR NRS 4780		3
Elective Course		3
Elective Course		2
	Hours	**15**
	Total Hours	**120**

Culture and Communication Emphasis

Fall Term 1		**Hours**
ENGL 1101	Writing and Rhetoric I	3
ENVS 1010	Introduction to Environmental Science	3
ENVS 1020	Field Activities in Environmental Sciences	1
MATH 1143 OR MATH 1160 OR MATH 1170		3
Oral Communication Course		3
Humanistic and Artistic Ways of Knowing Course		3
	Hours	**16**
Spring Term 1		
ENGL 1102	Writing and Rhetoric II	3
ENVS 2010	Careers in the Environmental Sciences	3
NRS 2350	Society and Natural Resources	3
BIOL 1140 OR (CHEM 1101 AND CHEM 1101L) OR (CHEM 1111 AND CHEM 1111L)		4
Elective Course		2
	Hours	**15**
Fall Term 2		
STAT 2510 OR STAT 3010		3
ECON 2202 OR ECON 2720		3
American Experience Course		3
Humanistic and Artistic Ways of Knowing Course		3
Technical Elective, Major Elective Course		3
	Hours	**15**
Spring Term 2		
ENVS 3000	Environmental Sci Seminar	1
PHIL 3520	Philosophy, Politics, and Economics	3
ENVS 2250 OR AIST 4530		3
(GEOG 1000 AND GEOG 1000L) OR (GEOL 1101 AND GEOL 1101L) OR (GEOL 1110 AND GEOL 1110L) OR (SOIL 2050 AND SOIL 2060)		4
International Course		3
	Hours	**14**
Fall Term 3		
PHIL 4520	Environmental Philosophy	3
GEOG 3130 OR FOR 2100 OR WLF 2200		3
ENGL 3160 OR ENGL 3170 OR ENGL 3180		3
SOC 3460 OR SOC 4650 OR SOC 4660		3
Elective Course		3
	Hours	**15**
Spring Term 3		
HIST 4240	American Environmental History	3
ENGL 3220	Climate Change Fiction	3
ENVS 3860 OR NRS 3860		3
GEOG 4200 OR SOC 3400 OR SOC 3410 OR SOC 3500		3
Physical Science Area Elective, Major Elective Course		3
	Hours	**15**
Fall Term 4		
ENVS 4970 OR NRS 4760		2
GEOL 3090 OR ENVS 4500 OR FISH 4150 OR FOR 4600		3
PHIL 3510 OR PHIL 4170 OR PHIL 4500		3
COMM 4100 OR NRS 3870		3

Physical Science Area Elective, Major Elective Course		3
Elective Course		1
	Hours	**15**
Spring Term 4		
ENVS 4980	Internship	1
ENVS 4970 OR NRS 4760		2
NRS 4620 OR NRS 3640		3
GEOG 4350 OR GEOG 4550		3
Elective Course		3
Elective Course		3
	Hours	**15**
	Total Hours	**120**

Integrated Sciences Emphasis

Fall Term 1		**Hours**
ENGL 1101	Writing and Rhetoric I	3
ENVS 1010	Introduction to Environmental Science	3
ENVS 1020	Field Activities in Environmental Sciences	1
MATH 1143 OR MATH 1160 OR MATH 1170		3
Oral Communication Course		3
Social and Behavioral Ways of Knowing Course		3
	Hours	**16**
Spring Term 1		
ENGL 1102	Writing and Rhetoric II	3
ENVS 2010	Careers in the Environmental Sciences	3
BIOL 1140 OR (CHEM 1101 AND CHEM 1101L) OR (CHEM 1111 OR CHEM 1111L)		4
International Course		3
Elective Course		2
	Hours	**15**
Fall Term 2		
STAT 2510 OR STAT 3010		3
(GEOG 1000 OR GEOG 1000L) OR (GEOL 1101 AND GEOL 1101L) OR (GEOL 1110 OR GEOL 1110L) OR (SOIL 2050 AND SOIL 2060)		4
FOR 2100 OR WLF 2200		3
ECON 2202 OR ECON 2720		3
Humanistic and Artistic Ways of Knowing Course		3
	Hours	**16**
Spring Term 2		
ENVS 3000	Environmental Sci Seminar	1
ENVS 2250 OR AIST 4530		3
Minor/Certificate/Program Elective, Major Elective Course		3
Humanistic and Artistic Ways of Knowing Course		3
Elective Course		3
	Hours	**13**
Fall Term 3		
PHIL 4520	Environmental Philosophy	3
NRS 3100	Social Science Methods	4
ENVS 3860 OR ENVS 4200 OR ENVS 4230 OR GEOG 4200 OR NRS 2350 OR NRS 3110 OR SOC 4660 OR SOC 4650		3
Topic Area Elective, Major Elective Course		3
Minor/Certificate/Program Elective, Major Elective Course		3
	Hours	**16**
Spring Term 3		
ENGL 3160 OR ENGL 3170 OR ENGL 3180 OR NRS 3870 OR WLF 3700		3
GEOG 3130 OR GEOG 4350 OR GEOG 4550		3
GEOL 3090 OR ENVS 4500 OR FISH 4150 OR FOR 4600		3
Topic Area Elective, Major Elective Courses		3
Topic Area Elective, Major Elective Courses		3
	Hours	**15**
Fall Term 4		
ENVS 4970	Senior Research	2
AGEC 4770 OR NRS 3640 OR NRS 4620 OR POLS 3640 OR POLS 4620 OR ENVS 4790 OR GEOG 4880 OR NRS 4880		3
Topic Area Elective, Major Elective Course		3
Minor/Certificate/Program Elective, Major Elective Course		3
Minor/Certificate/Program Elective, Major Elective Course		3
	Hours	**14**
Spring Term 4		
ENVS 4970	Senior Research	2
ENVS 4980	Internship	1
American Experience Course		3
Topic Area Elective, Major Elective Course		3
Minor/Certificate/Program Elective, Major Elective Course		3
Minor/Certificate/Program Elective, Major Elective Course		3
	Hours	**15**
	Total Hours	**120**

Sustainability Sciences Emphasis

Fall Term 1		**Hours**
ENGL 1101	Writing and Rhetoric I	3
ENVS 1010	Introduction to Environmental Science	3
ENVS 1020	Field Activities in Environmental Sciences	1
MATH 1143	Precalculus I: Algebra	3
MATH 1144	Precalculus II: Trigonometry	1
Social and Behavioral Ways of Knowing Course		3
	Hours	**14**
Spring Term 1		
CHEM 1111	General Chemistry I	3
CHEM 1111L	General Chemistry I Laboratory	1
ENGL 1102	Writing and Rhetoric II	3
ENVS 2010	Careers in the Environmental Sciences	3
MATH 1160 OR MATH 1170		4
Oral Communication Course		3
	Hours	**17**
Fall Term 2		
BIOL 1150	Cells and the Evolution of Life	3
BIOL 1150L	Cells and the Evolution of Life Laboratory	1
ECON 2202 OR ECON 2720		3
STAT 2510 OR STAT 3010		3
(GEOG 1000 AND GEOG 1000L) OR (GEOL 1110 AND GEOL 1110L) OR (SOIL 2050 AND SOIL 2060)		4
Humanistic and Artistic Ways of Knowing Course		3
	Hours	**17**
Spring Term 2		
CHEM 1120	General Chemistry II	4
CHEM 1120L	General Chemistry II Laboratory	1
ENVS 3000	Environmental Sci Seminar	1
ENVS 2250 OR AIST 4530		3
American Experience Course		3
Humanistic and Artistic Ways of Knowing Course		3
	Hours	**15**
Fall Term 3		
PHIL 4520	Environmental Philosophy	3
BIOL 2500 OR PHYS 1111		3
FOR 2100 OR WLF 2200 OR BIOL 3140		3
Depth Elective, Major Elective Course		3
Depth Elective, Major Elective Course		3
	Hours	**15**
Spring Term 3		
ENGL 3160 OR ENGL 3170 OR ENGL 3180 OR NRS 3870 OR WLF 3700		3
(PHYS 1111 AND PHYS 1111L) OR (PHYS 1112 OR PHYS 1112L)		4
Depth Elective, Major Elective Course		3

Depth Elective, Major Elective Course		3
	Hours	**13**
Fall Term 4		
ENVS 4970	Senior Research	2
GEOL 3090 OR ENVS 4500 OR FISH 4150 OR FOR 4600		3
Depth Elective, Major Elective Course		3
Depth Elective, Major Elective Course		3
Depth Elective, Major Elective Course		3
	Hours	**14**
Spring Term 4		
ENVS 4970	Senior Research	2
ENVS 4980	Internship	1
International Course		3
Depth Elective, Major Elective Course		3
Depth Elective, Major Elective Course		3
Depth Elective, Major Elective Course		3
	Hours	**15**
	Total Hours	**120**

The degree map is a guide for the timely completion of your curricular requirements. Your academic advisor or department may be contacted for assistance in interpreting this map. This map is not reflective of your academic history or transcript, and it is not official notification of completion of degree or certificate requirements. Please contact the Registrar's Office regarding your official degree/certificate completion status.

Ecological Restoration Emphasis

1. Students will be able to apply environmental science principles in biophysical and social science contexts to address societally relevant issues in environmental science, management, and mitigation.
2. Students will be able to communicate environmental science, management, and mitigation principles and applications effectively through writing, oral, and graphical presentations.
3. Students will be able to demonstrate integrative environmental research and/or problem solving expertise that applies the scientific method for design, data collection, analysis, and reporting.
4. Students will be able to demonstrate how core ecological principles are used to implement effective scientific approaches to environmental restoration and remediation.

Policy, Planning, and Management Emphasis

1. Students will be able to apply environmental science principles in biophysical and social science contexts to address societally relevant issues in environmental science, management, and mitigation.
2. Students will be able to communicate environmental science, management, and mitigation principles and applications effectively through writing, oral, and graphical presentations.
3. Students will be able to demonstrate integrative environmental research and/or problem solving expertise that applies the scientific method for design, data collection, analysis, and reporting.
4. Students will be able to demonstrate how core principles of policy and planning work within societal frameworks to complement and advance management decisions in the field of environmental science.

Culture and Communication Emphasis

1. Students will be able to apply environmental science principles in biophysical and social science contexts to address societally relevant issues in environmental science, management, and mitigation.
2. Students will be able to communicate environmental science, management, and mitigation principles and applications effectively through writing, oral, and graphical presentations.
3. Students will be able to demonstrate integrative environmental research and/or problem solving expertise that applies the scientific method for design, data collection, analysis, and reporting.
4. Students will be able to demonstrate how and why cultural influences can affect societal decisions regarding key issues of environmental science.

Integrated Sciences Emphasis

1. Students will be able to apply environmental science principles in biophysical and social science contexts to address societally relevant issues in environmental science, management, and mitigation.
2. Students will be able to communicate environmental science, management, and mitigation principles and applications effectively through writing, oral, and graphical presentations.
3. Students will be able to demonstrate integrative environmental research and/or problem solving expertise that applies the scientific method for design, data collection, analysis, and reporting.
4. Students will be able to integrate biophysical expertise with socio-cultural dimensions of environmental problem-solving.

Sustainability Sciences Emphasis

1. Students will be able to apply environmental science principles in biophysical and social science contexts to address societally relevant issues in environmental science, management, and mitigation.
2. Students will be able to communicate environmental science, management, and mitigation principles and applications effectively through writing, oral, and graphical presentations.
3. Students will be able to demonstrate integrative environmental research and/or problem solving expertise that applies the scientific method for design, data collection, analysis, and reporting.
4. Students will be able to demonstrate how and why fundamentals of biophysical and social science contribute to environmental sustainability at the local, national, and international level.