

MAJOR IN WATERSHED SCIENCE AND SUSTAINABILITY, WATERSHED SUSTAINABILITY CONCENTRATION

courses (MATH 117, MATH 118, MATH 124, MATH 125, MATH 126) prior to the courses listed in this plan.

Major Completion Map

Distinctive Requirements for Degree Program: This program assumes that students will either test out of or take the prerequisite Mathematics

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
CHEM 103	Chemistry in Context (GT-SC2)	X		3A	3
CO 150	College Composition (GT-CO2)	X		1A	3
ESS 120	Intro to Ecosystem and Watershed Sciences	X			1
ESS 129	Information Management for Sustainability	X			1
GES 120	Water Sustainability in the Western US	X			3
GR 204/WR 204	Sustainable Watersheds (GT-SC2)	X		3A	3
Total Credits					14

Semester 2		Critical	Recommended	AUCC	Credits
Select 4 credits from the following:		X			4
BZ 110 & BZ 111	Principles of Animal Biology (GT-SC2)			3A	
BZ 120	Principles of Plant Biology (GT-SC1)			3A	
Select one course from the following:		X			3-4
ESS 210/GR 210	Physical Geography			3B	
GEOL 110	Introduction to Geology-Parks and Monuments (GT-SC2)			3A	
GEOL 120	Exploring Earth - Physical Geology (GT-SC2)			3A	
GEOL 122	The Blue Planet - Geology of Our Environment (GT-SC2)			3A	
GEOL 124	Geology of Natural Resources (GT-SC2)			3A	
GEOL 150	Physical Geology for Scientists and Engineers			3A	
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)		X		1C	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			X	3D	3
Total Credits					13-14

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
ATS 150	Science of Global Climate Change	X			3
BUS 100	Introduction to Business	X			1
BUS 201	Foundations of Sustainable Enterprise	X			1
ECON 202 or AREC 202	Principles of Microeconomics (GT-SS1) Agricultural and Resource Economics (GT-SS1)	X		3C	3
PH 110	Physics of Everyday Phenomena (GT-SC2)	X		3A	3
Select one course from the following:		X			3-4
MATH 141	Calculus in Management Sciences (GT-MA1)			1B	
MATH 155	Calculus for Biological Scientists I (GT-MA1)			1B	

MATH 160	Calculus for Physical Scientists I (GT-MA1)			1B	
Total Credits					14-15
Semester 4		Critical	Recommended	AUCC	Credits
AREC 342	Water Law, Policy, and Institutions	X			3
LIFE 320	Ecology	X			3
SOC 100 or 105	Introduction to Sociology (GT-SS3) Social Problems (GT-SS3)	X		3C	3
STAT 158	Introduction to R Programming	X			1
STAT 301 or 315	Introduction to Applied Statistical Methods Intro to Theory and Practice of Statistics	X			3
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
WR 204/GR 204 must be completed by the end of Semes		X			
Total Credits					16
Semester 5		Critical	Recommended	AUCC	Credits
NR 220	Natural Resource Ecology and Measurements	X			5
Total Credits					5
<i>Junior</i>					
Semester 6		Critical	Recommended	AUCC	Credits
NR 320 or 310	Natural Resources History and Policy Ecosystem Services and Human Well-Being				3
NR 322	Intro. to Geographic Information Systems				4
WR 416	Land Use Hydrology	X		4B	3
WR 486	Watershed Field Practicum	X			2
Watershed Science Department List (see list on Concentration Requirements tab)					3
Total Credits					15
Semester 7		Critical	Recommended	AUCC	Credits
ESS 312	Sustainability Science	X			3
WR 418	Land Use and Water Quality	X			3
Select one course from the following:		X			3
CO 301B	Writing in the Disciplines: Sciences (GT-CO3)			2	
JTC 300	Strategic Writing and Communication (GT-CO3)			2	
LB 300	Specialized Professional Writing			2	
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
Electives			X		3
Total Credits					15
<i>Senior</i>					
Semester 8		Critical	Recommended	AUCC	Credits
Sustainability Elective List (see list on Concentration Requirements tab)			X		6
Watershed Science Department List (see list on Concentration Requirements tab)			X		3
Electives			X		3
Total Credits					12
Semester 9		Critical	Recommended	AUCC	Credits
WR 440	Watershed Problem Analysis	X		4A,4B,4C	3
Sustainability Elective List (see list on Concentration Requirements tab)		X			3
Electives		X			8-10

The benchmark courses for the 9th semester are the remaining courses in the entire program of study. X

Total Credits	14-16
Program Total Credits:	120