MAJOR IN WATERSHED SCIENCE AND SUSTAINABILITY, WATERSHED SUSTAINABILITY CONCENTRATION

Major Completion Map

Distinctive Requirements for Degree Program: This program assumes that students will either test out of or take the prerequisite Mathematics courses (MATH 117, MATH 118, MATH 124, MATH 125, MATH 126) prior to the courses listed in this plan.

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	Geology and Society (GT-SC2)			3A	
GEOL 122	Geoscience--Climate and Environmental Change (GT-SC2)			3A	
GEOL 124	Earth Resources and Sustainability (GT-SC2)			3A	
GEOL 150	Dynamic Earth (GT-SC2)			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 (GT-SC2)	X		3A	3
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	
Electives					3
	Total Credits				**15-16**

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**

Junior

Semester 6		Critical	Recommended	AUCC	Credits
NR 320 or 310	Natural Resources History and Policy Ecosystem Services and Human Well-Being				3
NR 319	Introduction to Geospatial Science				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**

Senior

Semester 8		Critical	Recommended	AUCC	Credits
Watershed Science Department List (see list on Concentration Requirements tab)			X		9
Electives			X		3
	Total Credits				**12**
Semester 9		**Critical**	**Recommended**	**AUCC**	**Credits**
WR 440	Watershed Problem Analysis	X		4A,4B,4C	3
Watershed Science Department List (see list on Concentration Requirements tab)		X			3
Electives		X			7-9
The benchmark courses for the 9th semester are the remaining courses in the entire program of study.		X			
	Total Credits				**13-15**
	Program Total Credits:				**120**