

# WATERSHED MANAGEMENT AND HYDROLOGY CONCENTRATION - ENVIRONMENTAL MANAGEMENT AND PROTECTION

SS 440	Forest and Range Soils
STAT 313	Applied Experimental Design and Regression Models
<b>Total units</b>	<b>41</b>

- <sup>1</sup> If a course is taken to meet a Major requirement, it cannot be double-counted as an Approved Elective for the concentration.
- <sup>2</sup> Consultation with an advisor is recommended prior to selecting Approved Electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals.

CHEM 128	General Chemistry for Agriculture and Life Science II	4
CHEM 312	Organic Chemistry: Fundamentals and Applications	5
ERSC 442	Applied Environmental Groundwater Hydrology	4
or ERSC 443	Applied Environmental Contaminant Transport	
MATH 162	Calculus for the Life Sciences II	4
NR 420	Watershed Assessment and Protection	4
PHYS 122	College Physics II	4
SS 321	Soil Morphology	4
SS 440	Forest and Range Soils	4
or SS 431	Digital Soil Mapping	
<b>Approved Electives</b> <sup>1,2</sup>		
Select from the following:		8
BRAE 340	Irrigation Water Management	
BRAE 345	Aerial Photogrammetry and Remote Sensing	
BRAE 532	Water Wells and Pumps	
ERSC 303	Soil Erosion and Water Conservation	
ERSC 423	Geomorphology	
ERSC 442	Applied Environmental Groundwater Hydrology	
ERSC 443	Applied Environmental Contaminant Transport	
GEOL 241	Physical Geology Laboratory	
NR 260	Forest Operations	
NR 315	Forest Mensuration	
NR 339	Internship in Forest and Natural Resources	
NR 400	Special Problems for Advanced Undergraduates	
NR/CRP 408	Water Resource Law and Policy	
NR 413	Agricultural Law	
NR 418	Applied GIS	
NR/BIO/SS 421	Wetlands	
NR 422	Stream Measurements and Water Quality Monitoring	
NR 472	Leadership Practice	
NR 474	Forest Stewardship Practices	
SS 431	Digital Soil Mapping	