

# WATERSHED MANAGEMENT AND HYDROLOGY CONCENTRATION - FOREST AND FIRE SCIENCES

CHEM 128	General Chemistry for Agriculture and Life Science II	4
MATH 162	Calculus for the Life Sciences II	4
NR 363	Undergraduate Seminar	2
NR 420	Watershed Assessment and Protection	4
PHYS 122	College Physics II	4
SS 321	Soil Morphology	4
<b>Approved Electives</b> <sup>1, 2</sup>		
Select from the following:		4
BRAE 340	Irrigation Water Management	
BRAE 532	Water Wells and Pumps	
CHEM 312	Organic Chemistry: Fundamentals and Applications	
ERSC 303	Soil Erosion and Water Conservation	
ERSC 423	Geomorphology	
ERSC 442	Applied Environmental Groundwater Hydrology	
ERSC 443	Applied Environmental Contaminant Transport	
GEOL 201	Physical Geology	
GEOL 241	Physical Geology Laboratory	
NR 339	Internship in Forest and Natural Resources	
NR 400	Special Problems for Advanced Undergraduates	
NR/CRP 408	Water Resource Law and Policy	
NR 418	Applied GIS	
NR/BIO/SS 421	Wetlands	
NR 422	Stream Measurements and Water Quality Monitoring	
NR 472	Leadership Practice	
NR 475	Senior Project - Forest Stewardship	
SS 424	Environmental Soil Physics - Senior Project	
SS 431	Digital Soil Mapping	
SS 440	Forest and Range Soils	
STAT 313	Applied Experimental Design and Regression Models	
<b>Total units</b>		<b>26</b>

<sup>1</sup> If a course is taken to meet a Major or Support 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.