Watershed Management and Hydrology Concentration - Environmental Management and Protection

**CHEM 128** General Chemistry for Agriculture and Life Science II 
**CHEM 312** Survey of Organic Chemistry  
**ERSC 442** Applied Environmental Groundwater Hydrology  
or **ERSC 443** Applied Environmental Contaminant Transport  
**MATH 162** Calculus for the Life Sciences II  
**NR 420** Watershed Assessment and Protection  
**PHYS 122** College Physics II  
**SS 321** Soil Morphology  
**SS 440** Forest and Range Soils  
or **SS 431** Digital Soil Mapping  

**Approved electives**

Select from the following:  
- **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 323** Geomorphology  
- **ERSC 442** Applied Environmental Groundwater Hydrology  
- **ERSC 443** Applied Environmental Contaminant Transport  
- **GEOL 241** Physical Geology Laboratory  
- **NR 260** Forest Practices and Environmental Protection  
- **NR 315** Measurements and Sampling in Forested Environments  
- **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 474** Forest Stewardship Practices  
- **PHYS 107** Introduction to Meteorology  
- **SS 431** Digital Soil Mapping

Total units: 41

1. If a course is taken to meet a major requirement, it cannot be double-counted as an approved elective for the concentration.
2. 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.