

# WATER RESOURCES CERTIFICATE, UNDERGRADUATE

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Water Resources are a vital and multidisciplinary part of working in the Natural Resources. This certificate allows students to build a foundation of hydrology knowledge for different aspects of interactions between people and the hydrosphere.

<b>Required Course</b>	<b>4</b>
GEOG 315 WATER RESOURCES or GEOL 470 GROUNDWATER HYDROLOGY	
<b>Required—choose five of the following courses</b>	<b>20-25</b>
<b>Geography</b>	
GEOG 203 FUNDAMENTALS OF SURFACE HYDROLOGY	
GEOG/SUST 235 ENERGY/WATER NEXUS	
GEOG 305 INTRODUCTION TO OCEANOGRAPHY	
GEOG/BIOL 306 WILDLAND FIRE ECOLOGY	
GEOG 325 WETLAND SCIENCE I	
GEOG 410 GEOMORPHOLOGY	
GEOG 421 DENDROCHRONOLOGY	
<b>Geology</b>	
GEOL 462 PRINCIPLES OF GEOCHEMISTRY	
GEOL 466 ISOTOPIC TRACERS IN THE ENVIRONMENT	
GEOL 475 ENGINEERING GEOLOGY OF SOILS: INTRODUCTION TO GEOTECHNICAL ENGINEERING	
GEOL 490A SENIOR CAPSTONE: WATER AND THE WEST, WATER RESOURCE ENGINEERING IN ARID LANDS	
GEOL 490B CAPSTONE: ENVIRONMENTAL GEOCHEMISTRY	
<b>Planning</b>	
PLAN 430 ENVIRONMENTAL PLANNING	
PLAN 442 SUSTAINABLE COMMUNITIES	
<b>Total Credits</b>	<b>24-29</b>