

WATER RESOURCES CERTIFICATE, UNDERGRADUATE

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.

Required Course	4
GEOS 315	WATER RESOURCES
Required—choose five of the following courses	20-25
Geosciences	
GEOS 112	THE EARTH'S SURFACE
GEOS 115	EARTH SCIENCE FOR TEACHERS
GEOS 203	FUNDAMENTALS OF SURFACE HYDROLOGY
GEOS 204	HOT EARTH: PEOPLE AND CLIMATE CHANGE
GEOS 235	ENERGY/WATER NEXUS
GEOS 305	INTRODUCTION TO OCEANOGRAPHY
GEOS 306	WILDLAND FIRE ECOLOGY
GEOS 312	FUNDAMENTALS OF SOIL SCIENCE
GEOS 314	WEATHER FORECASTING
GEOS 317	RESOURCES AND CONSERVATION
GEOS 320	ENVIRONMENTAL GEOLOGY
GEOS 321	GEOGRAPHIC INFORMATION SYSTEMS I: SPATIAL ANALYSIS FOR SOCIAL SCIENCES
GEOS 323	GEOGRAPHIC INFORMATION SYSTEMS I: SPATIAL ANALYSIS FOR ENVIRONMENTAL SCIENCES
GEOS 325	WETLAND SCIENCE I
GEOS 360	GEOLOGIC HAZARDS
GEOS 410	GEOMORPHOLOGY
GEOS 413	RIVERS AND FLOODS
GEOS 414	METEOROLOGY
GEOS 421	DENDROCHRONOLOGY
GEOS 431	FIELD METHODS AND REGIONAL GEOLOGY
GEOS 462	PRINCIPLES OF GEOCHEMISTRY
GEOS 466	ISOTOPIC TRACERS IN THE ENVIRONMENT
GEOS 470	GROUNDWATER HYDROLOGY
GEOS 475	ENGINEERING GEOLOGY OF SOILS: INTRODUCTION TO GEOTECHNICAL ENGINEERING
GEOS 485	GEOTECHNICAL ENGINEERING OF SOILS AND FOUNDATIONS
GEOS 490A	SENIOR CAPSTONE: WATER AND THE WEST, WATER RESOURCES IN ARID LANDS
GEOS 490B	CAPSTONE: ENVIRONMENTAL GEOCHEMISTRY
Planning	
PLAN 430	ENVIRONMENTAL PLANNING
PLAN 442	SUSTAINABLE COMMUNITIES
Total Credits	24-29