MEETING YOUR NEEDS

Whether you recently earned your bachelor’s degree in a related area or already work in the environmental field, a certificate in applied hydrogeology will give you additional endowments and bolster your credentials. Nine of the 15 credits for this graduate certificate can be conveniently completed online. The remaining six credits are earned by completing the six-week field course, offered every summer at our main campus in Kalamazoo, Michigan.

This program can be completed in as little as two semesters.

If your employer has a tuition reimbursement program, talk to us about WMU’s deferred payment plan.

THE APPLIED HYDROGEOLOGY PROGRAM

WMU’s applied hydrogeology graduate certificate combines our highly regarded six-week field course with geoscience electives. Since its inception in 1987, our hydrogeology field course has been attracting students and industry professionals from across the nation and the world.

You’ll spend six weeks in the field getting hands-on experience in:

- Environmental field data collection
- Water and sediment sampling
- Drilling and water well installation
- Environmental assessment and hydrogeologic measurement
- Data presentation and analysis

This program provides the specialized knowledge, critical thinking and communication skills necessary to succeed as a trained environmental professional. Graduates of this program have attained positions in state and federal government agencies, non-profit agencies and environmental and geotechnical consulting firms.

This program prepares you for the Certified Ground Water Professional (NGWA) licensure exam.

ADDITIONAL INFORMATION

wmich.edu/online/hydrogeology

ADMISSION INFORMATION

wmich.edu/apply/graduate/certificate
WELCOME TO SOMEDAY

PROGRAM COMPONENTS AND COURSE REQUIREMENTS

APPLIED HYDROGEOLOGY GRADUATE CERTIFICATE 15 CR

PREREQUISITE COURSE OR ITS EQUIVALENT  3 CR
GEOS 5120 Hydrogeology

HYDROGEOLOGY FIELD COURSE  6 CR
GEOS 5230 Hazardous Waste Operation and Emergency Response
GEOS 5240 Remediation Design and Implementation
GEOS 5250 Surface Geophysics
GEOS 5260 Principles and Practices of Aquifer Testing
GEOS 5270 Principles of Well Drilling and Installation
GEOS 5280 Principles/Practices of Groundwater Sampling/Monitoring

CHOOSE THREE OF THE FOLLOWING  9 CR
GEOS 5090 Surface Water Hydrology
GEOS 6170 Stable Isotope Geochemistry
GEOS 5450 Hazardous Waste Remediation
GEOS 6150 Contaminant Hydrology
GEOS 5360 Glacial Geology
GEOS 5060 Introduction to Soils

LEARN MORE
ONLINE OR BY PHONE:

WMU-Online Education
wmich.edu/online
(269) 387-4200