COLLEGE OF ARTS AND SCIENCES
THE OHIO STATE UNIVERSITY

TYPE 1B, 2, 3 HYDROGEOLOGY CERTIFICATE (HYDRGEO-CT)

Coordinating Advisor: Professor Ashley Griffith, 381 Mendenhall Labs, Columbus, OH 43210; griffith.233@osu.edu

The 12-15 credit hour Hydrogeology Certificate will provide students with a competitive advantage in beginning a career in the hydrogeological fields or pursuing entrance into a graduate degree program in fields related to hydrogeology. The certificate is designed to enhance both critical thinking and the technical skills for practicing hydrogeology.

One groundwater course (4 credits):
- EARTHSC 5651: Hydrogeology (4)

One surface water course (3 credits):
- EARTHSC 5665: Land surface hydrology (3)
- ENR 4285: Watershed hydrology (3)
- CIVILEN 5130: Applied Hydrology (3)

Electives (at least 5 credit hours):
- EARTHSC 5751: Quantitative Reservoir Modeling (4)
- EARTHSC 4450: Water, Ice and Energy in the Earth System (3)
- EARTHSC 5203: Geo-environment and Human Health (3)
- EARTHSC 5621: Introduction to Geochemistry (3)
- EARTHSC 5550: Geomorphology (4)
- ENR 5268: Soils and Climate Change (2)
- ENR 5261: Environmental Soil Physics (3)
- ENR 5273: Environmental Fate and Impact of Contaminants in Soil and Water (3)
- CIVILEN 5220: Open Channel Hydraulics (3)
- AGSYSMT 4575: Applied Agricultural Water Management (2)
- GEOG 5210: Fundamentals of GIS (3)

- Minimum 2.00 cumulative point-hour ratio required for the certificate.

X193 credits: Not permitted.

Certificate Completion: If the certificate is not complete on the DAR, the student must consult with the College of Arts and Sciences Coordinating Advisor.

Filing the certificate program form: The certificate program form must be filed at least by the time the graduation application is submitted to a college/school counselor.

Changing the certificate: Once the certificate program is filed in the college office, any changes must be approved by the College of Arts and Sciences Coordinating Advisor.

School of Earth Sciences undergraduate advisor
Dr. Karen Royce royce.6@osu.edu; 614-292-6961

School of Earth Sciences graduate advisor
Professor Steve Lower, 084 Orton Hall, lower.9@osu.edu; 614-292-1571

Hydrogeology Certificate program guidelines

The following guidelines govern the Hydrogeology Certificate. Required for certificate:

Credit hours required: 12-15 credit hours.

Overlap with a major
- The certificate must be in a different subject than the major.
- Max 50% overlap with degree program (i.e. major, minor, other certificate, or GE)

Grades required
- Minimum C- for a course to be listed on the certificate.