

COLLEGE OF ARTS AND SCIENCES
THE OHIO STATE UNIVERSITY

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

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 Chanel Hydraulics (3)
- **AGSYSMT 4575:** Applied Agricultural Water Management (2)
- **GEOG 5210:** Fundamentals of GIS (3)

Hydrogeology Certificate program guidelines

Credit hours required: 12-15 credit hours.

Overlap with courses in a degree

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

X193 credits: Not permitted.

Certificate Completion: If the certificate is not complete on the DAR, the student must consult with the Coordinating Advisor.

Consult with Coordinating Advisor

- For filing deadlines.
- For changes or exceptions to a certificate plan.

Undergraduate certificate program:

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

- Minimum C- for a course to be listed on the certificate.
- Minimum 2.00 cumulative point-hour ratio required for the certificate.

Graduate certificate program:

Coordinating Advisor: Professor Steve Lower, 084 Orton Hall, lower.9@osu.edu; 614-292-1571

- Course selections must be numbered 4000+ outside the student's home unit and 5000+ within the home unit.
- Minimum C- for a course to be listed on the certificate.
- Minimum 3.00 cumulative point-hour ratio required for the certificate.

College of Arts and Sciences.
Curriculum and Assessment Services
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