

**COLLEGE OF ARTS AND SCIENCES
THE OHIO STATE UNIVERSITY**

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

Student: _____

Other degree programs (Majors, minors, certificate): _____

Course	Credit Hours	Semester Completed	Overlap with other major, minor, other certificate program or GE?
<i>One groundwater class</i>			
EARTHSC 5651	4		
<i>One surface water course</i>			
	3		
<i>Electives (minimum 5 credit hours)</i>			

Total Credit hours: _____ (minimum 12)

Credits double counted with major, minor, other certificate program, or GE:
_____ (maximum 50%)

Advisor's signature _____

One groundwater course (4 credits):

- EARTHSC 5651: Hydrogeology (4)

One surface water course (3 credits):

- EARTHSC 5655: 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)

