

Integrated Watershed Science Graduate Portfolio Program Coursework

The following is a list of courses suitable for use in satisfying the portfolio requirements.

Policy / Planning Courses

- Policy Research Project (PA 882D)
- Air, Water, and Toxics (LAW 341L)
- Environmental Economics (ECO 384N)
- Water Resources Planning (CRP 387C)
- Environmental Policy (PA 388K)
- Urban Hydrogeology (GEO 391)
- Sustainable Development (ARC 386M)
- Environmental Economic Policy (PA 693B)
- Water Law (LAW 376L)
- **Texas Water Policy (PA 388K)**
- **Coastal Watersheds (LAW 379M)**
- **Groundwater Resource Evaluation (EER 396)***
- Transboundary Water Resources (CE 397)
- Environmental Law (LAW 341L)
- Natural Resource Economics (ECO 384N)
- Urban Economic Development Policy (CRP 385C)
- Groundwater Management in Texas (GEO 391)
- Urban Landscape & Placemaking (ARC 386M)
- Right to the City: Environmental Justice (CRP 385C)
- Environmental Law & Policy (CRP 383)
- Environmental Readings (CRP 383)
- Urban Environmental Analysis (CRP 383)

Science/Engineering

- Watersheds Systems & Environmental Mgmt. (GRG 384C)
- Geomorphology of the Southwest (GRG 380E)
- Environmental GIS (GRG 360G)
- Landscape Ecology (GRG 396T)
- Advanced Remote Sensing (GRG 396T)
- Remote Sensing (GRG 396T)
- Landuse / Landcover Practicum (GRG 396T)
- Advanced GIS (GRG 470C)
- Remote Sensing of the Environment (GRG 493K)
- GIS in Water Resources (CE 394K)
- Surface Water (CE 394K)
- Groundwater Pollution and Transport (CE 394K)
- Environmental Organic Chemistry (CE 390P)
- Water Pollution Chemistry (CE 390N)
- Stream, Impoundment & Estuarine Analysis (CE 385K)

- Environmental Fluid Mechanics (CE 380S)
- Hydrology (CE 374K)
- Hydraulic Engineering Design (CE 365K)
- **Water Resource Planning & Management (CE 385D)**
- **Coastal Watersheds (MNS 393)**
- **Groundwater Resource Evaluation (EER 396)***
- Internship in Hydrogeology (GEO 679J)
- Groundwater Hydrology (GEO 476K)
- Physical Hydrogeology (GEO 391C)
- Environmental Isotope Geochemistry (GEO 388H)
- Physical Climatology (GEO 387H or 377P)
- Environmental Organic Geochemistry (GEO 387E)
- Digital Methods in Hydrogeology (GEO 383E)
- Geology and Hydrology (GEO 383C)
- Clastic Depositional Systems (GEO 383)
- Physical Hydrology (GEO 382S)
- Fluid Physics for Geologists (GEO 382G)
- Fractured Rock Hydrology and Mechanics (GEO 382F)
- Physical Hydrology (GEO 376S)
- Field Methods in Groundwater Hydrology (GEO 376L)
- Physical & Chemical Hydrogeology (GEO 346C)
- Hydrogeology Cooperative (GEO 329W)
- Geomicrobiology (GEO 391)
- Hydroclimatology (GEO 387H)
- Applied GIS (CRP 386)
- Forest Hydrology (GRG 396T)

Field Courses

- Groundwater Field Methods (GEO 382C)
- Aquifer Testing (GEO 191W)
- Coastal Watersheds (MNS 152T)

**Counts once, for either category.*

Courses in bold are recognized as exemplifying the interdisciplinary science-policy nature of the portfolio program.

Courses may be completed prior to applying to the portfolio program. Note that this list is not exhaustive, and courses not listed here may be deemed suitable for inclusion. If you find a course not on this list that has a substantial focus on watershed issues, please send the course title and description to the Program Coordinator and request that it be considered by the Faculty Steering Committee.