Water Resources

(Some courses below may serve as Directed Electives or Guided CAS/COF Electives, but the total for both categories must be at least 29 credits.)

**Water Resources Option (29 credits):**
Students take courses in the following four areas: Water Sciences, Watersheds and Hydrology, Water Resources and Environmental Analysis, Water Resources Environmental Policy and Management

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<th>Course Number</th>
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### Water Sciences: Choose four courses:

- CSS 305. Principles of Soil Science (4)
- FW 456. Limnology (5)
- GEO 487. Hydrogeology (4)
- MB 302. General Microbiology (3)
- MRM 442. Estuarine Ecology and Biogeochemistry (4)
- OC 332. Coastal Oceanography (3)
- TOX 430. Chemical Behavior in the Environment (3)

### Watersheds and Hydrology: Choose one course:

- FE 430. Watershed Processes (4)
- CE 412. Hydrology (3)

### Water Resources Environmental Analysis: Choose one course:

- BI 371. *Ecological Methods (3)
- BOT 547. Nutrient Cycling (3)
- BRE 448/BEE 448. Non-point Source Pollution Assessment and Control (3)
- CE 413. GIS in Water Resources (3)
- ENVE 456. Sustainable Water Resources Development (3)
- GEO 424. Water Resources Geography (3)
- TOX 455. Ecotoxicology: Aquatic Ecosystems (3)

### Water Resources Environmental Policy and Management: choose one course:

- FW 326. Integrated Watershed Management (3)
- AREC 432. Environmental Law (4)
- MRM 415. Coastal Resources Management (4)
- FOR 462. Natural Resource Policy and Law (3)
- PS 475. Environmental Politics and Policy (4)
- CSS/GEO 335. *Introduction to Water Science and Policy (3)
- GEO 425. Water Resources Management in the US (3)
- RNG 455. Riparian Ecology and Management (3)

**Options:** 1 to 7 additional credits of upper division courses approved by research mentor, for a total of 29 credits.

Mentor’s Signature __________________________ Date ____________