

**Water Resources Track.** Students choosing this track will focus on building their knowledge and skillset around environmental issues related to surface and underground water including its quality, quantity, at local and global scales. Their upper-level curriculum will be focused primarily in geology and biology.

Contact: Dr. Eric Peterson or Dr. Dagmar Budikova

**ELECTIVE TRACK B—WATER RESOURCES**

5 courses from the following:

- BSC 311 Rain Forest Ecology (3 hrs)
- BSC 375 Stream Ecology Lecture (3 hrs)
- BSC 376 Stream Ecology laboratory (1 hr)
- GEO 276 Environmental Geology (3 hrs)
- GEO 314 Aqueous Geochemistry (3 hrs)
- GEO 317 Water Resources & Environmental Law (3 hrs)
- GEO 318 Aquifer Systems (3 hrs)
- GEO 319 Watershed Analysis & Modeling (3 hrs)
- GEO 360 Groundwater Geology (3 hrs)
- GEO 361 Hydrology (3 hrs)

<p><b>POTENTIAL CAREERS</b></p> <ul style="list-style-type: none"> <li>Water Quality Specialist</li> <li>Water Resource Analyst</li> <li>Water and Wastewater Treatment Plant and Systems Operators</li> <li>Water Resource Manager</li> <li>Laboratory Technician</li> <li>Field Technician</li> <li>Environmental Technician</li> <li>Environmental Assessment Officer</li> <li>Environmental Scientist</li> <li>Soil, Water Conservationist</li> <li>Sustainability manager</li> <li>Surface Hydrologist</li> <li>Groundwater Hydrologist</li> </ul> <p><b>POTENTIAL EMPLOYERS</b></p> <ul style="list-style-type: none"> <li>National Park Service</li> <li>Environmental Protection Agency</li> <li>U.S. Geological Survey</li> <li>National Oceanic and Atmospheric Administration</li> <li>Soil and Water Conservation Service</li> <li>Forest Service</li> <li>Bureau of Land Management</li> </ul>	<p><b>POTENTIAL EMPLOYERS (con't)</b></p> <ul style="list-style-type: none"> <li>Bureau of Reclamations</li> <li>State government <ul style="list-style-type: none"> <li>Illinois State Geological Survey</li> <li>Illinois Water Survey</li> <li>Illinois Environmental Protection Agency</li> </ul> </li> <li>Local government <ul style="list-style-type: none"> <li>Park districts</li> <li>Forest preserve districts</li> <li>Water and Wastewater Treatment Plant</li> </ul> </li> <li>The private sector <ul style="list-style-type: none"> <li>Archer Daniels Midland</li> <li>Early Bird Fertilizer</li> </ul> </li> <li>Environmental Consulting Firms <ul style="list-style-type: none"> <li>Civil engineering firms</li> <li>Mining and resource extraction firms</li> </ul> </li> <li>Non-governmental organizations <ul style="list-style-type: none"> <li>The Nature Conservancy</li> <li>World Wildlife Fund</li> <li>Environmental Defense Fund</li> <li>Waste management companies</li> <li>Energy utilities</li> <li>Greenpeace</li> <li>FEMA</li> </ul> </li> </ul>
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