

ENVIRONMENTAL HYDROLOGY & WATER RESOURCES TRACK



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Positively impact society and the environment by protecting and managing precious water resources.

Hydrologists investigate the quantity and quality of water resources across and beneath the Earth's surface. They help develop solutions to water problems that can protect communities and ecosystems by synthesizing complex data into sustainable actions.

Through integrated field research, laboratory analysis, and computational techniques (ie. modeling, machine learning), students learn to address critical water security and contamination challenges, and communicate clearly to professional and public audiences. Competitive career opportunities include governmental agencies, water utilities, environmental and mining consulting firms, non-profit conservation and research organizations, and climate adaptation and sustainability programs.