

A fully-funded PhD Position in Hydrology at the University of Arizona

We invite applications for a fully-funded PhD position through the Department of Hydrology and Atmospheric Sciences at the University of Arizona. The graduate student will participate in an NSF-funded Growing Convergence Research (GCR) project on “Growing a new science of landscape terraformation: The convergence of rock, fluids, and life to form complex ecosystems across scales”. This is a highly interdisciplinary project that will involve a diverse team of researchers including hydrologists, geochemists, microbiologists, ecologists, and social scientists. The graduate student will lead the modeling effort on the hydrobiogeochemical processes in the subsurface and at the land surface under the guidance of Prof. [Bo Guo](#), Prof. [Guo-Yue Niu](#), and Prof. [Peter Troch](#). In the meantime, the student will also collaborate with geochemists from the Department of Environmental Science at the University of Arizona including Prof. [Jon Chorover](#) and Prof. [Katerina Dontsova](#). The modeling team will closely collaborate and interact with a transdisciplinary experimental team that will conduct a wide range of experiments across scales at the Landscape Evolution Observatory (LEO) at Biosphere 2.

Students with bachelor’s and/or master’s degrees in hydrology, civil and environmental engineering, environmental science, or other closely related fields are encouraged to apply. Applicants with only a bachelor's degree would need to apply to the MS program first, and express an intention to continue to complete a PhD. Candidates with a strong background in subsurface hydrological modeling and excellent programming and communication skills are especially welcome. To apply, please contact Prof. Bo Guo (boguo@arizona.edu), Prof. Guo-Yue Niu (niug@arizona.edu), and Prof. Peter Troch (patroch@arizona.edu). When contacting via email, please include the following materials: *unofficial transcripts, curriculum vitae, and a brief summary that highlights your skills and research interests relevant to the project*. All applicants should meet the minimum admission requirements (see link [here](#)) set by the Graduate College at the University of Arizona. Note that GRE scores are no longer required by the Department of Hydrology and Atmospheric Sciences. The application deadline is **January 15, 2022**.

The University of Arizona is committed to equal opportunity and affirmative action in all aspects of employment for qualified minorities, women, individuals with disabilities, and protected veterans. We strongly encourage applications from these and other underrepresented groups.