

Research Technician Positions in iUTAH (innovative urban transitions and arid-region hydro-sustainability)

We seek three technicians to take responsibilities for the operations of climatic and hydrologic monitoring systems in northern Utah. These technicians will have daily responsibility for all aspects of hydrological instrumentation network design, operation/maintenance, data quality assurance/control, and training. iUTAH (<http://iutahepscor.org>) is a statewide project funded through the National Science Foundation's EPSCoR Program. Planned research instrumentation will quantify aspects of climate, snow and vegetation dynamics, and water quantity and quality in the Logan, Red Butte, and middle Provo watersheds. Aside from these duties the iUTAH project will afford excellent opportunities for interdisciplinary experiences in hydrologic data management and interpretation. One technician will be hired to work at each of three universities: Brigham Young University, University of Utah, and Utah State University. Hiring and management reporting will be university specific (see links below).

Overall Responsibilities:

- Work with iUTAH researchers to choose instruments most appropriate for project goals; assemble quotations/bids; oversee instrument installation
- Assemble existing standard operating procedures for hydrological instrumentation; develop iUTAH-specific standard operating procedures for operation and maintenance of hydrological instrumentation to ensure that data quality, service, and security of data products are linked to needs of iUTAH researchers
- Test and calibrate hydrological instrumentation according to standard operating procedures; validate and analyze data as part of quality assurance and control
- Field data collection responsibilities include (a) conduct routine maintenance and calibration of climate and aquatic sensors according to standard operating procedures; (b) measure stream flow and prepare rating curve for surface water locations; (c) collect and prepare snow and water samples for biogeochemical analyses
- Participate in iUTAH project meetings and activities at home institution and state-wide
- Train iUTAH researchers how to use instrumentation

Minimum Requirements

- Bachelors degree in science or engineering
- Experience in field work and environmental measurements
- High motivation and independence with good interpersonal and communication skills
- Ability to lift 50 lbs
- Ability to travel on a daily basis and to work in inclement weather (rain, snow, etc.)

Preferred Qualifications

- Masters Degree with research experience/thesis in some aspect of environmental science
- Technical experience in either climate monitoring and environmental data acquisition (e.g., Campbell Scientific data loggers) or stream hydrogeography and aquatic sensors (e.g., YSI datasondes)
- Ability to drive a snowmobile or to ski in backcountry locations

Salary and benefits are competitive and specifics depend on the university hiring practices. One technician will be employed at each of three institutions. To apply for these positions, please apply through the specific HR links below

- Brigham Young University (College of Arts and Science) (zachary_aanderud@byu.edu)
- University of Utah (Global Change and Sustainability Center) (<http://utah.peopleadmin.com/postings/18498>)
- Utah State University (Ecology Center) jobs.usu.edu/applicants/Central?quickFind=57911