Position type; Student Contract, USGS Geosciences and Environmental Change Science Center, Denver Federal Center, Lakewood, CO.

Title. Field technician.

$~16.20 to ~$25/hour depending on expertise. Flexible schedule 20 to 40 hours/week.

Job Description: We are a team of scientists at the United States Geological Survey working on issues related to urban environmental hazards that includes measuring air and surface temperature, air quality, and human behaviors to understand how urban land use composition and configuration influences the degree of exposure to extreme heat and poor air quality at commuting locations. We seek well-organized, hard-working bachelors or masters students interested in these topics and willing to perform field work to collect in-situ measurements of urban environmental conditions at bus stops in the Denver Metropolitan Area. The work could also include: data management and entry, and preliminary multivariate and geospatial analysis of results. You will be hired as ‘student contractor’ at USGS and will need to register as a Federal contractor, complete a background check, and provide documentation of student status before the contract is finalized. The job will remain open until a candidate is found. Funding is available for 6 weeks for the course of the field season, though positions may be extended based on performance and available funding. Federal student contracts can last a total of 2 years.

We seek students with expertise in in-situ field collection of data, knowledge of urban environmental science, use of micrometeorological sensors (i.e. air temperature and surface temperature monitors), basic GIS skills building and digitizing maps of field site locations, data management, and quality control We also seek a student who is able to work as part of team and utilize critical thinking while in a complicated outdoor situation, such as monitoring multiple commuting locations during hours of high use. . This field collected data will be part of a NASA funded study of environmental justice that is in collaboration with the Denver Urban Field Station, The United States Forest Service, University of Colorado Denver, University of British Columbia, and The Denver Regional Transportation District. Skills in data analysis, remote sensing, programming such as R or Python, and geospatial modelling will allow for a broader scope of work but are not required.

How to Apply: Send brief cover letter and resume by email to Dr. Peter Ibsen, (pibsen@usgs.gov). Please include “Urban research student contractor” in the subject line.