



Undergraduate Student Research Positions

Be part of a team studying the carbon cycle, microbes and plant decay in Deserts

Gain experience and earn research credits

There is also the possibility to get paid in these positions

Flexible work hours to fit your schedule

School of Life Sciences, ASU, Tempe

Description: Works in both the laboratory and field as part of a research team examining the role of plants and microbes in carbon cycling in deserts. Laboratory work involves making basic measurements using analytical balances and other instruments (e.g. microscopes, gas analyzers, microclimate sensors) which you will be trained to use. Responsible for organizing data in spreadsheets (e.g. Excel) and graphically analyzing data (which you will be trained to do). Occasional cleaning of laboratory glassware and benches. Field work involves collecting plant and soil samples, collecting data from gas-exchange and climatological instruments, and maintaining experiments at field sites. This may require spending up to 3 hours on some days outdoors; temperatures may exceed 100°F on some days at our field sites.

Qualifications: Available to work this semester, and preferably next semester. You should be able to commit to 10-20 hrs/wk to work during the semester. If you perform well it is likely you will be offered a paid research position over the upcoming summer and future semesters. Positions may be extended through subsequent semesters depending upon satisfactory performance and continued funding availability. General knowledge of biology or chemistry to include at least 2 introductory college courses in either biology or chemistry for majors. Good organizational, quantitative and analytical skills. Ability to organize data in spreadsheets and follow instructions to manipulate and analyze data. Comfortable working in an outdoor setting. Valid driver's license. Preferred: GPA > 3.0.

Number of Positions: 1 - 3

Title: Research/Laboratory Aide

Hours/Week: 10-20 hours/week (w/ some flexibility)

For research credits with possible pay for qualified applicants

Availability: immediately

Contact: Thomas (Tad) Day, Professor, School of Life Sciences, ASU, via email: tadday@asu.edu

Project: *The role of microbes and sunlight in carbon cycling in the Deserts*

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