

Department: **Biology**

Working Title: **3DForests Student Assistant**

Classification: **Instructional Student Assistant**

Number of Openings: **10**

Pay Rate: **\$16/hour**

Appointment: **up to 40 hrs/week**

Expected Dates of Employment: **May 28, 2021 - August 16, 2021**

Deadline to Apply: **Open Until Filled**

Requisition #: **BIO_ISA_2122_2**

DUTIES OF THE POSITION

Major duties of the position include, but are not limited to, the following: The student assistant will work under the direction of the Principal Investigator (PI) and/or Co-Principal Investigator to support research on a current CAL FIRE and ARI grants. In the field, students will assist with measurements of aboveground biomass, fire fuels, and forest structure parameters using both traditional forestry methods and remote sensing approaches. In the lab, students will organize existing and new field data, process point clouds into various metrics and perform data analysis, field data entry, and producing graphs and figures for scientific papers.

MINIMUM QUALIFICATIONS

The ability to learn and perform assigned work; work cooperatively with faculty, staff, and other students; and accept responsibility. Completion of specific coursework may be required in order to teach, grade, or tutor a course. Admission or registration as a University student. Note: Exceptions to the minimum eligibility qualifications may be granted at the sole discretion of the University.

HIRING CRITERIA

Experience doing field work related to forestry and ecology applications. Ability to work outside in rugged conditions. Ability to work independently or in a team. Intermediate proficiency with computers and Microsoft Office Suite (Outlook, Word, Excel) required. Knowledge of terrestrial laser scanning techniques, UAV operation and 3D point cloud processing software (Pix4D, Lidar360, CloudCompare, RiScan) and database, geospatial (ArcGIS), and statistical software (R) preferred but not required. Organized, communicative and motivated to acquire new skills and knowledge.

HOW TO APPLY

Email application to lisa.bentley@sonoma.edu

HIRING NOTIFICATION

Applications will be notified by email

SUPERVISOR

Faculty Affairs

Dr. Lisa Bentley, lisa.bentley@sonoma.edu

OTHER INFORMATION

- The classification, Instructional Student Assistant, is one of three classifications in a collective bargaining unit, Unit 11. Instructional Student Assistants, who must be currently enrolled University students, perform tutoring, grading, or teaching-related duties under the supervision of faculty or professional staff.
- Sonoma State University hires only individuals lawfully authorized to work in the United States. All offers of employment are contingent upon presentation of documents demonstrating the appointee's identity and eligibility to work, in accordance with the provisions of the Immigration Reform and Control Act.
- The university is an Affirmative Action/Equal Opportunity Employer. We consider qualified applicants for employment without regard to race, religion, color, national origin, ancestry, age, sex, gender, gender identity, gender expression, sexual orientation, genetic information, medical condition, disability, marital status, or protected veteran status.
- This position is considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.
- Successful candidates may be required to do a background check (including a criminal records check) before work in the position can begin.



SONOMA STATE UNIVERSITY

1801 East Cotati Avenue
Rohnert Park, CA 94928-3609