

Department: Engineering

Working Title: Wireless Community Emergency System

Classification: Instructional Student Assistant

Number of Openings: 2

Pay Rate: \$ 17.86

Appointment: 5-15

Expected Dates of Employment: May 23, 2026 – July 31, 2026

Deadline to Apply: May 10, 2026

Requisition #: ENGIN_ISA_SUM26

DUTIES OF THE POSITION

The student will assist in the design, development, and testing of a Meshtastic-based communication system for community and research applications. Responsibilities include assembling and programming microcontroller-based devices, working with LoRa communication modules, performing field testing, collecting and analyzing data, and assisting with documentation and system integration. The student may also support deployment of devices and troubleshooting in real-world environments.

MINIMAL 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, complete research, or tutor for 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

- Basic knowledge of microcontrollers (Arduino, ESP32, or similar)
- Familiarity with electronics and circuit assembly
- Interest in IoT, wireless communication, or embedded systems
- Experience with programming (C/C++ or Python preferred)
- Ability to work independently and as part of a team
- Strong problem-solving skills and willingness to learn

HOW TO APPLY

Farid.farahmand@sonoma.edu

HIRING NOTIFICATION

Applicants will be notified via email regarding the status of their application. Selected candidates will be contacted for a brief interview.

SUPERVISOR

Dr. Farid Farahmand

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.

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