SenSIP NSF Research Experiences for Teachers (RET)
on Sensors and Machine Learning (AI)

Program Dates: Arizona State University, Tempe, June 1 – June 26, 2026

Program Benefits

$8000 ($6k +$2k) stipend. The additional $2k requires lesson implementation and research report submission.
Teachers/Instructors work on projects with ASU Professors and Graduate student researchers on cutting edge topics.
Teachers/Instructors learn how to program machine learning algorithms for analytics
Teachers/Instructors learn to work sensor circuits for health related and other applications.
Teachers/Instructors form lesson plans on machine algorithms and implement in their classes.

Program Eligibility

- Open to U.S. citizens or U.S. permanent residents
- High school teachers or community college faculty in STEM areas (Computer Science, Engineering, Physics, Chem, Bio, Math)
- Ability to work 40 hours per week for the entire 5-week program (NSF requires 100% engagement in June)
- Teachers (or those serving students) from diverse groups and underrepresented STEM programs are encouraged toapply

Program Application

Applications due by March 15, 2024 and will require the following:

1. A completed online application.
2. A brief resume/CV.
3. A professional letter of recommendation (department chair, principal, colleague, etc.).

RET Projects

Projects in Sensors & Machine Learning

Applications include health, security, energy, multimedia, and communications.

Quantum computing systems projects.

For details email to sensip@asu.edu

Application form at: **https://sensip.engineering.asu.edu/ret**

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