



Research Experience for Teachers in Innovative Transportation Systems (ITS-RET)

Secondary school teachers and community college faculty in STEM and CTE fields are invited to join researchers and faculty at Montana State University for a unique professional development opportunity this summer in Bozeman.

RET participants will work on research teams, participate in curriculum development workshops, and implement new teaching materials during an intensive 6-week program. Research projects will focus on the unique challenges of rural transportation systems and on the development and testing of new infrastructure materials, technologies, and models designed to improve rural transportation.

Participants will participate in research in one of the program's two thematic areas:

1 Sustainable Infrastructure Materials and Practices

2 Rural Safety, Mobility and Operations

The program will:

- Provide professional development and build a network of teachers, faculty, researchers, and industry for future collaboration.
- Strengthen teachers' understanding of the engineering research and design process;
- Foster teachers' ability to translate multidisciplinary research experiences into coursework that promotes student enthusiasm through engagement with familiar real-world problems;
- Provide support for implementation of new curricula.

Benefits participants will receive:

- \$6,000 stipend
- Reimbursement for travel to MSU-Bozeman up to \$700
- Housing and meal stipend
- Up to \$1,500 for lab materials or other supplies to develop classroom materials or experiments.

Eligibility:

Community college faculty in engineering, construction, STEM, and Computer Science/IT programs; and STEM/CTE secondary school teachers working in Montana or Nebraska are invited to apply. Teachers serving rural communities strongly encouraged to apply.

Program Dates:

July 2- August 10, 2018

Application deadline:

January 5, 2018

For more information and application:

<http://wrtwc.org/resources/for-educators/>

