

**MICHIGAN TECHNOLOGICAL UNIVERSITY
CLASSIFICATION DESCRIPTION**

Job Title: SENIOR RESEARCH SCIENTIST I (pay grade 260)
Department: MICHIGAN TECH RESEARCH INSTITUTE
(Based in Ann Arbor)
Salary Guideline: COMMENSURATE WITH EXPERIENCE
Exempt (Y/N): YES
Supervisor: SENIOR RESEARCH SCIENTIST II

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| POSITION DURATION DEPENDENT UPON EXTERNAL FUNDING |
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SUMMARY: Provide technical support of activities related to Michigan Tech Research Institute (MTRI) transportation and USDA activities. The position requires a strong background in transportation issues (federal, state and county levels), knowledge in environmental assessments and agriculture also desired. The position is based at MTRI in Ann Arbor, MI.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

Participate in research-related activities awarded to MTRI in conjunction with other staff, including formulating and writing proposals, planning and management of research projects, report preparation, and presentation of findings on an as needed basis.

Provide technical assistance to federal, state and local agencies on transportation related issues.

Provide technical assistance to federal, state and local agencies on agricultural issues.

Conduct workshop on transportation issues for MTRI sponsors.

Provide technical input on MTRI transportation and agricultural projects as appropriate.

Deliver program-related presentations to program clients and related professional organizations.

SUPERVISORY RESPONSIBILITIES:

Supervision will be exercised over staff and student interns.

QUALIFICATION REQUIREMENTS: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE:

REQUIRED:

Ph.D. in transportation and/or agriculture and two years related experience.

OR

Master's degree in transportation and/or agriculture and five years related experience.

AND

Five years experience using personal computer and basic software packages.

DESIRABLE:

Knowledge and experience in GIS and Decision Support Systems.

Experience in directing small technical groups.

Experience in project management.

Experience in collecting field data.

OTHER SKILLS AND ABILITIES:

REQUIRED:

Excellent oral/written and presentation communication skills.

Excellent interpersonal, customer service, and organizational skills.

Demonstrated ability to prepare technical publications and presentations.

Demonstrated ability and willingness to devote 15 to 25% of time to travel.

Demonstrated ability to speak before large and small groups of people.

Demonstrated ability to work independently and take the initiative to solve problems.

Demonstrated ability to work with accuracy and attention to detail.

Demonstrated ability and willingness to work flexible hours.

Demonstrated ability to obtain DOD security clearance.

DESIRABLE:

Demonstrated record of writing successful proposals.