

**MICHIGAN TECHNOLOGICAL UNIVERSITY  
CLASSIFICATION DESCRIPTION**

**Job Title:** ASSISTANT RESEARCH SCIENTIST -  
STATISTICS RESEARCH ANALYST  
(pay grade 220)  
**Department:** MICHIGAN TECH RESEARCH INSTITUTE  
(Based in Ann Arbor, MI)  
**Salary Range:** MINIMUM \$30,380 – MAXIMUM \$63,089  
**Exempt (Y/N):** YES  
**Supervisor:** SENIOR RESEARCH SCIENTIST

<b>POSITION DURATION DEPENDENT UPON EXTERNAL FUNDING</b>
--

---

**SUMMARY:** Provide support for ongoing and future programs focused on the application of sensor and information technology through mathematical and statistical analysis. The position is based at MTRI in Ann Arbor, MI ([www.mtri.org](http://www.mtri.org)).

**ESSENTIAL DUTIES AND RESPONSIBILITIES** include the following. Other duties may be assigned.  
Participate in research projects as a team member applying mathematical and statistical skills to create and apply innovative solutions to research issues.  
Work closely with senior researchers on collecting and analyzing sensing data.  
Contribute technical expertise to specific aspects of conference presentations, journal articles, and technical reports.  
Contribute to competitive proposals as appropriate.

**SUPERVISORY RESPONSIBILITIES:**  
None.

**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:**

Bachelor's degree in mathematics or statistics.

**OTHER SKILLS AND ABILITIES:**

**REQUIRED:**

Ability to obtain a DoD security clearance, which requires United States citizenship.

Strong statistical background demonstrated through classes such as linear models, applied statistics, nonparametric statistics, biostatistics, and probability.

Strong mathematical background demonstrated through classes such as higher-level calculus, linear algebra, Fourier transform theory, numerical mathematics, abstract algebra, and number theory.

Knowledge of statistics packages such as R and SAS.

Excellent interpersonal, written, and oral communication skills.

Ability to communicate complex ideas clearly for audiences with diverse levels of expertise.

Demonstrated organizational ability and attention to detail.

**DESIRABLE:**

Ability to contribute to competitive grant proposals.

Computer programming experience – specific applications of importance are MATLAB, C++, and Python.

Experience with GIS and geospatial analysis.

Experience with data collection and analysis.

Experience with radar and electro-optical remote sensing platforms.