

**MICHIGAN TECHNOLOGICAL UNIVERSITY  
CLASSIFICATION DESCRIPTION**

**Job Title:** APPLICATION PROGRAMMER  
**Department:** LOCAL TECHNICAL ASSISTANCE PROGRAM,  
MICHIGAN TECH TRANSPORTATION  
INSTITUTE  
**Salary Guideline:** MINIMUM \$28,125 – MAXIMUM \$58,390  
(IT level 3)  
**Exempt (Y/N):** YES  
**Supervisor:** PROGRAM MANAGER

**POSITION DURATION  
DEPENDENT UPON  
EXTERNAL FUNDING**

---

**SUMMARY:** Design, implement, test, document, and maintain software systems distributed by the Technology Development Group.

**ESSENTIAL DUTIES AND RESPONSIBILITIES** include the following. Other duties may be assigned.  
Write, modify, and test new and existing software programs in a development team environment.  
Maintain existing systems by making modifications as desired.  
Assist in the creation of technical specifications and test plans.  
Assist in the collection and documentation of user requirements.  
Assist in the development of logical and physical specifications.  
Provide direct technical support to customers.  
Develop and present user-training seminars.

**SUPERVISORY RESPONSIBILITIES:**

Functional supervision may be exercised over student assistants.

**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 computer science or an equivalent combination of education and experience from which comparable knowledge and abilities can be acquired.**

**Two years experience writing, debugging, and testing software applications.**

**DESIRABLE:**

**Experience in software development using MS Visual Basic.**

**Experience in software development on the MS Windows platform.**

**Experience in database design using MS SQL Server or other database systems.**

**OTHER SKILLS AND ABILITIES:**

**REQUIRED:**

**Excellent written/oral communication skills.**

**Demonstrated ability to speak before groups of people.**

**Demonstrated ability to work in or adapt to a wide variety of programming languages, operating systems, and hardware platforms.**

**Demonstrated appreciation of user needs and proved ability to work as part of a team.**

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

**Demonstrated ability to communicate effectively across cultural boundaries and work harmoniously with diverse groups of students, faculty and staff.**

**DESIRABLE:**

**Demonstrated knowledge of GIS systems.**

**Demonstrated knowledge of Transportation Management Systems.**