

# MORGAN STATE UNIVERSITY JOB SPECIFICATION



## **IT PROGRAMMER II**

Class Code: N1052

FLSA Code: N/E (Non-Exempt)

Pay Range: 15

### **JOB SUMMARY**

Under general supervision, designs, codes, tests, debugs, documents, and maintains complex computer programs within the applicable environment. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, software constraints, operating time, and form of desired results; participates in system and application security and control procedures.

### **PRIMARY DUTIES**

1. Develops complex programs which may include programming to include interpreting specifications; designing program logic to achieve performance; coding, compiling, debugging, and testing program logic.
2. Reviews the application design specifications and implementation strategy with respect to the potential impact on new and existing data structure and system performance.
3. Provides guidance and training to less experienced coworkers.
4. Participates in strategies for total system and application security.
5. Implements control procedures consistent with audit requirements.
6. Develops and maintains client system and operations documentation.
7. Develops materials for client training sessions and assists in delivering training sessions.
8. Responds to inquiries and requests from clients.

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**Note:**

The intent of this list of primary duties is to provide a representative summary of the major duties and responsibilities of this job. Incumbents perform other related duties assigned. Specific duties and responsibilities may vary based upon departmental needs.

**MINIMUM QUALIFICATIONS**

**EDUCATION:** High School Diploma or GED.

**EXPERIENCE:** Two years applicable programming experience.

**REQUIRED KNOWLEDGE/SKILLS/ABILITIES**

General knowledge of applicable programming languages and software packages.  
Working knowledge of security and internal control procedures related to programming.  
Skill in writing programs in applicable languages; in analyzing and designing program logic. Ability to operate applicable computer input devices and peripherals; to communicate effectively with clients; to resolve programming problems and determine the impact of proposed solutions; to communicate effectively in writing.

**OTHER:** Except for qualifications established by law, additional related experience and formal education in which one has gained the knowledge, skills, and abilities required for full performance of the work of the job class may be substituted for the education or experience requirement on a year-for-year basis with 30 college credits being equivalent to one year of experience.