***This old UMB job description was created between 2000 and 2014 and is being provided as a template or guide in the preparation of a current job description. The essential functions are general in nature and may not accurately depict the duties of a specific unit. Managers are encourage to update and provide specific duties that are applicable to work being performed in the unit.***

Job Title: **IT Applications Programmer & Developer, Senior**

Job Family: Information Technology

Sub Family: IT - Applications Development

**Job Summary:**

The Senior Application Programmer develops, creates, modifies, and test code, forms, and script that allow for the creation and maintenance of an electronic applications. Develop specifications from analyzing user needs; develop software solutions; and determine required data to determine application functionality. Analyze and design database within an application individually developing database. Develop and write computer application to store, locate, and retrieve data and produce reports.

**Essential Functions:**

* Develop, invent, research, and write application to store, locate, and retrieve data and information. Gather, analyze and design, implement, integrate, test, deploy and support.
* Analyze environment and determine the best strategies to extract or link data to divergent systems and integrate the application. Ensure data captured includes any additional information, templates, customization required.
* Develop, direct, and manage application testing and validation procedures, programming and documentation. Correct errors by making appropriate changes and rechecking the application to ensure that the desired results are produced.
* Conduct trial runs of program and application to be sure they will produce the desired information and the instructions are correct. Determine application limitations and capabilities, performance requirements, and interfaces.
* Perform and direct revision, repair, or expansion of existing application to increase operating efficiency or adapt to new requirements.
* Perform other duties as required, such as working the other groups to provide technical solutions and support for specialized applications.
* Performs other duties as assigned.

**Minimum Qualifications**

Education: Bachelors in computer or information sciences or related field.

Experience: Four (4) years of related computer programming or application development experience.

Supervisory:

Licensure/Certification:

Other: No subsitution of experience for minimum education requirement.

**Knowledge, Skills, and Abilities**

*Managers may provide prefered knowledge, skills, and abilities as necessary.*

Job Code: E0790F

SOC Code: 151132 IPEDS: Computer

EEO6 Code: Professional State Code: 9749502

USM eCode: E40076 AAP Code: 3A