***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 Security Engineer, Senior**

Job Family: Information Technology Sub Family: IT - Security

**Job Summary:**

The Information Technology Security Engineer Senior position will assist the University’s IT Security Officer in proactively protecting the integrity, confidentiality and availability of information for the University.  This includes protecting the network infrastructure, servers, desktops and University data against theft, misuse, breach and compromise.

**Essential Functions:**

* Evaluate current security architecture and investigate new and different ways to increase overall security through improvements to existing solutions and the implementation of new technology or programmatic solutions.
* Manage and monitor the campus’ Intrusion Prevention System (IPS), firewalls, software security and data integrity tools, and vulnerability scanner and provide incident detection and response.
* Work with central departments and schools to manage their security profile ensuring that it meets the requirements of the campus security program.
* Implement data classification and proper segmentation of systems to meet Office of Legislative Audits (OLA) audit guidelines and be responsible for identifying sensitive data identification through the use of open source or commercial software.
* Provide oversight and manage the growing number of known and unknown schools and departments that take credit card payments for goods and services.
* Assists in developing policies that will support new initiatives or required changes/enhancements to campus IT security.
* Develop education programs and awareness tools used to educate users on the proper procedures for conducting business on the Internet.
* Performs other duties as assigned.

**Minimum Qualifications**

Education: Bachelors in Information Technology, Computer Science, Systems Administration, Computer Engineering or a related field.

Experience: Five (5) years directly related experience in developing and implementing security projects and programs

Supervisory:

Licensure/Certification: Certification in CISSP or GIAC GSEC.

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: E0788G

SOC Code: 151121 IPEDS: Computer

EEO6 Code: Professional State Code: 9749504

USM eCode: E40075 AAP Code: 3A