***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, Lead**

Job Family: Information Technology Sub Family: IT - Security

**Job Summary:**

The Information Technology Security Engineer Lead 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:**

* Serve as the subject matter expert for IT Security solutions providing consultations to university schools and departments. Provide technical mentorship to junior members of the IT Security staff.
* Serve as a subject matter expert for IT Security solutions to technical staff within CITS and other campus IT organizations.
* 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.
* Serve as project leader and chief implementer for strategic enhancements to the campus IT security architecture from concept phase through finished product.
* Lead the Risk and Vulnerability Management programs within the IT Security and Compliance Office. Conduct compliance-mandated assessments of critical IT systems and provide ad hoc assessments for campus departments upon demand. Identify vulnerabilities and recommend mitigation plans.
* Develop policies that will support new initiatives or required changes/enhancements to campus IT security.
* Develop and implement education programs and awareness tools used to educate users on the proper procedures for conducting business on the Internet.
* Perform other duties as assigned,

**Minimum Qualifications**

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

Experience: Six (6) 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