***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 Engineer, Directory Lead**

Job Family: Information Technology Sub Family: IT - Security

**Job Summary:**

This position is a critical contributor to the maintenance and advancement of identity management, data integration, and directory service processes across the University. The Lead Directory Engineer contributes to the design and implementation of identity management practices that meet the needs of the University while ensuring compliance with industry and auditor standards. Serves in a lead capacity to providing complex technical expertise, guidance, and direction over a work group or project team and is responsible for all aspects of directory software application, upgrades, integration, maintenance, support, backups, and other general administration.

**Essential Functions:**

* Develop, execute, and manage the application and configuration of an identity provider and campus directory(s).
* Provide research, analysis, design and problem resolution for increasingly complex technical issues that will impact directory infrastructure.
* Establish and maintain data feeds to applications for account provisioning, data exchange, password synchronization, and reporting.
* Assess needs of applications for authentication and authorization and determine best method of integration.
* Understand and develop technological solutions that are aligned with the organization's goals.
* Diagnose and correct complex systems failures with far reaching campus implications.
* Consult on or conduct operational effectiveness reviews to ensure systems are functioning as designed.
* Serve as the senior technical specialist to partner with other technical staff in designing project scope, tasks, and plans for development of new systems or modifications to existing systems.
* Performs other duties as assigned.

**Minimum Qualifications**

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

Experience: Four (4) years spent progressively building a background in identity management, integrating disparate systems, and/or implementing applications that leverage identity management and directory services.

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: E0781H

SOC Code: 151121 IPEDS: Computer

EEO6 Code: Professional State Code: 9749504

USM eCode: E3007E AAP Code: 3A