

**USF Job Class Description**

JOB CODE: 9572

JOB TITLE: Applications Developer III

PAY PLAN: 21

CAREER BAND: F

FLSA: P

CBU: 29

Effective 10/21/2016

**Job Title: Applications Developer III****Job Summary**

An Applications Developer III serves as the technical expert on complex applications development work assignments and problems, typically for the entire life cycle of an application to include analysis, coding, testing, and documentation. The Applications Developer III applies significant professional experience and training in information technology and computer programming to the analysis, design, modification, and maintenance of application programs, integrated systems, and/or software solutions.

**Nature of Work**

This is a professional information technology position that most often will work as a part of an Applications Development team in a central IT department such as the Division of Information Technologies, USF Health IT, Academic Computing, or a regional campus IT unit. This position may also be located in a program, center, or institute where a major function of the unit is the development and support of a specialized application. Incumbents in this classification must possess an advanced and comprehensive knowledge of applications systems development and the system(s) they support, along with knowledge of other information technology functions to apply a broad and interactive perspective to applications development. This position requires specialized knowledge of appropriate programming languages and development tools. This is a senior level professional position requiring the ability to complete the most difficult development and programming tasks independently. The Applications Developer III will be called upon to provide guidance and project direction to other staff members on the development team, and will serve as an expert resource within the university on the functionality of their assigned system(s).

**Examples of Duties**

The following list provides examples of the most typical duties for positions in this job class. Individual positions may not include all of the examples listed, nor does the list include all of the work that may be assigned to positions in this job class.

- **Application Programming and Software Development**
  - Develop programming code and software modifications using appropriate languages and tools to provide responsive and innovative solutions, and new functionality in enterprise-wide and/or complex specialized systems.

- Research, design, and develop prototypes using USF-specific selected products and technologies to demonstrate utility, productivity enhancements, and cost savings.
- Write documentation to provide user support for programs and for production/operating procedures.
- Develop, maintain and support associated databases.
- **Systems Analysis and Development**
  - Analyze user system and application needs, determine and evaluate potential solutions, develop system specifications and requirements, and design application programs to meet the requirements.
  - Design integrated solutions which may include applications, databases, networks, and related systems.
  - Research, analyze and evaluate current technical trends, emerging technologies and standards, new software functionality, and alternative software solutions to determine applicability and viability at USF.
- **Data Base Analysis and Development**
  - Structure, implement, and maintain database systems. Establish policies, standards and procedures to ensure useful and readily accessible data.
  - Design database systems and programs.
  - Analyze data requirements, develop and document data dictionary, and develop data models.

#### **Minimum Qualification Requirements**

Bachelor's degree in Computer Science, MIS or other field involving software and analytical training, and four years of IT related work experience, OR a Bachelor's degree with no specific required field and five years of IT related work experience, OR a Master's degree and three years of IT related work experience, OR a combination of eight years of IT related work experience and validated training. Preparation for a relevant IT certification is considered to be related training.