CLASS TITLE: SENIOR SYSTEMS ANALYST/PROGRAMMER

BASIC FUNCTION:

Under the direction of the Director of Enterprise Application Systems, perform complex analysis, design, coding, testing, and documentation of computer applications for administrative systems related to application upgrades, new programming projects and application enhancements. Administrative systems include, but are not limited to, Ellucian Banner, Degree Works, ODS, Luminis/Banner web self-service portal, Hyland imaging system, and interfaces to various 3rd party applications. Additionally, day-to-day technical support of other assigned administrative systems applications.

Primary responsibilities include maintaining a high level of expertise on the Ellucian Banner application, including underlying database and web technology. Senior Systems Analysts/Programmers must have a high level of technical skills in regards to supporting and enhancing the Banner Administrative Systems.

REPRESENTATIVE DUTIES:

ESSENTIAL DUTIES:
Provides technical support, analysis and programming to ensure complete and appropriate use of the Banner Administrative System

Reviews user needs and requests, develops proposed solutions to needs and Requests for Enhancements where required; participates in the development and adherence to project schedules

Designs, develops and implements application enhancements while ensuring adherence to standards and procedures for client/server system development, database access, web-based development, change control, and reporting

Assists in developing software and systems to optimize performance of Oracle relational database systems, client/server application access and enhance/support Web applications accessing relational databases

Analyzes and assesses user needs; Works with clients to develop program specifications for requirements not met by Banner

Designs, develops, tests, and implements software that supplements or integrates with the Banner application; Customizes and maintains Banner objects as required

OTHER DUTIES:
Performs related duties as assigned

August 2011; revised 12/2012 updated system name
KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:
Proficiency with Oracle 11g relational database, solid knowledge of Oracle 11g design and development environment, including database functions, triggers and views.
Strong problem solving skills; strong relational database and SQL skills.
Principles, techniques, security procedures and processes of Web based systems accessing complex relational database management systems.
Firm understanding of software design principles, including OOP experience.
Principles, techniques and concepts involved in computer programming and program analysis in the following languages: PL/SQL, Oracle SQL*Plus, Java and Javascript.
Specific Unix procedures/commands related to RDBMS analysis and programming.
Oral and written communication skills.
Interpersonal skills using tact, patience and courtesy.

ABILITY TO:
Participate in requirements analysis, development and maintenance of Oracle/SQL-based applications.
Ability to work independently and effectively as part of a technical team, including working with cross-module integration.
Program and participate in testing and implementation of computer system application updates and upgrades.
Communicate effectively both orally and in writing at both the technical level and with applications users.
Learn new technologies and develop related required skills rapidly and effectively.
Communicate effectively both orally and in writing.
Understand and follow oral and written directions.
Maintain records and prepare clear, complete and concise reports and records.
Meet schedules and time lines.
Establish and maintain cooperative and effective working relationships with others.
Work independently with little direction.
Plan and organize work.
Operate a wide variety of computers and related equipment.

EDUCATION AND EXPERIENCE:

A typical way of obtaining the knowledge, skills and abilities outlined above is any combination of education and experience that would likely provide the required knowledge, skills and abilities to meet the following minimum requirements: Two (2) years college with major course work in computer science or related field AND six (6) years of increasingly responsible related experience.

If qualifying for this position through the possession of a Bachelor’s degree in computer science or related field, then the required years of experience is four (4) years.
Knowledge and experience with the Oracle application development environment and UNIX environments is required.

DESIRED QUALIFICATIONS:

- Ellucian’s Banner version 8.x or above in a minimum of one of the following Banner suite of systems: Student, Finance, Financial Aid and/or Human Resources
- Experience with the implementation and maintenance of Banner with California Baseline (CALB) enhancements
- Knowledge of data warehousing, data modeling, ETL techniques and Oracle Warehouse Builder
- Preference will be given to applicants who have experience working with Ellucian’s Banner system
- Minimum of two (2) years hands-on experience working with Linux/Unix operating system environment, UC4’s AppWorx, Evisions (Intelliecheck, FormFusion, and Argos) preferred

WORKING CONDITIONS:

ENVIRONMENT:
Office environment.

PHYSICAL DEMANDS:
Dexterity of hands and fingers to operate a computer keyboard.
Seeing to read a variety of materials.
Sitting for extended periods of time.
Hearing and speaking to exchange information and make presentations