Position: Senior Programmer Analyst

<table>
<thead>
<tr>
<th>Position Number:</th>
<th>FLSA: Non-Exempt – (Classified CSEA)</th>
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<tbody>
<tr>
<td>Department/Site:</td>
<td>I.T.</td>
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<td>Reports to:</td>
<td>Director, dean, or other administrator in assigned area</td>
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<td>Salary Range:</td>
<td>44</td>
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**BASIC FUNCTION:**

Under the direction of the Director of Information Technology Resources, in addition to the functions performed by a Programmer Analyst, serve as a project leader for assigned projects; perform multi-tiered programming; perform system administration on the college’s integrated information system; support related third party software maintenance and integration; train and provide technical assistance to other programming staff.

**REPRESENTATIVE DUTIES:**

- Perform the duties of a Programmer Analyst
- Plan, organize and schedule projects and work assignments; train and provide work direction to other programming staff.
- Serve as a project leader for assigned projects; coordinate with software vendors to develop software to enhance established functions.
- Perform system level studies of IDEs (Integrated Development Environments) to determine appropriate IDEs.
- Oversee and install software changes/patches and customizations.
- Consult with users to determine systems and program requirements and objectives and to identify and resolve problems in existing programs and systems.
- Provide information necessary to produce systems and program documentation and procedures.
- Troubleshoot problems with hardware, software and networks and assist in resolutions.
- Coordinate with the District and other colleges to implement functional and procedural changes in assigned systems.
- Write, debug, test and document various programs, assigned languages, databases, data warehouses and utilities.
- Prepare reports and documentation on inputs, outputs, database, and document control methods.
- Coordinate problem resolutions and training with vendors.
- Plan for business continuity, security, and disaster recovery.
- Use higher programming languages to write and modify programs, system and databases to meet design specifications; test and debug programs as necessary.
- Troubleshoot problems with hardware, system and application software and networks and assist in resolutions.
- Perform related duties as assigned.
KNOWLEDGE AND ABILITIES:

All of the knowledge and abilities required of a Programmer Analyst and the following:

KNOWLEDGE OF:

- Designated programming/database/system interfaces and languages and how they are used and inter-relate within the current web, Tomcat, DMI, Uniobjects and Datatel environments.
- Principles and techniques of systems and programming work including analysis, design, documentation and project management.
- Research and analysis techniques as related to computer programming and system integration.
- Techniques of testing and debugging computer programs.
- Operation, capabilities and limitations of computer equipment.
- Principles of training and providing work direction to others.
- Principles and techniques of systems and programming work including research, analysis, design and documentation.
- Techniques in disaster recovery, network and database security.

ABILITY TO:

- Serve as a project leader for assigned projects and provide work direction and technical assistance to programming staff.
- Teach programming staff related to new programs and systems.
- Use standardized, multi-tiered programming languages.
- Analyze user needs and develop effective systems and programs.
- Map workflows.
- Perform programming duties in the development of computer applications and maintenance of existing programs and systems.
- Demonstrate capability to integrate system development across platforms, languages, databases and networks.
- Design, code, compile and implement structured computer programs.
- Test, debug and document programs.
- Meet schedules and time lines.
- Demonstrate understanding of, sensitivity to, and respect for the diverse academic, socio-economic, ethnic, cultural, disability, religious background and sexual orientation of community college students, faculty and staff.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: a bachelor’s degree in computer science or related field and two years of computer programming/system maintenance experience on a relational database system (such as Oracle). Experience beyond two years may be applied toward the education requirement on a two years experience for one year of coursework basis.

WORKING CONDITIONS:
ENVIRONMENT:
Indoor environment.

PHYSICAL DEMANDS:
Sitting for extended periods of time.
Dexterity of hands and fingers to operate a computer keyboard.
Vision in order to read computer screens and documentation.

<table>
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<tr>
<th>CLASS HISTORY</th>
<th>CLASS DATA</th>
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<tbody>
<tr>
<td>Established: April 2008</td>
<td>EEO Category:</td>
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<tr>
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<td>Bargaining/EE Unit: CSEA</td>
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