

PALOMAR COMMUNITY COLLEGE DISTRICT

AUTOMATED SYSTEMS PROGRAMMER ANALYST

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

Under general direction from the Director, Information Systems, perform complex computer systems analysis to design, develop, test, and install college web-based and IVR applications; perform complex application systems analysis and programming; design, write, test, install, document, maintain and enhance systems to assure proper operation; interact with District faculty and staff to determine requirements, needs and desired output; work effectively with district user services and technical staff to assure user information needs are met; perform related work as required such as training and documentation; implements policies and procedures; and performs other related work as assigned

SUPERVISION RECEIVED AND EXERCISED

Receives direction from the Supervisor Systems & Programming.

Exercises functional and technical supervision over programming staff.

ESSENTIAL FUNCTION STATEMENTS *Essential responsibilities and duties may include, but are not limited to, the following:*

Essential Functions:

- Recommend and assist in the development and implementation of department goals, objectives, policies and procedures.
- Analyze and recommend approach and time frame for vendor release upgrade installations.
- Collaborate with users in the construction of testing procedures to ensure accuracy of information systems and data integrity.
- Manage and maintain physical databases on central and college servers including database storage management, procedures, tools for access, and monitoring and tuning of District databases to ensure on-going operation and access.
- Design, develop and analyze installation checklists and benchmarks for testing new software releases; prepare and maintain documentation for database maintenance, backup and recovery procedures.
- Plan, develop, implement and administer disaster recovery plans for the systems environment to ensure systems integrity.
- Provide for PeopleSoft application support and maintenance.
- Management and implementation of PeopleTools upgrades, PeopleSoft applications upgrades, and PeopleSoft patches and fixes.

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- Design and create new databases and refresh test database environment. Participate in the assessment of vendor product evaluations and selection as assigned.
- Develop software to meet user and/or internal specifications.
- Participate in meetings related to assignment; attend staff and college committee meetings as necessary.
- Participate in department budget preparation and administration; prepare cost estimates for budget recommendations; submit justifications for computer equipment and supplies.
- Document assignment status as required; apprise management of problems or unexpected resource requirements.
- Provide security management of PeopleSoft security in absence of system security manager; consult with system security manager regarding new or revised security policies and procedures.
- Exercise functional and technical supervision over programming staff.
- Other related duties as assigned.

QUALIFICATIONS

Knowledge of:

- Computerized data systems and peripherals, including machine capabilities and applications potential.
- Principles and techniques of complex computer programming, systems analysis, data processing and programming documentation.
- Programming languages, operating methods and available software.
- Unix operating systems.
- Uses, capabilities, characteristics, and limitations of computers and related equipment.
- Complex computer operating methods, languages and procedures.
- Records storage and handling techniques.
- Principles of supervision and training.

Ability to:

- Analyze complex administrative and data processing systems, identify problems, and develop logical conclusions and effective solutions.
- Coordinate and supervise systems analysis and design programming.
- Analyze, design, program, install and maintain highly complex computer programs.
- Gather, analyze, and organize information in preparation for programming.
- Prepare work plans and time lines for projects and proposed systems.
- Maintain integrity of assigned systems environment.
- Instruct online users in the use of computer equipment and operating procedures.
- Supervise and train assigned staff.
- Communicate clearly and concisely, both orally and in writing.
- Establish and maintain cooperative working relationships with those contacted in the course of work.

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Experience and Training Guidelines

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Experience:

Four years of increasingly responsible experience in programming, systems analysis and database management. Experience in Oracle systems management and lead or supervisory experience preferred.

Training:

Equivalent to a Bachelor's degree from an accredited college with major course work in computer science or a related field.

WORKING CONDITIONS

Environmental Conditions:

Office environment; exposure to computer screens; extensive contact with faculty and staff.

Physical Conditions:

Essential and marginal functions may require maintaining physical condition necessary for sitting for prolonged periods of time; extensive use of computer keyboard; operating computerized equipment; reading computer and systems documentation.