

KERN COMMUNITY COLLEGE DISTRICT

CLASS TITLE: WEB DEVELOPER

BASIC FUNCTION:

Under the direction of an assigned supervisor, responsible for the analysis, design, programming, testing, support, installation and maintenance of web-based applications developed in-house and/or by a third party; responsible for integrating various systems with web applications.

REPRESENTATIVE DUTIES:

Design, develop, analyze, modify, support and debug web-based applications written in a variety of programming languages. E

Integrate various systems with existing business applications including, but not limited to, Luminis portal, student information, learning management, content management and identity and access management systems. E

Implement the technical architecture that supports the College and District web sites. E

Use various relational database management systems to design databases, produce applications and facilitate the integration of disparate systems. E

Prepare and maintain documentation related to custom applications and modifications of third party software. E

Contribute toward the development of Internet and web related policies and procedures. E

Participate on committees as an expert in the appropriate use of Internet-based technology and web sites in accordance with district wide policy and standards as well as industry best practices. E

Analyze system failures and design effective security, backup and recovery systems E.

Participate in the planning and support of hardware, software and network operations as it relates to supported applications. E

Research accessibility issues and ensure compliance with the Americans with Disabilities Act (ADA) and related regulations. E

Act as the top tier of technical support for assigned applications including interaction with third party vendor support on complex issues.

Contribute to the continuous improvement of the District's content management system.

Provide training and support for web based systems.

REPRESENTATIVE DUTIES: continued

Work closely with college staff to support and enhance their use of the portal.

Provide ongoing design and maintenance of channels based on college requirements for the portal.

Participate in the system administration duties for web-based applications as assigned.

Interact with users to help identify areas of improvement for assigned systems.

Other duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Advanced knowledge of HTML, CSS and JavaScript.

Programming languages intended for web development such as ASP, ASP.net, PHP, Java, etc.

Principles and techniques of computer programming, systems analysis, data processing and programming documentation.

JavaScript frameworks such as JQuery.

Managing and using a Content Management System

Structured Query Language (SQL).

Working knowledge of Windows Server and Unix operating systems.

Version Control Systems.

Page layout and design of web pages.

Web project management, structured design techniques, information architecture and usability as it relates to the web.

ADA law, regulations and compliance requirements

ABILITY TO:

Develop, implement and manage the college web site.

Provide assistance and technical support to faculty, staff and students in association with the web site.

Operate various software programs in the development and maintenance of the web site.

Operate various hardware equipment including scanners, digital camera, printers and others.

Work with server software.

Train users effectively.

Prepare and maintain records and files.

Work independently with little direction.

Prioritize and schedule work.

Establish and maintain cooperative and effective working relationships with others.

Communicate effectively both orally and in writing.

EDUCATION AND EXPERIENCE:

Bachelor’s degree in computer science, management information systems or related field and three years experience with web programming/development.

WORKING CONDITIONS:

ENVIRONMENT:

Office environment.

May include evenings or variable hours.

PHYSICAL DEMANDS:

Incorporated within one or more of the previously mentioned essential functions of this job description are essential physical requirements. The chart below indicates the percentage of time spent on each of the following essential physical requirements.

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|----|-------------------------------|----|--------------------------------------|
| 1. | Seldom = Less than 25 percent | 3. | Often = 51-75 percent |
| 2. | Occasional = 25-50 percent | 4. | Very Frequent = 76 percent and above |

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| <u>4</u> | a. | Ability to work at a desk, conference table or in meetings of various configurations. |
| <u>1</u> | b. | Ability to stand for extended periods of time. |
| <u>4</u> | c. | Ability to sit for extended periods of time. |
| <u>4</u> | d. | Ability to see for purposes of reading printed matter. |
| <u>4</u> | e. | Ability to hear and understand speech at normal levels. |
| <u>4</u> | f. | Ability to communicate so others will be able to clearly understand a normal conversation. |
| <u>1</u> | g. | Ability to bend and twist. |
| <u>1</u> | h. | Ability to lift <u>10</u> lbs. |
| <u>1</u> | i. | Ability to carry <u>10</u> lbs. |
| <u>4</u> | j. | Ability to operate office equipment. |
| <u>1</u> | k. | Ability to reach in all directions. |

This job description is intended to describe the general nature and level of work being performed. It is not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of individuals so classified.