Senior, Systems Programmer

Job Code 50010531

**General Description**
Perform complex technical work involving support of computer operating systems software and assist in the evaluation, selection, installation and maintenance of systems software and hardware for the University. Assist, consult, and train other systems or applications programmers. Assign team leads as necessary.

**Examples of Duties**
Design, code, test, implement, maintain, and support system and network software, according to established standards. Install and configure systems and network hardware and software. Comply with department standards, implement quality improvement activities. Oversee process for selection of development tools. Conduct detailed research on a problem, solution or customer need for issues of high complexity and large scope. Assist with development of department standards and implement quality improvement activities. Work closely with various technical professionals across the university and other technologists to understand and support software, hardware and network requirements. Evaluate the impact of patch sets and version upgrades on layered/dependent software. Maintain relevant data and metrics on own and team’s performance. Provide clear and effective documentation. Conduct benchmarking and feedback with vendors, customers, peer universities, on specific problems. Anticipate, identify, communicate, resolve or escalate problems and issues. Be able to prioritize effort based on understanding of impact across systems. Identify potential problems and opportunities and recommend solutions. Conduct full risk analysis on a task or project; plan for contingent and preventive actions. Maintain effective communications. Maintain customer and university-wide focus and awareness. Coordinate with project sponsors, steering teams, project teams, and various technologists across campus. Provide consulting services to various technologists across the university on network, server, and security issues. Provide consultation for unique or complex activities requiring significant expertise and experience. Provide project management as needed. Perform multiple, complex, self-directed tasks and activities.
Ensure compliance with license agreements; participate in capital equipment and software acquisition processes.

**Knowledge, Skills, and Abilities**

**Knowledge of:** The interrelationships of information contained in files and databases; campus computing infrastructure; companies and agencies; Texas State community; computers and networking.

**Skill in:** Preparing clear and accurate documents; team work; establishing rapport with various clients; problem solving and decision making; communication.

**Ability to:** Understanding and interpreting complex documents; exchange information and concepts; make effective presentations; communicate with junior staff and peers; define necessary tasks, resource needs, constraints and potential risks and opportunities; break down a process into increments leading to workable solutions; research, recommend, and development new tools; troubleshoot; multitask.

**Experience and Education**
To qualify for this classification, an individual must possess any combination of experience and education that would likely produce the required knowledge, skills, and abilities.

**Other Requirements**