POSITION PURPOSE

The Mid-Range Systems Programmer performs highly complex technical work on operating systems, utilities, compilers, databases, and packaged systems in a mid-range computer environment. Work requires mastery of operating system internals and systems programming tools.

NATURE AND SCOPE

The Mid-Range Systems Programmer plans and supervises all file and systems migrations, as well as interconnection protocols. Work is performed in a collaborative environment with other technical professionals.

The Mid-Range Systems Programmer is responsible for developing procedures for operations, system IPLs, emergency situations, and backup recovery; studying future trends and providing input on long-range and tactical plans.

EXAMPLE OF KEY DUTIES AND RESPONSIBILITIES

1. Plans, installs, organizes, and maintains all systems software in mid-range environment including all systems related utilities, resources, compilers, and systems management facilities.
2. Performs capacity planning analyses, recommending hardware and software configurations and changes.
3. Analyzes and corrects system failures.
4. Coordinates with management, operations, and professors of database management systems, telecommunications, and programming classes.
5. Confers with hardware and software vendors on the purchase of new applications.
6. Serves as technical resource on project teams.
7. Performs related duties as required.

EMPLOYMENT STANDARDS

Knowledge:

Knowledge of District policies and procedures
Methods and procedures of planning, installing, organizing, and maintaining all systems software in a mid-range environment
Appropriate procedures for the implementation of client/server applications
Appropriate control language (CL) for the mid-range system
RPG programming; setup and use of SQL database systems
Basic networking techniques using Novell Netware and/or Microsoft NT Server

EMPLOYMENT STANDARDS (cont'd.)

Skills and Abilities:

Demonstrate or indicate the proper utilization of the mid-range system as it may be used in the
Business Division curriculum
Excellent written and oral communication
Excellent interpersonal skills
Ability to work independently
Management and organizational skills

Education and Experience:

A.S. degree in Computer Information Systems or related field or a combination of coursework
and directly related computer programming and analysis experience
Increasingly responsible experience in mid-range systems programming preferred

Working Conditions:

Regular exposure to electrical, mechanical and/or physical factors which are generally protected
against or predictable
Ability to lift up to 70 lbs.