Class Concept
This is administrative and managerial work in directing a staff of operating systems software programmers in the development, installation, modification, tailoring, and tuning, and maintenance of systems software and related products for a large computer center that supports many, varied software products for a variety of clients. Work involves developing long-range projections based on determinations of hardware capacity and software developments that meet the applications needs and goals of applications development and clients. Work involves researching potential software or utility products with advances or innovative changes in technology that may benefit clients. Work involves the application of high level systems software expertise and technical knowledge of hardware functions to all aspects of computer operations and computer systems. Employees direct the work of operating systems software programmers in integrating vendor supplied software, debugging problems related to computer function, integrating a variety of peripheral and communication equipment with a central processor, and advising systems and programming staff in systems design as it relates to hardware ad software capability. Employees determine long-range plans for the upgrade or replacement of the various hardware and software systems. Employees participate on the management team to develop standards for system performance and functionality. This level is distinguished from the Operating Systems Software Manager I by the number and complexity of systems software products and the client needs requiring additions or changes in software products supported.

Recruitment Standards

Knowledge, Skills, and Abilities
- Thorough knowledge of the technical aspects related to the functions and capabilities of computer systems and related software.
- Thorough knowledge of the operating systems, layered products, security system, and communications system, and their interrelationships and functionality.
- Thorough knowledge of computer programming languages and techniques.
- Knowledge of the management techniques involved in resource allocation and personnel management.
- Ability to direct, design and implement projects.
- Ability to analyze software bugs and recommend or make corrective action.
- Thorough knowledge of communications and connectivity of computer systems and associated software.
- Ability to establish and maintain effective working relationships with other staff and vendor software specialists.
- Ability to communicate effectively in oral and written form with a wide range of clients and vendors.
- Ability to plan and direct the work of others.

Minimum Education and Experience
Bachelor's degree in computer science, computer engineering, or a closely related field from an appropriately accredited institution and six years of progressive experience in systems software programming including two years of supervisory or managerial work; or an equivalent combination of education and experience.

Note: This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA.