Class Concept

This is advanced technical work in the development, installation, modification and maintenance of specialized and complex computer systems software, communications software, various layered products and third party software. Work involves monitoring and fine tuning systems software, debugging and resolving technically complex problems, and planning and managing projects for new releases and versions of software. Work involves assisting analysts, programmers, and users on complex applications for the purpose of providing compatibility with existing systems software and for providing systems software design and modification as required.

Recruitment Standards

Knowledge, Skills, and Abilities
- Through knowledge of the technical aspects related to the functions and capabilities of computer systems, related operating software, third-party products and associated hardware.
- Knowledge of the operating systems and their interrelationships and functionality.
- Considerable knowledge of computer programming languages and techniques.
- Ability to analyze software bugs and make corrective action or recommend alternatives.
- Strong 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 modify complex operating software programming and make modifications.

Minimum Education and Experience

Bachelor's degree in computer science, computer engineering, or a closely related field from an appropriately accredited institution and three years of progressive experience in systems software programming; 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.