SYSTEMS PROGRAMMER (GENERAL)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent of this position supervises and performs programming activities involved in the generation of internal computer operating systems, communication systems, and other software required by state of the art computers. Incumbents also act as internal consultants on operating systems software, and are responsible for planning, organizing and making recommendations concerning the uses of the computer, operating systems and communications operating systems software as well as evaluation of software provided by independent sources. Supervision may be exercised over a number of subordinate level Programmers and Systems Analysts. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Develops and writes procedures for the installation of operating systems software for all levels of computer machinery;

Supervises the installation of operating systems software for all levels of computer machinery;

Installs and supports operating systems software;

Supervises and participates in all activities related to systems programming, research and development;

Assists in the development and enforcement of internal programming standards;

Participates in and assists in the development of training programs and may act as principal instructor in programming language courses given to Programmers and Systems Analysts covering any high or low level language;

Engages in comparative research for software or hardware acquisition, developing bid specifications for same and evaluating proposals as required;

Assists in the evaluation and hiring of Programmers and Systems Analysts.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the principles and skills unique to operating systems coding, generation, analysis and problem solving; thorough knowledge of high and low level programming languages; thorough knowledge of the principles of communications networks and related special languages; ability to communicate technical materials, both orally and in writing; ability to plan, organize, and present technical ideas clearly and concisely; tact; creativity; sound judgment; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Possession of a high school or equivalency diploma and seven years of recent programming experience (within the last ten years), one year of which the primary function must have been in systems programming and software development.

SUBSTITUTION: Satisfactory completion of 30 credits towards a Bachelor's Degree* or at a computer school accredited by the National Association of Trade and Technical Schools may be substituted for one year of the above required experience, but not for the one year of systems programming and software development experience.

NOTE: All technical experience must have been acquired within the last ten years.

NOTE: Unless otherwise noted, only experience gained after attaining the minimum education level indicated in the minimum qualifications will be considered in evaluating experience.

*SPECIAL NOTE: Education beyond the secondary level must be from an institution recognized or accredited by the Board of Regents of the New York State Education Department as a post-secondary, degree-granting institution.