<u>SENIOR PROGRAMMER</u>

<u>DISTINGUISHING FEATURES OF THE CLASS</u>: Under general supervision, an incumbent of this position develops and prepares programs for internally stored programmed computers with magnetic storage media, including the preparation of machine logic flow charts for the solution of problems through the use of electronic computers. An incumbent must be competent to work at the highest level of all technical phases of programming. Supervision may be exercised over lower level programmers. Does related work as required.

<u>EXAMPLES 0F W0RK</u>: (Illustrative 0nly)

Analyzes problems outlined by Systems Analysts in terms of detailed equipment requirements and capabilities;

Designs detailed machine-logic flow charting;

Verifies program logic by preparing test data for trial runs;

Tests and debugs programs;

Prepares instruction sheets to guide computer console operators;

Evaluates and modifies existing progams to accommodate changes in system requirements;

Translates detailed machine-logic flow chart into coded machine instructions;

Assists in determining the causes of computer operation malfunction;

Confers with technical personnel in systems analysis and application planning.

<u>REQUIRED KN0WLEDGE, SKILLS, ABILITIES AND ATTRIBUTES</u>: Thorough knowledge of high level computer languages; thorough knowledge of the operation, programming and use of electronic computers, their capabilities and limitations; knowledge of business practices, systems and forms; ability to read and interpret technical literature regarding changes in techniques and equipment; ability to impart technical knowledge to junior staff members in an on-the-job training situation; sound judgment; initiative; resourcefulness; tact; ability to think logically; stamina; physical condition commensurate with the demands of the position.

<u>MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE</u>: Possession of a High School or equivalency diploma and either: (a) Possession of a diploma from a computer school accredited by the National Association of Trade and Technical Schools and four years of recent technical experience (within the last five years) in third generation mainframe computers using magnetic storage media and high level programming language and/or fourth generation mainframe programming language; or (b) Associate's Degree* which must have included or been supplemented by a high level programming language and/or fourth generation programming language course and/or Data Processing/Computer Science Course, and four years experience as described in (a); or (c) Bachelor's Degree

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: (Cont'd.)

which must have included or been supplemented by a high level programming language and/or fourth generation mainframe programming language course and/or Data Processing/Computer Science course, and three years experience as stated above in (a); or (d) five years experience as described in (a).

*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.