SENIOR PROGRAMMER

DISTINGUISHING FEATURES OF THE CLASS: 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.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

- 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 programs 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;
- Performs related work as required.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

- 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 judgement;
- Initiative;
- Ability to think logically;
- Stamina;
- Poise;

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- Tact;
- Resourcefulness;
- Physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:**

a. Graduation from a regionally accredited or NYS registered college or one accredited by the NYS Board of Regents to grant degrees with a Bachelor’s Degree which must have included or been supplemented by a high level programming language course and/or Data Processing/Computer Science course, and three (3) 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. Graduation from a regionally accredited or NYS registered college or one accredited by the NYS Board of Regents to grant degrees with an Associate’s which must have included or been supplemented by a high level programming language course and/or Data Processing/Computer Science course and four (4) years experience as described in (a); **OR**

c. Graduation from high school or possession of a high school equivalency diploma and possession of a diploma from a computer school accredited by the National Association of Trade and Technical Schools and four (4) years experience as described in (a); **OR**

d. Graduation from high school or possession of a high school equivalency diploma and five (5) years of experience as described in (a).

**SPECIAL NOTE:** A valid NYS Driver’s License and use of personal vehicle is required at the time of appointment and for the duration of employment.

**NOTE:** This position requires light to medium weight lifting of PC’s, printers etc., and also requires the physical ability to install computer wiring as necessary.