

SENIOR SYSTEMS PROGRAMMER

Code No.: 3-18-181

COMPETITIVE

DISTINGUISHING FEATURES OF THE CLASS: This is an important senior technical position in the technical support section of data processing involving the maintenance of computer software programs and development of additional control programs as required. Employees work with operations, programmers, analysts, and users in solving problems of a technical nature. The senior systems programmer maintains installation sample system test set and tests new software using the system test set, before putting new or modified software into production. The work is performed under the general supervision of Associate Systems Programmer. Supervision is exercised over Systems Programmers. Does related work as required.

TYPICAL WORK ACTIVITIES: (All need not be performed in a given position. Other related activities may be performed although not listed.)

Tests new or modified software using sample set and analyze results;

Designs, codes, and tests special software required by installation;

Maintains up-to-date knowledge of systems software;

Analyzes production or testing problems to determine whether they are caused by systems software malfunctions; makes corrections as required;

Establishes standards for use of installation software;

Designs and implements custom software required by installation;

Documents standards for system maintenance, recovery; maintains problem log;

Fulfills administrative reporting requirements;

Prepares instructional material for system designers, programmers, and operations that describe effects and new requirements resulting from changes to systems software.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL

CHARACTERISTICS Thorough knowledge of current COBOL computer technology; good knowledge of new and modified software in relation to installation requirements; good knowledge of assembler language programming; good knowledge of programming techniques and devices; ability to plan and organize work; ability to design, code, and test special software required by installation; ability to evaluate system performance; ability to modify software systems to meet specialized needs; ability to fulfill administrative reporting requirements; ability to establish effective working relationships; accuracy; thoroughness; good judgment; health commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: EITHER:

- (A) Graduation from high school or possession of a high school equivalency diploma, plus four (4) years paid full time or its part time equivalent experience in computer operators activities two (2) years of which shall have been in programming, or, in operating systems software development; OR,
- (B) Graduation from a regionally accredited or New York State registered college with an Associate's degree in Computer Science or related field, plus two (2) years paid full time or its part time equivalent experience in programming or in operating systems software development; OR,
- (C) Graduation from a regionally accredited or New York State registered college or university with a Bachelor's degree plus three (3) years of paid full time or its part time equivalent experience in computer operations activities, two (2) years of which shall have been in programming or in operating systems software development, OR;
- (D) An equivalent combination of training and experience as defined by the limits of (A), (B), and (C) above.

SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS AND BOCES

Per Chapter 180 of the Laws of 2000, and by Regulations of the Commissioner of Education, to be employed in a position designated by a school district or BOCES as involving direct contact with students, a clearance for employment from the State Education Department is required.

ADOPTED: January 29, 1981

REVISED: April 15, 1982