SENIOR COMPUTER PROGRAMMER

GENERAL STATEMENT OF DUTIES: Acts as a team leader, coordinating and providing direction to staff in special assignments and projects. Analyzes, organizes and prepares detailed programmed instructions involving a variety of data for an electronic computer and associated microcomputers. Operates electronic computers and related peripheral equipment. Does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: These duties involve analyzing a variety of problems for adaptation and programming for an electronic computer and associated microcomputers and providing leadership for less experienced staff working on individual assignments or as part of work groups focusing on special projects. The work is concerned with the study of problems, systems analysis, flow of information and adaptation for computer use, de-bugging of new programs and type of in-put and acceptable out-put of information from the computer. The position may also involve operation, monitoring and control of the computer and related peripheral equipment. Work is performed under general direction of the Director of Information Services with considerable leeway allowed in planning programs for adaptation to the equipment.

EXAMPLES OF WORK: (Illustrative only)

- Analyzes the flow of information between the data center and the various units participating in the data processing system;
- Designs detailed programs, forms, flow charts and diagrams to adapt business or statistical type operations to electronic data processing;
- Prepares sample test data, performs actual testing and makes modifications, revisions and corrections to programs;
- De-bugs new programs to assure completion according to predetermined requirements;
- Operates an electronic computer and related peripheral equipment in compiling and processing data for a variety of statistical and financial reports;
- Consults with superiors and reports problems and deviations affecting workload and scheduling;
- Analyzes problems in terms of factors such as type and extent of information to be transferred to and from storage units, variety of items to be processed and format of final out-put;
- Integrates various functions and data bases among microcomputer operating systems and the AS/400.
- Acts as team leader, coordinating and providing direction and support to staff in special assignments and projects.

REQUIRED KNOWLEDGES, SKILLS AND ABILITIES: Thorough knowledge of electronic computer programming principles, techniques and concepts; thorough knowledge of office terminology and procedures; good knowledge of the application of county electronic data processing equipment to accounting and statistical problems; good knowledge of electronic computer and related peripheral data processing equipment operation; good knowledge of systems analysis applicable to computer programming; working knowledge of PC networks and program packages; ability to translate and adapt administrative, statistical and financial data to programs for use in a data processing operation; ability to follow moderately complex oral and written instructions and good physical condition.

SENIOR COMPUTER PROGRAMMER - Cont=d.

ACCEPTABLE TRAINING AND EXPERIENCE: Graduation from high school **AND**

EITHER: **(A)** Graduation from a regionally accredited New York State registered college with a Bachelor's Degree in computer science or related field and two years of electronic computer programming experience using RPG 400 programming language or an acceptable equivalent language.

OR **(B)** Graduation from a regionally accredited New York State registered college with an Associate Degree in computer science AND four years of electronic computer programming experience using RPG 400 programming language or an acceptable equivalent language.

OR **(C)** Any equivalent combination of experience and training.

NOTE: Programming language in use - RPG 400; Operating system and control language in use - IBM OS/400; **AND** various microcomputers using windows (all versions) and Novell Netware.

Competitive Class
Adopted 5/9/00 Personnel Officer