

City of San José

SENIOR SYSTEMS APPLICATIONS PROGRAMMER (FT) (1345)
SENIOR SYSTEMS APPLICATIONS PROGRAMMER (PT) (1346)

CLASS PURPOSE

Under general supervision, performs programming analytic work of considerable difficulty. Performs related work as required.

TYPICAL DUTIES AND RESULTS (Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)

- Develops and implements the appropriate use of PC and network operating systems technology for efficient management of information.
- Prepares, analyzes, and reviews program specifications encompassing work processes.
- Prepares and supervises preparation of detailed documentation and operating instructions of programs.
- Consults with departmental representatives on requests for data processing and programming service.
- Designs, writes, and tests new systems or programs and trains users in procedures related to new or modified systems.
- May recommend development of new computer systems or use of new computer technology.
- Prepares and supervises preparation of testing of new programs.
- May supervise and train lower level programmer analysts.
- Maintains systems software and trains others on new software releases.

DISTINGUISHING CHARACTERISTICS

Incumbents of this class are expected to analyze parts or all of relatively large and complex procedures and to develop complete, acceptable, and efficient programs for achieving the desired results without referral to higher levels of supervision.

This class differs from that of Systems Applications Programmer II in that incumbents of the latter are assigned projects which are of less scope, difficulty, and novelty, and which require less expertise and skill to accomplish. Additionally, employees in the class of Systems Applications Programmer II do not normally act as project or team leaders.

This class differs from Information Technology Analyst in that incumbents of the latter have full supervisory function in the area of computer programming and systems analytic work.

SENIOR SYSTEMS APPLICATIONS PROGRAMMER (PT) (1346)

QUALIFICATIONS

Minimum Knowledge, Skills, and Abilities

- Knowledge of principles and practices of computer systems applications programming.
- Knowledge of machine/systems capabilities, program documentation, and citywide corporate database.
- Knowledge of PC and network operating systems and their integration into total software solutions.
- Knowledge of internet technology.
- Knowledge of and ability to use graphic user interface technology or application development tools.
- Knowledge of and ability to develop and implement client/server technology.
- Knowledge of and ability to implement wireless communication technology.
- Ability to write programs encompassing a total function.
- Ability to analyze data and procedures and develop logical conclusions.
- Ability to express oneself clearly both orally and in writing.

Competency Knowledge, Skills, and Abilities

- Knowledge of organizational functions.
- Knowledge of principles and practices of supervision and training.
- Ability to establish and maintain effective working relations with others.
- Ability to lead others in work.
- Ability to use computer programs involved in the performance of job functions.

Education

A Baccalaureate Degree from an accredited college or university in Business Administration, Public Administration, Computer Technology, or a closely related field.

Experience

Three years of increasingly progressive experience in computer systems applications programming.

Acceptable Substitutions

Additional years of directly related work experience may be substituted for up to a maximum of two years of the educational requirement on a year-for-year basis.

(11/96), (Rev. 8/97)

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Formerly 1353 & 1349; Formerly Senior Programmer Analyst (Rev. 1996)