



**CITY OF LONG BEACH  
CLASSIFICATION SPECIFICATION**

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**TITLE:                   SYSTEMS PROGRAMMER I - IV**

**DEFINITION:** Under supervision, installs and maintains systems software programs including operating systems, data base systems, teleprocessing interfaces, and program products.

**REPORTS TO:**       Varies

**DISTINGUISHING CHARACTERISTICS:**

- Grade Level I   - Installs and maintains the least complex systems software such as program products, operating systems, data base systems, and communications products.
- Grade Level II   - Installs and maintains more complex systems software.
- Grade Level III   - Develops project plans for implementation of complex systems software encompassing all areas of systems support.
- Grade Level IV   - Supervises subordinate staff and performs data base administration.

**EXAMPLES OF DUTIES:**

- Installs, maintains and integrates operating system software for computer processors;
- Installs and maintains data base/data communications systems;
- Defines backup and recovery procedures for all data bases and systems software products;
- Works with programming personnel in the integration of new applications into established environment;
- Diagnoses and corrects problems in systems software programs, or coordinates resolution through vendor where necessary;
- Monitors performance and capacity planning data for computer processors;
- Analyzes and recommends vendor supplies software packages;
- Installs and maintains telecommunications software;
- May direct performance and capacity planning efforts to ensure optimal system throughput;
- May assist in budget preparation;
- May select, train, evaluate, and discipline assigned personnel;
- Performs other related duties as required.

**MINIMUM REQUIREMENTS:**

Education equivalent to graduation from a four-year college or university with major course work in computer science, business administration, mathematics or closely-related field, and a minimum of two years of recent experience in systems design and/or

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programming in an installation using medium to large IBM or IBM compatible computers within a data base/data communications environment.

OR

Education equivalent to a two-year degree in computer science, business administration, mathematics, or related field, and a minimum of two years of experience as a Programmer Analyst, Communications Network Specialist, or a Computer Operator.

Additional related experience may be substituted for the education on a year-for-year basis.

Additional specific requirements are necessary for each position within the classification and may include one or all of the following areas:

1. Recent experience in the installation and maintenance of systems computer software in IBM 390 operating MVS/ESA with IMS/ESA and/or CICS/ESA.
2. Experience in other IBM or IBM compatible mainframes and other IBM platform-operating systems.

Ability to pass a security investigation.

**HISTORY:**

Established 07/01/75, Grade Levels IV -V added 07/05/80, Grade Level III deleted and Grade Levels re-titled 07/01/91, revised 10/91.

Approval/Adoption Dates: 10/11/91 - Human Resources Department  
10/30/91 - Civil Service Commission