



Programmer I

Salary Group: B19

Class Code: 0241

<u>CLASS TITLE</u>	<u>CLASS CODE</u>	<u>SALARY GROUP</u>	<u>SALARY RANGE</u>
PROGRAMMER I	0241	B19	\$42,244 - \$68,960
PROGRAMMER II	0242	B21	\$48,278 - \$78,953
PROGRAMMER III	0243	B23	\$55,184 - \$90,393
PROGRAMMER IV	0244	B25	\$63,104 - \$103,491
PROGRAMMER V	0245	B27	\$76,356 - \$129,137
PROGRAMMER VI	0246	B28	\$83,991 - \$142,052

GENERAL DESCRIPTION

Performs routine to moderately complex (journey-level) computer programming work. Work involves analyzing system specifications to develop software for computer applications; developing solution software; documenting the methods and procedures used in software development; and testing, correcting, and revising software. Works under general supervision, with limited latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Analyzes users' needs; designs, tests, and develops software to meet those needs.

Develops routine code and debugs software.

Analyzes proposed applications for equipment requirements and capabilities.

Analyzes, reviews, and revises software to increase operating efficiency or to adapt to new procedures.

Compiles and documents procedures used throughout software development and revision.

Prepares detailed workflow charts and diagrams that describe input, output, and logical operation and converts them into a series of instructions coded in a programming language.

Assists in performing research and the analysis required for project proposals, software and systems modifications, and new projects.

Assists in developing requirements and capabilities for proposed applications.

Assists in analyzing software problems and developing solutions.

Performs related work as assigned.

GENERAL QUALIFICATION GUIDELINES

EXPERIENCE AND EDUCATION

Experience in computer programming work. Graduation from an accredited four-year college or university with major coursework in data processing, computer science, business, or a related field is generally preferred. Experience and education may be substituted for one another.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of the principles, practices, and techniques of programming and systems analysis; of computer operations procedures and systems; and of computer programming languages.

Skill in problem solving, in critical thinking, in computer programming, in the use of hardware and software, and in modifying or developing software for applications.

Ability to process information logically; to design programs and systems logic; to prepare program specifications; to code, test, and debug software; to interpret technical information related to programming and other areas of data processing; and to communicate effectively.