

WASHINGTON STATE DEPARTMENT OF PERSONNEL
Class Code: 03294
Specification for Class of

INFORMATION TECHNOLOGY APPLICATIONS SPECIALIST 4

Abolished Effective June 1, 2005

Definition: Performs or leads analysis, consulting, design, programming, maintenance, and/or support for major applications, support products, projects, multi-functional databases or database management systems that impact multiple business units or functions.

Distinguishing Characteristics: This is the senior professional level. Incumbents are independently responsible for multiple applications of moderate size/complexity or a large, major application that is vital to program delivery. Staff at this level have advanced technical skill (e.g. a high degree of expertise in business consulting or modular component software construction, or an understanding of database technology on several platforms). Incumbents understand the business from the perspective of a senior business person and are conversant in the customer's business language. They have an awareness of impact across business units but not necessarily the entire agency. The focus and responsibility of this level is usually system specific, not agency-wide. Incumbents serve as a technical mentor and coach to others. Staff at this level often serve as a project leader. May supervise others.

Incumbents typically perform the level of work described below a majority of the time. The work described below is not intended to be all inclusive but representative of the level of duties/responsibilities carried out by this job class:

Develops specifications and codes, tests, and implements specifications for major, complex applications; documents;

Supports, maintains and enhances existing large, major applications;

Plans/facilitates application interfaces and application integration; develops complex interfaces for data exchange among diverse transactional applications;

As a project leader of a major project, develops project plan, sets and maintains project schedule, coordinates design/maintenance and testing, assigns and leads staff, ensures standards are met (quality assurance), develops and implements communication strategy, manages budget;

Analyzes and resolves complex problems; assists others in debugging problems with vendor products; develops work-arounds; consults with senior technical staff to resolve complex technical problems;

Researches issues related to environment, platforms, software and hardware requirements; research and analysis may result in application of new technology requiring new application training;

Plans, analyzes, and develops application requirements; develops alternative solutions and makes recommendations; facilitates application approval process;

Analyzes business needs, develops requests for proposals, feasibility studies, decision packages, etc. for medium and large projects/issues;

Performs data analysis; develops and maintains logical data models; maintains data repository, including design and development of applications for maintaining and reviewing repository information.; trains and assists staff in use of repository;

Designs and implements physical databases from logical models; requests disk space; develops load procedures and prepares data for loading; monitors database management system and application performance, analyzes and documents performance problems, implements performance improvements and backup processes, and performs recovery as needed; may assist in the testing of disaster recovery process; tests and evaluates software packages; provides required security accesses; designs, develops, and maintains common modules of a database management system; uses utilities;

Designs/develops formal training classes; trains large groups of users; trains other technical staff;

Consults with and makes presentations to all levels of management and other senior technical staff;

Minimum Qualifications

A Bachelor's degree including 9 semester or 15 quarter hours of computer science courses and three years of analyzing, designing, or programming computer systems applications or databases.

OR

An Associate's degree or completion of an accredited vocational training program in an information technology or related program and four years of experience analyzing, designing, or programming computer systems applications or databases.

OR

One year as an Information Technology Applications Specialist 3 or equivalent.

Experience analyzing, designing, or programming computer systems applications or databases will substitute for education on the basis of one year of experience for two years of education.

A Master's degree will substitute for one year of experience except for the specified Information Technology Applications Specialist 3 requirement.

New class: effective 7-1-99; replaces CA/P 5 03570; CSS 2 03610;
CTS 2 03650