



# Engineering Specialist II

Salary Group: B18

Class Code: 2128

| <u>CLASS TITLE</u>               | <u>CLASS CODE</u> | <u>SALARY GROUP</u> | <u>SALARY RANGE</u>        |
|----------------------------------|-------------------|---------------------|----------------------------|
| ENGINEERING SPECIALIST I         | 2127              | B17                 | \$36,976 - \$58,399        |
| <b>ENGINEERING SPECIALIST II</b> | <b>2128</b>       | <b>B18</b>          | <b>\$39,521 - \$64,449</b> |
| ENGINEERING SPECIALIST III       | 2129              | B19                 | \$42,244 - \$68,960        |
| ENGINEERING SPECIALIST IV        | 2130              | B20                 | \$45,158 - \$73,788        |
| ENGINEERING SPECIALIST V         | 2131              | B21                 | \$48,278 - \$78,953        |
| ENGINEERING SPECIALIST VI        | 2132              | B22                 | \$51,614 - \$84,479        |

## GENERAL DESCRIPTION

Performs moderately complex (journey-level) engineering work. Work involves conducting inspections, fieldwork, data collection and validation, and materials research and testing; planning and design functions; construction or fabrication work; and assessment and modeling work. Works under general supervision, with limited latitude for the use of initiative and independent judgment.

## EXAMPLES OF WORK PERFORMED

Performs engineering or environmental assessments, modeling, and monitoring.

Performs detailed design work on structures, roads, equipment, and machinery.

Prepares plans, specifications, estimates, reports, and related documents for compliance with laws and standards; and makes recommendations for improvements.

Conducts engineering fieldwork, such as surveying, inspecting, drafting, and design.

Conducts material research and testing activities.

Collects and samples field data for engineering and environmental projects, and analyzes and validates data.

Calculates geometric, hydraulic, grade, and quantity estimates.

Compiles, reviews, and validates ambient air and water quality data; and summarizes and reports ambient air and water quality data to staff and external customers.

Inspects the work of contractors and operators for compliance with laws and specifications.

Assists with preparing correspondence and technical reports.

Assists in performing inspections.

May provide technical guidance on the evaluation of data, coordination of research, analysis of issues, and preparation of reports and recommendations.

May plan, construct, or fabricate structures, supports, or housings to accommodate specialized equipment.

May assist with evaluating data and conducting research to analyze environmental issues.

May assist with the development of new or refined techniques, procedures, processes, and/or scientific methods.

May assist with planning and assigning work projects.

Performs related work as assigned.

## **GENERAL QUALIFICATION GUIDELINES**

### **EXPERIENCE AND EDUCATION**

Experience in engineering work. Graduation from an accredited four-year college or university with major coursework in engineering, natural resources, mathematics, or a related field is generally preferred. Experience and education may be substituted for one another.

### **KNOWLEDGE, SKILLS, AND ABILITIES**

Knowledge of engineering and data analysis techniques and theories.

Skill in the use of computers and computer-aided design equipment and in the use and maintenance of scientific instruments.

Ability to apply engineering concepts, to conduct inspections, to perform maintenance activities, to perform design work, to perform construction or fabrication work, to operate specialized equipment, to organize and analyze data, and to communicate effectively.