

**The University of British Columbia
STANDARD JOB DESCRIPTION**

Job Title: Engineering Technician 3

Level Definition:

Positions at this level are fully qualified working level engineering technicians providing technical support associated with the design, development and maintenance of experimental equipment, instrumentation and systems in various fields of engineering technology such as mechanical, woodworking, electronic, optical, electromechanical, glassblowing, vacuum, electrical; work at this level requires in-depth skills in field of technology and a comprehensive technical knowledge and capability.

Typical Duties:

Guided by outlines and practices, independently carries out a variety of assignments within the field of engineering technology requiring the use of standard and non-standard procedures and application of prescribed techniques.

Consults with originators and contributes to the design of experimental equipment, instrumentation and systems including selection and ordering for appropriate components, parts and materials.

Plans and performs a variety of machine, bench assembly and testing work using both standard and non-standard shop and precision measuring equipment and tools.

Prepares working drawings and specifications for components and devices including layout, design, fabrication details and techniques and methods to be employed.

Constructs, assembles, installs, maintains and operates experimental or specialized devices and systems; diagnoses the fault of equipment and carries out necessary repair or modification.

Demonstrates and instructs users in the usage and operation of equipment and instrumentation.

May be required to supervise the work of other personnel.

Responsible for implementing and maintaining safety requirements as delegated.

Carries out any other related duties as required in keeping with the qualifications and requirements of positions in this classification.

Decision Making/Accountability:

Exercises a considerable amount of judgment, responsibility and initiative in determining work procedures and methods.

Supervision Received:

Works usually under direction following standard procedures and techniques for maintenance and operational work and from general outlines and instructions provided for design and development work; selects appropriate methods and develops individual own work plans.

Supervision Exercised:

Demonstrates to users the function and correct usage of equipment and shop tools; may check and co-ordinate the work of junior level technicians.

Minimum Qualifications:

Graduation from a technical college or institute or completion of a recognized apprenticeship and a minimum three years of related experience or an equivalent combination of education and experience.

Specific “abilities”, “knowledge” and “experience” required for the position are outlined in the position description.

This standard Job Description is for classification purposes only, and is not a position description. Standard Job Description qualifications represent the amount of education and experience typically required for full performance on the job, and is outlined for classification and compensation purposes. Note that specific “abilities”, “knowledge” and “experience” required for the job should be outlined in the position description and posting, but are not specified in the Standard Job Description.