

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

Job Title: Research Assistant/Technician 5

Level Definition:

Positions at this level perform highly skilled technical tasks requiring extensive education, training and experience, are often considered experts in their field and through independent means are expected to keep abreast of techniques and developments in their area of expertise.

Typical Duties:

Develops new specialized techniques that become industry/discipline standards employed nationwide.

Researches, designs and analyzes the results of novel experiments.

Makes development proposals for follow up experimentation as a result of performing and interpreting the results of complex technical procedures.

Provides complex analysis of samples as part of a facility that provides an external service, using state of the art instruments with many cutting edge technologies.

Acts as a consultant to external research facilities, to provide technical advice and/or complex analysis of research data some of which leads to joint authorship of scientific papers.

Collaborates with others, internally and externally, in the development of new techniques and conducting joint experiments.

Supervises research projects of graduate students, post doctoral fellows and visiting scientists that relate to area of technical expertise, advising on the design of experiments, the development and revision of research protocols and providing guidance to the interpretation and analysis of research.

Provides technical consultation, advice and instruction to faculty members, researchers, and graduate and post doctoral students in the appropriate use, selection and modification of specialized techniques in area of expertise.

Liaises with other technical experts and may be called upon to provide advice in field of expertise.

Contributes to leading edge reports; writes ethics and grant applications.

Reviews papers and/or new protocols and provides comment in area of expertise at the request of outside sources.

May oversee the technical functioning of a lab engaged in complex research.

May attend scientific meetings and present posters and papers.

Keeps abreast of techniques and development in field of expertise.

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

Decision Making/Accountability:

Wide latitude for exercising independent initiative and judgment in the performance of specialized duties and responsibilities.

Supervision Received:

Works independently under administrative direction.

Supervision Exercised:

May be required to provide direction to other staff members; oversees the academic work of and demonstrates techniques to students as required.

Minimum Qualifications:

University degree in relevant discipline or completion of a technical program and a minimum five years of related experience or an equivalent combination of education and experience. Some positions may require a graduate degree.

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.