



## Senior Biological Sciences Technologist (Formerly Biological Sciences Technician I)

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### **DEFINITION**

This is supervisory and/or highly specialized interpretive/technical work involved in the implementation and development of various departmental biological sciences programs and services.

Employees of this class monitor field, laboratory and services or program procedures; identify servicing problems; oversee control measures and provide supervision in facility, field and laboratory settings. Work assignments can involve collaborative strategic planning at multiple levels of government and includes considerable interdepartmental/public contact in the explanation of service rendered and/or the promotion of displays and programs. The work is performed under general supervision and is reviewed by supervisors through consultation, discussion and observation of field work.

This class is distinguished from the Biological Sciences Technologist level in that employees may be considered subject matter experts, and are engaged with a broader level of external stakeholders as representatives of the City of Edmonton. They exercise greater scientific observation and control of methodology testing; provide supervision/leadership; exercise more initiative and imagination in the performance of duties and ensure the proper presentation and dissemination of information to the general public, facility users and others.

### **TYPICAL DUTIES** \*

Supervises subordinates in the performance of a broad range of program duties.

Develop, recommend and implement new or amended work schedules, standards and plans.

Responsible for ongoing safety practices, standard operating procedures as per corporate and provincial requirements.

Implements various scientific methodologies and control procedures in field, laboratory and presentational settings.

Monitors and participates in the completion of programs and facility services.

Participates / leads collaborative projects with other agencies, municipalities, academic institutions.

Completes taxonomy of species in the specific area of specialization.

Oversees the testing of numerous chemicals in civic pest abatement programs.

Gives advice to the general public on the correction of problems encountered with pest species.

Provides scientific analysis and responds to inquiries from council, senior management, external stakeholders including public interest groups.

Conducts research through various scientific resources and consults with external technical experts in the development of strategies/recommendations of programs to respond to findings.

Reviews technical content of material prepared for brochures, pamphlets, etc.



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Leads / oversees the organization and cataloguing of inventories, collections, displays for instructions or record keeping purposes.

Performs related work as required.

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

Significant knowledge of scientific methodology, material and practices within the specific area of specialty (i.e. zoology, entomology, botany, environmental sciences).

Significant knowledge of techniques of control and growth of species related to the work assigned.

Significant knowledge of related legislation, regulations associated with scope of work.

Knowledge of current literature, trends and developments.

Knowledge and skill in a variety of computer software programs.

Extensive skill and ability to express ideas effectively, orally and in writing.

Ability to meet and deal effectively with the public, facility users, civic personnel and others.

Skill in the planning and presentation of nature/scientific programs and information.

Positions that supervise, must have knowledge of and skill in supervising and leading work of others.

### **TRAINING AND EXPERIENCE REQUIREMENTS**

#### Job Level

University graduation in the biological sciences with major course work in a particular area of specialization and a minimum of four (4) years' related experience of which two (2) years are in a supervisory capacity. Applicant(s) must possess a valid Alberta driver's license.

-or-

A completion of a two (2) year diploma in biological sciences or educational equivalent and a minimum of six (6) years' experience of which two (2) years are in a supervisor capacity. Applicant(s) must possess a valid Alberta driver's license.

\* *This is a class specification and not an individualized job description. A class specification represents and defines the general character, scope of duties and responsibilities of all positions within a specific job classification. It is not intended to describe nor does it necessarily list the essential job functions for a specific position in a classification. Positions may perform some of the duties listed above but this does not necessarily qualify for placement into this classification.*

SENIOR\_BIOLOGICAL\_SCIENCES\_TECHNOLOGIST\_ACTIVE

Salary Plan	<u>21M</u>	<u>21A</u>	<u>21B</u>	<u>21C</u>
Job Code	0754		0755	
Grade	022		024	

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