

## Are you looking for a demanding, yet rewarding career in Biomedical Engineering?

Reporting to the Supervisor or designate, the **Biomedical Engineering Technologist - Radiology Service** inspects, tests, maintains, and performs difficult repairs on biomedical equipment pertaining to various designated areas of the hospital and specialized complex diagnostic high voltage and/or radiation-emitting medical imaging equipment such as Computed Tomography (CT), Magnetic Resonance Imaging (MRI), angiography, and nuclear medicine systems.

Utilizes advanced Biomedical Engineering theory and knowledge to provide technical support, guidance, and education to colleagues and clinical staff as required. Reviews, tracks and makes recommendations on risk mitigation and quality control activities related to high voltage and/or radiation-emitting medical imaging equipment.

Travels to any Island Health worksite as required for the position, and travels to local, national and international locations when identified by the Employer to undertake training. Participates in employer-approved training opportunities and provides mentorship and training of First Tier Biomedical Engineering Technologists - Radiology Service, to help them build skills, knowledge and experience in the diagnosis, repair and maintenance of high voltage, complex radiology equipment.

### Education, Training and Experience

Graduation from a recognized program in Biomedical Engineering Technology is required, plus a minimum of four (4) years recent, related technical experience spent in the field of Biomedical Engineering on the maintenance/repair of medical technology, with a minimum 2 years (full time equivalent) spent on the maintenance/repair of radiology equipment (including relevant vendor-provided training), or an equivalent combination of education, training, and experience may be considered.

Certification with the Applied Science Technologists and Technicians of British Columbia as an Applied Science Technologist.

Valid BC Drivers license and access to a personal vehicle to travel with tools and equipment for work purposes.

### Skills and Abilities

- Comprehensive knowledge of the operating and maintenance practices and procedures for a wide range of medical technology, radiology equipment and complex high-voltage and/or radiation-emitting diagnostic and interventional equipment such as MRI, CT, Nuclear Medicine and Angiography equipment.
- Physical ability to carry out the duties of the position.
- Ability to operate related test equipment and tools.
- Ability to organize work.
- Demonstrated ability to collaborate in a team environment, and deal courteously with others in stressful situations.
- Ability to communicate effectively both verbally and in writing.
- Current computer troubleshooting and networking knowledge and proven ability to repair and resolve problems with complex medical technology.
- Ability to interpret system diagrams and schematics found in the service manuals of complex medical technology.
- Proficient knowledge in radiation safety, high voltage hazards and mechanical structures typically found in the repair/maintenance of radiology equipment.
- Demonstrated ability to work independently when servicing biomedical equipment and to address issues with analytical reasoning and problem solving skills.
- Demonstrated ability to develop educational materials and teach, coach and deal with others effectively in a supportive and positive manner.

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Full Job Description online <https://jd.viha.ca/JD4608.pdf>

Contact our Island Health recruiters at [TalentAcquisition@viha.ca](mailto:TalentAcquisition@viha.ca) regarding [Requisition #140278](#) to learn more.

*Excellent health and care for everyone, everywhere, every time*

[www.islandhealth.ca/careers](http://www.islandhealth.ca/careers)

