

Job title: Technologist, Physics

About Ryerson

At the intersection of mind and action, Ryerson is on a transformative path to becoming Canada's leading comprehensive innovation university. Integral to this path is the placement of equity, diversity and inclusion as fundamental to our institutional culture. Our current [academic plan](#) outlines each as core values and we work to embed them in all that we do.

Ryerson University welcomes those who have demonstrated a commitment to upholding the values of equity, diversity, and inclusion and will assist us to expand our capacity for diversity in the broadest sense. In addition, to correct the conditions of disadvantage in employment in Canada, we encourage applications from members of groups that have been historically disadvantaged and marginalized, including First Nations, Metis and Inuit peoples, Indigenous peoples of North America, racialized persons, persons with disabilities, and those who identify as women and/or 2SLGBTQ+. Please note that all qualified candidates are encouraged to apply; however, applications from Canadians and permanent residents will be given priority.

As an employer, we're working towards a people first culture and we're proud to have been selected as one of [Canada's Best Diversity Employers](#) and one of [Greater Toronto's Top Employer](#) for 2015, 2016, 2017 and 2018. To learn more about our work environment and innovative educational environment, visit <http://www.ryerson.ca>, check out [@RyersonU](#), [@RyersonHR](#), and [@RyersonECI](#) on Twitter, and visit [our LinkedIn company page](#).

About the Department of Physics, Faculty of Science

The **Faculty of Science (FOS)** is a powerhouse of leading-edge applied research and education located in the heart of Downtown Toronto. We deliver high-quality education that produces workforce-ready graduates and we conduct vital research that improves the quality of lives around the globe. FOS is committed to interdisciplinary teaching and research across our four departments - physics, chemistry and biology, computer science, and mathematics. To learn more, visit www.ryerson.ca/science/, Twitter: [@RyersonSci](#) and Instagram: [@ryersonsci](#).

The **Department of Physics** is known for expertise in researching the intersection of physics and medicine. We're also expanding the use of physics tools to solve problems within interconnected, complex systems across a broad range of sectors. Our students enjoy deepening their knowledge and skills in our active, hands-on learning environment. It's rich in research, with numerous professional collaborations and a strong spirit of innovation. To learn more, visit www.ryerson.ca/physics/.

The Faculty of Science especially welcomes applications from individuals who self identify as women, Black, Indigenous or a racialized person, who will be integral towards serving our highly diverse student population. If you identify in one of the former groups, we encourage you to self-identify in your cover letter. This is truly an exciting time to join our Faculty as we embark on our strategic planning guided by the values of equity, diversity and inclusion and with a firm belief that diversity is our strength. We are building a culture of recognizing and celebrating diversity and welcome you to join us as we define a new paradigm of success for us in the world of science.

The Opportunity

We are looking for an experienced **Technologist** in the Department of Physics. The Technologist provides technical support to the Physics undergraduate and graduate teaching laboratories in order to promote the educational and research objectives of the undergraduate and graduate program. The role provides technical assistance to faculty and students in their research, projects and assignments; and maintaining equipment including experimental apparatus and computers within the laboratories. Provides electronics and computer support for the academic activities of the department. They also assist the Senior Technical Officer with the maintenance of the laboratories. The position directly reports to the Chair of the Department of Physics and is assigned duties by the Senior Technical Officer.

Responsibilities:

- Assists in maintaining the day-to-day operation of teaching laboratories and provides technical support and assistance.
- Sets up and takes down all experimental apparatus in Physics labs.
- Ensures laboratories and related equipment are operating safely and efficiently.
- Tests, calibrates and performs preventative maintenance, installs, troubleshoots, repairs, redesigns, inspects equipment and instruments to meet operational needs.
- Provides technical advice and assistance in developing new laboratory experiments, research, and/or thesis projects.
- Assists in designing, fabricating and producing prototypes of experimental apparatus.
- Forecasts equipment needs and recommends purchasing or building equipment and assists with purchasing.
- Updates and maintains safety and operation user guides and instructional manuals.
- Assists with scheduling experiments.
- Plans improvements to existing equipment and experiments.
- Provides technical support to faculty and students conducting research projects.
- Acts as lab demonstrator on the use of equipment and instrumentations.
- Assists in maintaining records and documents related to the laboratory.
- Supports the setup and maintenance of the computational infrastructure in the teaching labs and of faculty computers, such as network security, data backup, and hardware and software maintenance and support.
- Aids faculty in the configuration and procurement of teaching and research related computational infrastructure.
- Other related duties as assigned.

Work Location:

This role is expected to have regular visits to the Department of Physics, while Ryerson is operating on an [essential services model due to COVID-19](#), until further notice. At that point, the role will then be required to work entirely on campus.

Qualifications

- Successful completion of a post-secondary degree program or 4 years of specialized training in Physics required to acquire understanding of physical concepts, equipment, techniques at the undergraduate level. Masters (MSc) in Physics is preferred.
- Minimum of three (3) years of experience working in a science lab to gain skills in design, repair, installation and maintenance of laboratory equipment and instruments. Knowledgeable in networking concepts, troubleshooting and design; and understanding of safety principles in a laboratory environment.
- An equivalent combination of education and experience may be considered.
- Knowledge of Physics undergraduate and graduate teaching labs and the latest scientific and computational technologies in order to provide support to students and faculty.
- Demonstrated ability to use hand-held tools and familiar with installation.
- Proficient in troubleshooting and configuration of various operating systems e.g. Windows and MAC and networking concepts.
- Proficiency in Google Suite (Gmail, Drive, Calendar, Docs, Sheets, etc), MS Office, Windows, MAC and Unix based operating systems.
- Working knowledge of MATLAB, and Vernier and Spectrum Tech softwares is an asset.
- Working knowledge of health and safety principles and standards in a laboratory setting.
- Strong time management skills and ability to prioritize and meet multiple conflicting deadlines.
- Strong interpersonal and relationship management skills and ability to engage and provide excellent client service with students, faculty, staff and external stakeholders.
- Excellent written and verbal communication skills.

Additional Notes

The Perks

There is something for everyone! Employees are eligible for many benefits, services and discounts that Ryerson has to offer:

- [Mid-year break](#) that provides two weeks of paid time off in addition to your vacation.
- [Group benefits](#) including health and dental, employee and family assistance program (EFAP) and more!
- [Tuition waiver](#) for eligible employees and their spouse and/or dependent(s) and [Tuition Rebate](#) for eligible employees.
- [Ryerson Retirement Plan \(RRPP\)](#): A defined benefit pension plan.
- Access to the Ryerson [medical centre](#) directly on campus.
- [And many more!](#)

Position Number(s)	10002537
Reports To	Chair, Department of Physics
Vacancy Type	FTCE
Employee Group	OPSEU
Start Date	ASAP
End Date	N/A
Hours of Work	36.25
Grade and Step	13
Salary Scale	\$74,778.39 - \$94,727.02 (Hiring Salary: \$74,778.39 - \$81,712.37)
HR Advisor	Michelle Gomes, michelle.gomes@ryerson.ca
Deadline Date	March 18, 2021

- Applicants who do not meet all of the posted qualifications may, upon the University's sole discretion, be considered to fill a vacancy on an underfill basis.

We encourage all First Nations, Metis and Inuit peoples or Indigenous peoples of North America, to self-identify in their applications and also reach out to Tracey King, Aboriginal HR Consultant for support during the selection process.

As part of the selection process, candidates may be required to complete an occupational assessment.

Applications will only be accepted online through [Ryerson's careersite](#).

Please watch a message from Ryerson's Vice President, Equity and Community Inclusion for more information on our commitment to equity.

<Video by ECI>

Important Notice Re: Job Postings during COVID-19

While we are committed to ensuring the best possible experience for all applicants, due to the situation regarding COVID-19, please be advised that Ryerson University ("Ryerson") reserves the right to pause a job competition at any stage in the process. Applicants will be notified in the event that the job competition process in which they are participating is suspended or paused.

We appreciate your understanding during these unprecedented times. Thank you for your interest in Ryerson University.