

Director, Research and Education Support

About McMaster University

Ranked as one of the world's top 80 universities, McMaster University is known for teaching and research excellence. Our purpose is the discovery, communication, and preservation of knowledge. We seek to create a Brighter World through research focused on the health and well-being of all. Through our teaching, research, and scholarship, we are committed to creativity, innovation, and excellence. We value integrity, quality, inclusiveness, and teamwork in everything we do. We inspire critical thinking, personal growth, and a passion for lifelong learning. We serve the social, cultural, and economic needs of our community and our society.

Canada's Nuclear University

McMaster University is the nation's preeminent nuclear research institution. It's home to a unique suite of world-class research facilities anchored by the McMaster Nuclear Reactor – a multipurpose research reactor that provides neutrons for medical isotope production and scientific research. The University's accelerator and high-level labs, combined with hotcell, cyclotron, neutron scattering and positron beam facilities, allow researchers and industry partners – at home and abroad – to advance R&D in nuclear technologies and health, environment, and materials research. These facilities are critical to the advancement of Canada's nuclear industry – providing the training ground for the next generation of leaders and driving national programs in nuclear engineering and small modular reactor development, materials science and medical isotope research.

New Leadership Opportunity

McMaster is seeking a **Director, Research and Education Support** to expand the research and education profile of its nuclear facilities and capabilities, attract government support and develop national and international academic and industry partnerships and collaborations.

The Director will be a key asset and thought leader in creating, maintaining and implementing the institutional nuclear strategy, ensuring the optimal deployment of existing nuclear facilities and assets in support of the research and education mission of the University and planning and securing new facilities and upgrades to ensure the nuclear enterprise is positioned for the future.

This new leadership role offers tremendous opportunity for growth and the autonomy to shape the portfolio, while building strong connections to McMaster's academic and research community. The incumbent will be part of an inclusive and collaborative working environment that encourages innovation, creativity, and curiosity.

Core Accountabilities

In a collaborative team environment, which embraces the values of integrity, teamwork, and inclusivity, the Director will serve as an organizational leader and is expected to:

- **Research**
 - Develop and critically evaluate concepts and formats for new nuclear research programs to capitalize on McMaster's suite of nuclear facilities and equipment.
 - Develop, design, implement and maintain mechanisms to build a strong User Community and ensure strong two-way communication, consultation and engagement with researchers.
 - Recruit interdisciplinary academic partners from McMaster and other institutions (local, national, and international).

- **Education & Outreach**
 - Increase the integration of the nuclear facilities into the teaching portfolios of the Faculties of Science, Engineering, Humanities, Health Sciences and others where appropriate and tenable.
 - Investigate opportunities to support nuclear and radiation-based education at McMaster University and other institutions, including course development, increased access to scientific/lab equipment, experiential learning, etc.
 - Oversee Nuclear Operations & Facilities' (NOF) social media and web presence, including strategic prioritization of communications to ensure consistent messaging that aligns with NOF's key philosophies and objectives.

- **Support Strategic Planning**
 - Establish frameworks to support the delivery of strategic projects, including initial analysis for proposal definition, collaboration and occasional leadership of cross-functional teams, providing updates and timely execution of deliverables.
 - Monitor and coordinate research studies and knowledge translation activities in order to assess the need for and to implement strategies to ensure the conduct of quality research, the achievement of expected timelines and deliverables, and the efficient use of human and practical resources.

- **Operations**
 - Responsible for the staffing, budgeting, licensing, safe and effective operations, and maintenance of the University's Class II Nuclear Facilities (McMaster University Cyclotron Facility, McMaster Accelerator Laboratory and Taylor Radiology Facility).
 - Ensure safe, effective and compliant operation of highly specialized infrastructure in a complex regulatory environment.

- **People Leadership**
 - Lead and provide supervision for 20 managers, scientific and technical staff through positive influence.
 - Lead with thoughtful consideration and dialogue on inclusive ways of creating a psychologically safe and healthy work environment.
 - Foster outstanding teamwork and motivation and provide strong leadership to the team while creating an inclusive and respectful work environment.

Are you the right candidate?

This role requires **a minimum of five years of managing a complex research and educational program** in a related area and/or managing the provision of support to research programs in a nuclear environment. The ideal candidate will have a PhD in nuclear science, nuclear engineering, radiation physics or related area, as well as the following qualifications:

- A proven leader with demonstrated experience achieving positive results managing teams of experts and complex projects in a nuclear environment.
- Superior leadership competencies and strong communication skills – proven ability to develop collaborative relationships with a diverse group of constituents.
- Highly collaborative with proven skills to consistently build effective relationships with research, industry and administrative partners.
- Experience with strategic and operational planning.
- Experience with large scale grant and research contract proposal management.
- Proven ability to represent a multi-dimensional research program externally and internally in a variety of technical and non-technical settings.
- Experience in managing a scientific advisory board an asset.
- University teaching experience in nuclear sciences and engineering is an asset.
- Experience as a facility manager of a nuclear facility is an asset.

Important Considerations

- The position requires extensive travel domestically and internationally (minimum of 1 month/annum) to meet with regulators, international customers and industry colleagues.
- The position requires frequent on-call duties and membership on the University's nuclear facilities emergency response team.

Employment Equity Statement

McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and within the lands protected by the "Dish With One Spoon" wampum agreement.

The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity.

The University seeks qualified candidates who share our commitment to equity and inclusion, who will contribute to the diversification of ideas and perspectives, and especially welcomes applications from indigenous (First Nations, Métis or Inuit) peoples, members of racialized communities, persons with disabilities, women, and persons who identify as 2SLGBTQ+.

Apply Online

To apply, visit <https://hr.mcmaster.ca/careers/current-opportunities> and search for staff posting #50797.