

# Tenure Track Tier 2 Canada Research Chair (CRC) Faculty Position in Building Science

## The Opportunity

The [Department of Architectural Science](#), in the [Faculty of Engineering and Architectural Science](#) at [Ryerson University](#) invites applications for a **Tier 2 Canada Research Chair (CRC)** in *Building Science*. The candidate will develop, with Ryerson University, the CRC nomination package for the April 20, 2020 deadline. Upon a successful nomination to the CRC program, the candidate will be appointed to a tenure track position at the rank of **Assistant Professor**, effective January 1, 2021, subject to final budgetary approval.

**Building science** is a discipline that bridges the gap between architecture and engineering, seeking to apply the scientific fundamentals of building physics to the interaction between the components of a building, its users, and the environment. Our [graduate program](#) (Ph.D., M.A.Sc., M.B.Sc.) was the first of its kind at its inception, has already emerged as a differentiator for the University and continues to be a leader amongst building science programs across Canada. Graduates of the program benefit from our downtown location of the campus and its proximity to Canada's leading building science consulting firms.

**Note:** *All nominations are subject to review and final approval by the CRC Secretariat. Please consult the Canada Research Chairs website for more information about the CRC program and eligibility <http://www.chairs-chaire.gc.ca/>. The Tier 2 CRC is intended for exceptional emerging scholars (i.e., candidates must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 chair assessed through the program's Tier 2 justification process. Please contact the research office by sending an email to [vpri@ryerson.ca](mailto:vpri@ryerson.ca) with "Tier 2 Justification" in the title.*

This position falls under the jurisdiction of the Ryerson Faculty Association (RFA) ([www.rfanet.ca](http://www.rfanet.ca)). The RFA collective agreement can be viewed at: <http://bit.ly/2yRPeF6> and a full summary of RFA benefits can be found at: <http://bit.ly/2ha7X5j>.

## About Ryerson and the Department

Located in the heart of downtown Toronto, the largest and most culturally diverse city in Canada, [Ryerson University](#) is on the territory of the *Anishinaabeg, Haudenosaunee and the Wendat Peoples* and is known for innovative programs built on the integration of theoretical and practical learning. Our [undergraduate](#) and [graduate](#) programs are distinguished by a professionally focused curriculum with a strong emphasis on excellence in teaching, scholarly research and creative activities. At the intersection of mind and action, Ryerson is on a transformative path to become 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.

Dedicated to a people first culture, Ryerson is proud to have been selected as one of Canada's Best Diversity Employers and a Greater Toronto's Top Employer for every year since 2015. To learn more about our work environment, please visit us on Twitter: [@RyersonU](#), [@RyersonHR](#) and [@RyersonECI](#) and our [LinkedIn company page](#).

[Ryerson engineering](#) is ranked among the Top 10 engineering schools in Canada by *Maclean's* and *US News* and the [Department of Architectural Science](#) is unique in Canada and North America with an interdisciplinary model that integrates three disciplines: Architecture, Building Science and Project Management. The Department consists of multidisciplinary faculty and student body dedicated to the pursuit of integrated and sustainable approaches to the design and development of the built environment; we collaborate across disciplines, merging architectural theory with contemporary and emergent design ideas and technologies with a commitment to the social, cultural and aesthetic impact of architecture.

## Responsibilities

The incumbent will be expected to develop and maintain a strong, independent, externally funded research program that will be internationally recognized in five to ten years, mentor and support excellent diverse trainees, students, future researchers and colleagues in forms such as organizing workshops, co-authoring papers, obtaining patents, and contributing to public policy and professional practice. The incumbent will also effectively teach undergraduate and graduate courses and engage in collegial service.

## Qualifications

Candidates **must** have a Ph.D. degree in Building Science (Building Physics) or a related discipline and must also:

- demonstrate sound expertise in one or more of the following related areas of Building Science: i) *Low Carbon/Net-Zero Energy Buildings* (e.g. Smart Buildings, solar energy, energy production, energy storage, energy optimization/management, advanced building controls); ii) *Sustainable Materials/Enclosures* (e.g. tall wood, prefabrication/modular, nano-technologies, new construction systems/technologies); iii) *Human Building Interaction & Building Performance* (e.g. universal design, accessibility for persons with disabilities, acoustics, lighting/daylighting, health and wellness, predictive controls, IAQ);
- have established a strong emerging research profile that demonstrates creativity and evidence of impact, such as peer reviewed and non peer reviewed publications/contributions, patents, special papers, reviews, conference/symposia proceedings and abstracts, government publications and policy contributions, book reviews by the nominee or published reviews of their work, papers presented at scholarly meetings or conferences, and other forms of scholarly expression, including participation in public discourse and debate, which constitute a contribution to research;
- have a demonstrated commitment to equity, diversity and inclusion in teaching and research, including recommended practices of recruiting, mentoring and supporting diverse students and research trainees from underrepresented groups such as women, racialized people, persons with disabilities, Indigenous people, and 2SLGBTQ+ people;
- demonstrate the ability to establish and maintain an independent, externally funded research program, including participation in research collaborations, group grants and/or ability to attract multi-center grants;
- have the potential to attract diverse world-class collaborators;
- demonstrate the ability to effectively teach Building Science courses in the undergraduate and graduate programs and have the potential to contribute to course development and pedagogy; and
- demonstrate the ability to participate in leadership activities in collegial internal and external service.

Professional Engineering (P.Eng.) registration may be an asset when applying for the NSERC CRC. Please clearly indicate your status or eligibility.

*Ryerson recognizes that scholars have varying career paths and that career interruptions can be part of an excellent academic record. Candidates are encouraged to provide any relevant information about their experience and/or career interruptions to allow for a fair assessment of their application. Search*

*committee members have been instructed to give careful consideration to diverse experiences and knowledges, and be sensitive to the impact of career interruptions in their assessments.*

## How to Apply

Applicants must submit their application online via the [Faculty Recruitment Portal](#) (click on “Start Application Process” to begin) by October 10, 2019. The application must contain the following:

- i) letter of application that includes your interest in the position; what you would bring to the Department and Faculty; the impact on the field of Building Science that you foresee for your research (your 3-page research statement can elaborate on this); and what makes you a strong candidate overall as a researcher, educator, and community member;
- ii) current curriculum vitae providing a clear sense of your scholarly and professional development via your education and your research activities and outcomes; your contributions to making building science a more equitable and inclusive discipline, through committee work, community engagement, social media, and advocacy;
- iii) research statement discussing the significance, originality, and potential impacts of your current and developing research program (up to 3 pages);
- iv) recent examples of research activities and outcomes including but not limited to: peer-reviewed and non peer reviewed publications, conference presentations, public talks, articles reaching specialist and non-specialist audiences, effective use of social media for research impact and networking;
- v) teaching statement (up to 3 pages), and a dossier of syllabi and other evidence, if available. These must demonstrate how you engage, encourage, and develop the learning capacity of students entering higher education from a diverse array of backgrounds, how you embed practices and principles of equity, diversity and inclusion in your classroom, your assignments, and your classroom style;
- vi) the names and email contact information of three academic referees who know you and your research well.

*Please note that all qualified candidates are encouraged to apply; however, applications from Canadians and permanent residents will be given priority. Please CLEARLY indicate in your application if you are a Canadian Citizen or a permanent resident of Canada.*

## Equity at Ryerson

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. We encourage applications from 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+ people. Aboriginal candidates who would like to learn more about working at Ryerson University are welcome to contact Ms. Tracey King, M.Ed., Indigenous Human Resources Lead, Aboriginal Recruitment and Retention Initiative, at [t26king@ryerson.ca](mailto:t26king@ryerson.ca).

Ryerson is committed to [accessibility](#) for persons with disabilities. For any accommodation needs, please contact, in confidence, Melissa Rotundo, Sr. HR Consultant at [mjrotund@ryerson.ca](mailto:mjrotund@ryerson.ca). As part of its efforts to correct the conditions of disadvantage in Canada for under-represented groups, we will, by separate communication invite all applicants to voluntarily complete an online Diversity Self-ID questionnaire. The information collected will be treated as confidential, but will not be anonymous. The communication will provide details on who will have access to the data and how it will be used.

