

Intermediate Structural Designer

About Blackwell:

Blackwell strives to create a lasting and positive impact on our communities, our built environment, and our industry. A career at Blackwell provides you with an opportunity to work on a dynamic team where everyone has an opportunity to make a difference and be a part of shaping a better future for the Industry. Blackwell delivers a broad range of structural engineering services regardless of project size or complexity, helping realize our clients' vision and solving problems with appropriate design solutions. Since 1987, Blackwell has worked collaboratively with architects, developers, and building owners across North America.

With a total of 60 engineers, designers, and staff located in 4 offices (Toronto, Waterloo, Victoria, and Halifax), Blackwell provides an inspiring environment where our talented team is enabled to think creatively and do great work.

About the role:

We are looking for a full-time Intermediate Structural Designer with 5-8 years of design experience to join our Team. This individual will manage institutional and commercial projects such as community centres, places of worship, bridges, aquatic centres, academic buildings, and landscape structures. They will participate in all project phases from proposals to design and construction, including managing relationships with stakeholders (clients, architects, contractors) and mentoring junior designers. A day in the life may include developing structural design and project documents, meeting with clients, site visits for field review / investigations, and working collaboratively with teammates. This role allows for some remote work and flexibility, competitive pay, group benefits, a RRSP plan, and a flex spending account.

About you:

- You are a creative problem solver at your core with strong interpersonal skills.
- You are a relationship builder and team player who is open-minded and collaborative.
- You have designed large-scale projects and/or bridges with timber, steel, concrete, and masonry.
- You have an engineering degree from a recognized university and are licensed, or eligible to be licensed, with the PEO.
- You may have experience in designing vehicular and pedestrian bridges and have a working knowledge of CSA S6, the MTO Structural Manual, and current industry design practices. Bonus for previous experience designing with CSI Bridge, Midas Civil or SAP2000.
- You are a strong written and verbal communicator with excellent abilities to communicate in graphic forms through hand sketches or computer-assisted drafting.
- You enjoy and are capable of managing various projects, tasks, and stakeholders at once.
- You have a solid understanding of the Ontario Building Code and relevant CSA design standards.
- You have proven experience in both 2D, 3D, and BIM design/modelling software programs, and interest and the ability to learn new applications. Working knowledge of Revit, AutoCAD is ideal, as is experience in finite element analysis.
- You can carry out structural design and calculations by hand and using structural analysis software such as Woodworks, ETABS, SAFE, MASS, Solid Works, and RISA.

If the above sounds like you and you are interested in a career at Blackwell, please forward your resume to careers@blackwell.ca using the subject line *Intermediate Structural Designer Application*.

Blackwell is an equal opportunity employer committed to building a team that better represents the world around us. In the event you require any accommodations, please advise us in advance, and we will work with you to meet your needs.