

JUNIOR STRUCTURAL ENGINEER POSITION

February 2025

Are you ready to design some of the most advanced timber structures in North America?

As a Graduate Structural Engineer on our dynamic and growing team, you will contribute to the design of projects with some of North America and Europe's leading architects. Guided by senior engineers, you will expand your structural engineering skills by designing with the full range of structural materials, including our specialty and passion – mass timber.

Our firm, established in 1998, has consistently pushed boundaries in complex geometry, optimization, digital fabrication, material testing and research. We specialize in mass timber structures, long span roofs, tall wood buildings, free-form timber structures and bridges. Our work has been recognized nationally and internationally, including numerous engineering awards for innovation in timber construction.

We are rooted in our mission of “making beautiful structures possible,” which harnesses both traditional principles and paradigm-shifting innovation to bring the inherent properties of materials to their highest use. Our team of master builders – structural engineers, computational designers, design modellers, carpenters, installers, and project managers – operates from offices in Canada, US, and Italy, we partner with world-renowned developers, owners and architects to create structures that are elegant in their own right and that serve the greater good of a community.

Our head office and manufacturing facility is located in the beautiful Fraser Valley in British Columbia, close to the growing Abbotsford airport. We also have design offices in Vancouver, Seattle, WA and Trento, Italy.

Our structural engineering team is united by a shared passion for innovation, craftsmanship, and collaborative problem-solving, and enriched by the diverse professional and cultural backgrounds of its members. This diversity of experiences and perspectives fuels our creativity and helps us tackle ambitious and complex projects.

ROLE DETAILS:

- Collaborate and assist senior engineers in the developing structural designs and analysis.
- Prepare calculations, sketches and technical documentation to support designs under the guidance of senior engineers.
- Contribute to engineering reports and drawing packages for clients.
- Liaise with internal project management, shop, and site teams to assist in ensuring projects are delivered on time and budget, and meet fabrication and erection constraints
- Visit project sites as necessary to monitor progress in accordance with the design and ensure compliance.
- Assist the engineering team in the development and maintenance of internally developed design tools and guides.

POSITION REQUIREMENTS:

- As an Engineering Student Intern, working towards a Bachelor of Science (B.Sc.) or Master of Science (M.Sc.) in Civil Engineering.
- As a Graduate Engineer, having completed their B.Sc or M.Sc.
- Previous work experience is an asset but not required.
- Understanding of engineering fundamentals, combined with strong analytical and problem solving skills.
- Familiarity with design and analysis software (further training provided).
- Knowledge of relevant material and building codes (further training provided)
- Experience working with 3D modelling software such as Rhino/Grasshopper an asset but not required.
- Effective communication and teamwork abilities.
- A commitment to professional development and progression to licensure.

SUPPORTING YOU

- Join a supportive and collaborative workplace that is invested in the development of our staff and enjoys working together.
- Access professional development opportunities, including mentorship, continuing education, and licensure support.
- Benefit from a comprehensive package that includes health benefits, bonuses, and competitive compensation.

LOCATION: Abbotsford, BC

HOW TO APPLY:

- Visit our career's page on our website, and apply for Graduate Structural Engineer.

<https://structurecraft.com/hiring>

POSITION LENGTH:

- Internships (greater than 6 months) and permanent full-time positions available.