

Structural Engineering Intern

Building Science Division, Paterson Group Inc. – Ottawa, ON

Paterson Group, one of Canada's oldest geotechnical engineering consulting firms, is recognized for expertise in geotechnical engineering, environmental engineering, hydrogeology, materials testing, noise, and vibration studies, structural engineering and building science engineering. Customer service is our first priority. We provide professional services based on technological expertise, interactive project management, a wealth of local knowledge, and creative solutions.

Paterson Group's client base includes major developers, building owners, property management firms, condominium properties, and many other public and private housing and commercial building groups.

Paterson Group offers the opportunity of a rewarding career at a highly successful consulting firm. You will be part of an engaging team of engineers and technologists working on exciting and challenging projects in a culture of mentorship, continuous learning, and collaboration.

Looking for a challenge? Want to do something different? Paterson might be the place for you!

The Building Science Division has an immediate opening for a full-time Junior Engineer position with two to three years of relevant experience. We are looking for the best and the brightest candidate to fill this role; the reward is a competitive salary (reviewed annually) and benefits package. We also offer annual performance bonuses, contributions to RRSP's, group employee benefits, and organize extracurricular social events along with several other perks.

Paterson's structural engineering work is not your typical career. We perform a wide range of unique structural analyses and design, including:

- structural reviews of existing buildings/structures,
- written condition/evaluation reports,
- engineering design assignments and management of projects of various scope and complexity,
- use of a variety of standard engineering methods and techniques to solve problems,
- office review of structural engineering shop drawings and calculations,
- field review of structural related construction (e.g. reinforcing steel, shoring),
- use of design software for structural design,
- structural design for new residential and commercial properties and custom builds,
- redesign and structural upgrades for existing buildings undergoing renovation or addressing substandard conditions.
- structural assessments: adequacy review or due to failure (failure investigations),
- concrete rehabilitation: parking garages, balconies, other structures,
- cladding system design/restoration,
- railing and guard designs,
- load testing: roof anchors, guards, anchor bolts, uplift resistance, bond strength,
- various other miscellaneous services.

In addition, Paterson engineers are involved in a wide range of Building Envelope Engineering, including condition assessments, performance testing, investigations, report writing, and remedial building envelope design, specifications, site inspections, and contract management.

The ideal candidate for this dynamic and challenging role should have the following qualifications:

- Bachelor's degree in Civil/Structural Engineering.
- Ability to be licensed as a Professional Engineer.
- Two to three years of relevant structural engineering experience. Knowledge and experience related to structural design and building envelope construction considered an asset.
- Professional experience in a consulting engineering environment managing structural projects.
- Proficiency with AutoCAD and Microsoft Office Suite. Knowledge in RISA 3D considered an asset.
- Ability to work effectively both independently and in a team environment.
- Demonstrate willingness to be flexible and adaptable to changing priorities.
- Effective organizational skills, for concurrently managing multiple in-progress projects.
- Self-motivating and ability to multi-task while maintaining a strong attention to detail.
- Ability to deal tactfully and communicate effectively with colleagues, clients, contractors, and co-workers.
- Good oral and written English communication skills. French language considered an asset.
- Ability to act with business integrity and professionalism.
- Intellectual curiosity and willingness to build knowledge.
- A valid driver's license and a reliable vehicle are a must.

Start date: ASAP (negotiable)

Benefits

- Competitive compensation package.
- Group RRSP offered after 3 months of employment. The company will match the employees' contributions up to 5%.
- Group Insurance coverage for medical, dental, life insurance, long and short-term disability. Eligibility upon completion of three (3) months of employment. Individual costs for each plan member are shared equally by the employee and the company.
- Mentorship toward licensure with the Professional Engineers of Ontario (PEO) and the Ordre des ingénieurs du Québec (OIQ).
- Gain exposure to new design, rehabilitation, restoration, forensic investigations, temporary works and existing-building assessments across a range of structure types.
- Work alongside Paterson's other technical disciplines, providing exposure to broader building, materials and geotechnical considerations.
- As the structural department continues to develop, team members have the opportunity to contribute ideas and help improve how we work.
- Work directly with the people making technical and project decisions, with opportunities to discuss designs, challenges and alternative solutions rather than simply receiving tasks.
- Welcoming and supportive work environment with numerous social events including staff lunches, team BBQs, and so much more.

Physical Requirements

Field work may include climbing ladders, performing inspections at higher elevations (including swing stages, with proper training) and exposure to the elements including inclement weather. Ability to occasionally lift and move items and equipment up to 50 lbs. The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

How to apply:

If you are passionate about engineering and eager to contribute to a company that values innovation and excellence, we encourage you to apply. Candidates can apply through Indeed.- We appreciate the interest and efforts of all applicants; however, only those short-listed as candidates will be contacted.

Paterson Group Inc welcomes and encourages applications from people with disabilities. Accommodations are available on request for candidates taking part in all aspects of the selection process.

For more information on our company, please visit: <https://patersongroup.ca/>

Job Type: Full-time

Pay: \$70,000.00-\$80,000.00 per year

Additional pay:

- Overtime pay

Benefits:

- Company events
- Dental care
- Disability insurance
- Employee assistance program
- Extended health care
- Life insurance
- On-site parking
- Paid time off
- RRSP match
- Vision care

Schedule:

- Monday to Friday

Work Location: In person