



Entry-Level Structural Engineer

Three Pillar Structural Engineering Group

Chicago, IL, 60657

Full-time

At **3PSEG (Three Pillar Structural Engineering Group)**, our designs are guided by what we call the **Three Pillars of Structural Engineering: The Art, The Science, and The Construction**.

THE ART

We believe structural engineering is a creative discipline. Our role is to support and enhance the architectural vision of every project. Structural design is a fusion of personal perspective and practical function.

THE SCIENCE

We apply our deep knowledge of physics, chemistry, statics, and mechanics of materials to develop innovative solutions. We are passionate about pushing the boundaries of what's possible to support complex and imaginative architectural designs.

THE CONSTRUCTION

We understand that even the most elegant design must be buildable. Our hands-on experience with construction techniques ensures that every drawing and detail that leaves our office is constructible in the field.

Position Summary

We are seeking a motivated **Entry-Level Structural Engineer** to join our growing team in Chicago. In this role, you will apply your technical expertise, creativity, and problem solving in a fast-paced design and construction environment. You'll work closely with architects, engineers, and contractors to develop safe, efficient, and innovative building solutions.

Key Responsibilities

- Perform structural analysis of lateral and vertical load-resisting systems
- Prepare structural calculations and technical reports
- Develop 3D models and construction drawings using Revit and CAD software
- Support design teams with engineering input from concept through construction
- Provide technical consultations and collaborate with clients and project partners
- Learn and adapt quickly to new design methodologies, codes, and construction types

Qualifications

- Bachelor's degree in Civil, Structural, or Architectural Engineering
- 0–2 years of experience in structural building design
- Solid understanding of structural engineering principles and building systems
- Proficiency in structural analysis/design software (e.g., ETABS, RAM, RISA)
- Revit and/or AutoCAD experience required
- Strong written and verbal communication skills
- Self-motivated with strong organizational skills and ability to work independently
- EIT Certification preferred



Benefits

- Health, Dental, and Vision Insurance
- 401(k) with employer matching
- Paid Time Off and Holidays
- Work-Life Balance Culture
- Professional Development Support

Why Join 3PSEG?

This is an opportunity to be part of a firm that values curiosity, design integrity, and collaboration. At 3PSEG, your contributions will directly impact meaningful projects while shaping the built environment of tomorrow.