

Senior Structural Engineer

Type: Full Time Location: Moon Township, PA

Apply Here: [Careers Center | Senior Structural Engineer in Moon Township, Pennsylvania | Careers at MIS \(icims.com\)](#)

Overview

Our Senior Structural Engineer role provides you the opportunity to design state-of-the-art manufacturing, oil & gas, water treatment and power facilities. We are seeking a self-motivated individual with strong communication skills and a passion to apply professional experience and knowledge in a team environment on technically challenging and professionally rewarding projects. You are part of a team working on projects that make our clients successful today, while helping them develop and capitalize on emerging technologies. You should be a detail-oriented professional who understands the importance of meeting commitments while remaining flexible in a fast-paced environment with 10 + years of related experience and a B.S. degree in Civil Engineering with an emphasis in Structural. Candidates having their Professional Engineer registration are preferred.

Responsibilities

- Possess a clear understanding of structural codes and standards
- Analyze structures using various structural engineering software programs such as STAAD, TEDDS, and SP-MATS for the design of buildings, building foundations, equipment foundations, masonry structures, and miscellaneous concrete and steel structures
- Prepare structural calculations and details of structural elements for various materials, primarily steel, concrete, and masonry
- Provide quality oversight for structural designs performed by others
- Be the main point of contact for the structural discipline when meeting with the project manager, other discipline leads, and the customer
- Train and mentor less experienced engineers and designers
- Coordinate details and miscellaneous design criteria with other disciplines
- Generate structural engineering hour estimates to complete ongoing work and for new proposals

Qualifications

- Bachelor of Science degree in Civil Engineering or related discipline is required
- Minimum 10 + years of experience in structural engineering with applicable experience on heavy industrial and manufacturing type projects
- PE Registration
- Demonstrated understanding and knowledge of industry codes and standards (ACI, AISC, AISI, ASCE, AWS, MBMA, SDI, SJI)
- Proficiency with structural design software
- Possesses excellent written and verbal communication skills
- Proficient in using Microsoft Suite including MS Word, Outlook, Excel and PowerPoint
- Ability to perform field/site visits
- Ability to travel (estimated travel time is 10%)
- AutoCAD and REVIT experience is a plus

Preferred Qualifications

- Master's degree in Structural Engineering
- SE Registration
- Working knowledge of AutoCAD, Revit and Navisworks
- Experience in leading a team of engineers and designers