



Mechanical / Piping Engineer Intern or Co-op

Nexus Engineering Group LLC, headquartered in Cleveland, is a full-service, independent engineering firm focused on supporting clients' specific project goals from concept to startup. Nexus provides expertise in the refining, petroleum midstream, chemical, manufacturing and utilities industries.

With more than 100 professionals on staff, Nexus is made up of experienced process, instrumentation and controls, structural, electrical, mechanical, and piping professionals. Our teams have the talent to tackle all sizes of projects for local and international clients seeking to design, build, and construct highly technical and functional facilities.

The Mechanical / Piping Engineer Intern or Co-op will work alongside other Mechanical Engineers in our Mechanical and Piping Departments to prepare drawings, calculations, and other deliverables for our clients' design projects. The position will also interface with team members in our other engineering disciplines to provide cohesive engineering packages to our clients.

Responsibilities:

- Complete calculations of limited complexity, with supervision as needed; may include stress analysis and equipment sizing
- Create and modify equipment drawings, isometrics, and P&IDs using AutoCAD
- Assemble equipment RFQ packages
- Model equipment and pipe design in 3-D using AutoCAD, Plant 3D and Inventor
- Develop and design pipe supports
- Assist experienced Mechanical and Piping Engineers with their activities as requested

Qualifications:

- Currently pursuing a Bachelor of Science Degree (or equivalent education) in Mechanical Engineering from a four-year accredited college or university
- Ability to work within diverse teams assembled from Nexus, clients, and others
- Effective communication skills in order to convey ideas is a must
- Proficient in Microsoft Office Excel and Word
- Seeks feedback to improve performance
- Proficient with AutoCAD or other drafting software desired
- Exposure to Plant 3D or similar 3-D modeling programs a plus

Potential Experiences:

- Gain an understanding of the business and engineering work flow in a consulting firm
- Expand capabilities with drafting software such as AutoCAD, or others
- Learn about process safety and its importance in the design and operation of our clients' facilities
- Exposure to and application of industry codes and standards related to the mechanical discipline such as ASME Section VIII, and piping codes such as ASME B31.3, B31.1 and ANSI B16.5
- Obtain an introduction to P&IDs and piping specifications
- Acquire hands-on experience in the field



This is a competitively compensated Intern or Co-op position. The hours are flexible around class schedules and commitments, and will be agreed upon between the manager and intern/co-op. Applicants shall note if they are interested in an internship (part-time while taking classes and/or full time during the summer) or co-op (full time, 40 hr/wk, during the Summer, Fall, or Spring semester) in their cover letter.

To apply please send resume and cover letter to careers@nexusegroup.com.

Nexus does not discriminate in employment opportunities, decisions or practices on the basis of race, color, religion, sex, national origin, age, disability, veteran status (military status in OH), or any other characteristic protected by law.