



Electrical Engineer Co-op or Intern

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 Electrical Engineer Co-op or Intern will work alongside other Electrical Engineers to prepare drawings, calculations, and other deliverables for our clients' design projects. The position will also require 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 lighting distribution, conduit/cable tray fills, voltage drop, feeder sizing, etc.
- Develop Electrical Single Line Diagrams, Schematic/Interconnection Diagrams, Conduit/Cable Schedules, Plans for Lighting, Grounding, Power, Controls, Raceway, etc.
- Assist experienced Electrical Engineers with their activities as requested

Qualifications:

- Currently pursuing a Bachelor of Science Degree (or equivalent education) in Electrical Engineering from a four-year accredited college or university
- Effective communication skills and ability to convey ideas
- Ability to work within diverse teams assembled from Nexus, clients, and others
- Proficient in Microsoft Office Excel and Word
- Seeks feedback to improve performance
- Experience with AutoCAD or other drafting software preferred

Potential Experiences:

- Gain an understanding of the business and engineering work flow in a consulting firm
- Observe and learn the application of electrical distribution concepts and systems such as protective schemes, device coordination, emergency power, motor control, hazardous area installation methods, etc.
- Expand capabilities with drafting software such as AutoCAD, MicroStation, Plant 3D, Revit, Inventor, Navisworks, or others
- Exposure to and application of industry codes and standards related to the electrical discipline

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