

Job Title: Structural Engineer – Entry Level

Job Summary:

Join the Vortex Team! We are a civil engineering, architectural and survey company based in Grand Junction, Colorado. Licensed to work in 41 states, we work with clients on a variety of residential, commercial, industrial and government/institutional projects.

We are looking for an entry level Structural Engineer who enjoys working on a variety of projects in a collaborative environment. This position works closely with professional engineers, CAD designers, surveyor and other team members to design each project with input from client and company CEO.

Vortex is Solution Oriented: We Innovate and Solve Problems!

General Duties:

This is an office-based job with work generally performed under typical office conditions, although field and site work are a necessary part of the job. Position may involve contact with clients, general public, local governments and other development officials.

As entry level structural engineering the position's key goal is to increase the knowledge and understanding of structural engineering and prepare the employee to take the NCEES structural engineering exam.

Duties include providing structural engineering calculations, design, research, technical writing, CADD, and detailing site visits and observations. Responsibilities also include providing designs from other engineering fields and coordination with engineers from other disciplines. Assigned duties will be commensurate with progression in the structural engineering field.

Work assignments may include special projects with occasional out of town travel to job sites.

Knowledge, Skills, Abilities:

- Must possess strong technical and organizational skills
- Have excellent verbal and written communication skills
- Ability to work effectively in a team environment
- Experience using codes, regulations and standards for planning, design and construction
- Experience using common computer software which may include Microsoft Office, internet applications and GIS
- 2-4 years relevant experience

Minimum qualifications:

BSCE from an ABET-accredited college and shall have completed the following courses:

- Mechanics of Materials
- Structural Analysis
- Reinforced Concrete Design
- Steel Design
- Timber Design
- Soil Mechanics

Successful completion of the NCEES fundamentals of engineering exam
Working knowledge of AutoCAD or Microstation.

Exceptional candidates:

BSCE or MSCE from an ABET-accredited college and in addition to courses listed above shall have completed the following courses:

- Groundwater
- Foundation Engineering
- Hydraulic Engineering
- Fundamental Vibrations
- Transportation or Highway Engineering

Working knowledge of RISA, STADD, or other Structural Analysis Software
Working knowledge of construction documents and specifications
Military or construction experience

Candidates must provide:

- An official transcript that indicates the degree conferred and classes taken
- Homework sample from steel, concrete, or timber design
- Homework sample solving an indeterminate beam and frame
- Homework sample solving the passive pressure on a retaining wall
- Cover letter
- Resume

Salary range: \$55,000 - \$65,000

Job Benefits:

Vortex Engineering, Inc. offers a comprehensive and competitive benefits package including paid holidays, vacation and sick leave; company sponsored IRA with company match; paid health care including medical, dental, vision, and life insurance; professional membership and continuing education support; flexible working hours, and performance bonus for all eligible employees.

Must possess a valid Colorado driver's license. Must pass pre-employment drug screen, motor vehicle and background check.

Please visit our website to apply at www.vortexeng.us/careers.

Vortex Engineering, Inc. is an Equal Opportunity Employer. It is our policy to recruit, employ, train, compensate, transfer, and promote people without regard to race, color, religion, gender, age, ethnic or national origin, marital status, physical or mental disability, veteran status, or any other basis prohibited by federal, state, or local law.