



**INTELLIGENT  
DESIGN  
ENGINEERING**

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[www.IDEcharlotte.com](http://www.IDEcharlotte.com)

<b>Job title</b>	<i>Junior Structural Engineer</i>
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### **Job purpose**

IDE has an opening located in the Charlotte, NC office for an entry-level structural engineer. We are looking for a motivated individual with a strong desire to learn and a demonstrated ability to work in a team environment. We are an established and growing company looking to expand our team to meet the demand of our dynamic industry. You will have the opportunity to design and manage your own projects from start to finish.

### **Duties and responsibilities**

This position combines office design work and field inspections.

- Design small-scale through to large-scale residential construction projects
- Analyze residential structures to determine loading conditions and beam sizes for remodel projects
- Conduct on site framing inspections to ensure that all structural components are properly installed according to the design plans
- Provide forensic investigations to determine what may be causing structural concerns and provide a clear repair plan to illustrate how to repair it
- Work with contractors to provide engineering solutions to field challenges that may arise during construction

### **Qualifications**

- Bachelors degree in Civil Engineering with a concentration on structures
- EIT certification
- Excellent knowledge in structural analysis, concrete, steel, and wood design
- Strong communication skills, report writing, and interpersonal skills
- Working knowledge with AutoCAD, Microsoft Word and Excel
- Field experience with wood construction is a plus

### **Working conditions**

You will first be trained to design structures in an office setting, working toward building confidence and experience to perform on site inspections. Site inspections often require crawling in tight spaces or climbing ladders and making observations of the structures from crawlspaces, attics, or roofs. Therefore candidates should have good communication and writing skills and be physically capable of performing the field inspections.

### **Contact us**

We offer competitive salaries with incentives, health insurance, and retirement plans. If interested, please email your resume, along with your transcript to: [info@IDEcharlotte.com](mailto:info@IDEcharlotte.com)