

**Job Title: Entry Level Mechanical Engineer**

New graduate or up to 2+ years' mechanical machinery design experience  
Salary range will commensurate with experience

## **Job Summary**

Provide effective engineering expertise, input, and mechanical design support on a project basis. Contribute to multi-disciplinary team on many aspects of projects including conceptual and detailed design, documentation, product specification and procurement, fabrication and installation support, and commissioning of electro-mechanical systems. Provide technical expertise, and effective communication to the project team. Utilize strong analytical skills to resolve complex technical challenges. Self-directed and outcome-oriented in achieving ambitious project goals.

### **Mechanical Engineering responsibilities include:**

- Design of heavy electro-mechanical machinery
- Maintain calculations and design records for assigned projects
- Component selection and purchasing
- Monitor QA program for shop assemblies and field installation
- Project commissioning

### **In the Project Group – special assignments may include:**

- Actively participate in design reviews with both internal and external team members
- Interface with other departments to coordinate mechanical systems with structural and electrical systems
- Visit manufacturing/vendor sites to inspect and test components and assemblies
- Design, execute and document prototype testing procedures to validate new designs

### **Support Company's Sales & Marketing Efforts:**

- Provide technical and media support for O&M documentation, including manual reviews, technical documentation, and visual materials
- Write articles for magazines and technical journals

## **Benefits of Employment**

- Competitive Salary
- Opportunity for Growth
- Medical Insurance
- Dental Insurance
- Life Insurance
- ST and LT Disability Insurance
- 401K Retirement Plan
- Generous Paid Time-Off (PTO) plan

## **Job Requirements**

### **Education:**

- Bachelors in Mechanical or Aerospace Engineering from an ABET accredited college
- Engineer in Training (EIT) preferred

**Experience:**

- Recent Graduate or up to 2+ years' experience in mechanical systems design
- Experience with 3D modeling and Finite Element Analysis software. SolidWorks, SolidWorks Simulation FEA, AutoCAD and MathCAD experience preferred
- Must be proficient in documentation of calculations and solutions to technical problems
- Hands-on experience in an industrial machinery or manufacturing environment is desirable

**Knowledge:**

- Knowledge of drive systems components including chains, belts, cables, electric motors, gearboxes, linkages, jackscrew, bearings, wheels, hydraulics is preferred
- Knowledge of fabrication techniques and machine shop experience beneficial
- Demonstrated technical leadership within product development and engineering

**Skills and Abilities:**

- Superior interpersonal communication skills, both written and verbal for internal reviews and client presentations
- Must be able to work efficiently on a multidisciplinary team
- Ability to work independently to make decisions and report progress as required
- Desire to solve unique and challenging mechanical design problems including machine design, structural dynamics/statics, and related integration activities
- Creative and alternative thinking to develop new ideas and solutions for design problems
- Ability and desire to learn new skill sets
- Strong ability to multitask
- Travel may be necessary during certain phases of large projects
- Must be legally authorized to work in the United States without sponsorship for employment visa.

**How to Apply**

Please send resumes to the attention of Renee Werner, HR. Generalist at:  
[rwerner@uni-engineer.com](mailto:rwerner@uni-engineer.com)

Uni-Systems Engineering is an equal employment opportunity employer.

**Thank you for your interest in Uni-Systems Engineering Inc.**