

Mechanical Design Intern Job Description

Title: Mechanical Design Intern

Address: 1180 East Broad Street, Athens, GA 30602

Hours: 20 hours/week

Position Summary: The Mechanical Design Intern reports directly to the Jr. Mechanical Design Engineers (Austin Chester & Ian Van Giesen). Responsibilities include performing administrative and professional work in design, development and the alteration and repair of existing and new university buildings. The incumbent will gain experience on the planning and designing of mechanical and plumbing projects. Work shall be performed in accordance in general policies and procedures of the University System of Georgia and the employee will learn how to make technical decisions and exercise considerable initiative and creativity within the scope of policy directives.

Physical Demands: Driving

Duties & Responsibilities:

Divided by percentage of time spent on each task (out of 100%) during a typical work week. Tasks are listed in order of importance, with the most critical task coming first.

Learn and perform common mechanical calculations (20%):

- Space/Building Heat Load calculations
- Fan calculations
- Pump calculations
- Ventilation calculation
- After initial training, take-on and complete own job assignments with help from Jr. Mechanical Engineer

Learn and Apply Applicable mechanical codes to assigned projects (10%):

- International mechanical/plumbing/building codes
- ASHRAE Standards

Set up project folders for new projects (10%):

- Pull existing construction documents from in-house library
- Set-up AutoCAD and/or Revit projects for upcoming projects

Draw existing conditions in AutoCAD or Revit (30%)

Meetings (5%):

- Site-visits for active projects

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- Attend construction meetings
- Attend in-house engineering department meetings

Perform Laser Scanning of Existing Site Conditions (25%)

How to apply:

Apply through the UGA job search portal (<https://www.ugajobsearch.com/postings/search>).

Contact for Questions:

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