



2080 Nelson Miller Parkway
Suite 200
Louisville, KY 40223
Phone: 502-244-7313
Fax: 502-244-7317

JOB DESCRIPTION: Electrical Engineer I

Summary

Entry Level Engineer will provide AutoCAD and Engineering support to Senior or Lead Hardware Engineer.

Essential Duties and Responsibilities

- Responsible for designing controls systems for all Alliant Technologies' vertical markets.
- Ability to read, understand, and implement a design from a customer specification.
- Requires basic understanding of UL508A and NEC.
- Ability to follow department standards.
- Develop designs with minimal supervision for MCPs that were previously designed.
- Provide Professional communications skills with team members, as well as all other Alliant Technologies employees.
- Provide proficient knowledge and courtesy to outside customers.
- Provide support for Supply Chain and Panel shop.
- Candidate will be entry level with the mindset to develop into a senior level Engineer.

Responsibility and Authority

- Responsibility: Noted above. Also provide quality workmanship in research and drawing development.
- Authority: Provide leadership to shop personnel when representing a customer's panel build.

Qualifications

- A.S. in Electrical Engineering minimum or B.S. in Electrical Engineering preferred
- AutoCAD
- AutoCAD Electrical or ePlan a plus
- Equivalent experience in lieu of a degree will be considered.

Experience

- 0-5 years design experience



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**Alliant Technologies
 Job Demands**

Position: Electrical Engineer I

Physical & Mental Demands	Extent			
	Continuous Over 70%	Frequent	Occasional	Rarely
Physical Demands				
Standing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Walking	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Climbing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bending	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Crouching	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pushing/Pulling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Carrying	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lifting/Lowering 1-15 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15-30 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
30-50 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Over 50 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fine Hand/Eye Coordination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Color Discrimination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hearing Acuity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mental Demands				
	Continuous Over 70%	Frequent	Occasional	Rarely
Concentration on detail	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Attention span 1+ hours on a task	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ability to remember multiple tasks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oral communication	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Written communication	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Working Conditions				
	Continuous Over 70%	Frequent	Occasional	Rarely
Exposure to toxins, cytotoxins, poisons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposure to extreme heat, cold, temp fluctuations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposure to hazardous chemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposure to radiation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other (Specify:)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sensory Requirements				
	Is Crucial	Is useful		
See	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Distinguish colors	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Hear/Listen	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Taste	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Smell	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Touch	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Speech	<input checked="" type="checkbox"/>	<input type="checkbox"/>		



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Mental Effort	Work Environment
<p>Check all functions performed on a daily basis...</p> <p><input checked="" type="checkbox"/> Reading</p> <p><input checked="" type="checkbox"/> Basic arithmetic</p> <p><input checked="" type="checkbox"/> Advanced mathematics</p> <p><input type="checkbox"/> Weighing/measuring</p> <p><input checked="" type="checkbox"/> Visualizing conclusions</p> <p><input checked="" type="checkbox"/> Analyzing data</p> <p><input checked="" type="checkbox"/> Searching for solutions</p> <p><input checked="" type="checkbox"/> Creating methodologies</p> <p><input checked="" type="checkbox"/> Conducting research</p> <p><input type="checkbox"/> Managing resources</p> <p><input type="checkbox"/> Evaluating performance of others</p>	<p>% of time spent:</p> <p><u>100</u> Indoors</p> <p><u>0</u> Outdoors</p> <p>The air is:</p> <p><input checked="" type="checkbox"/> Clean/Normal/Average</p> <p><input type="checkbox"/> Dusty/Dirty</p> <p><input type="checkbox"/> Wet/Humid</p> <p><input type="checkbox"/> Affected by smoke, fumes, etc.</p> <p>You work on a surface that is:</p> <p><input checked="" type="checkbox"/> Level <input type="checkbox"/> Uneven</p> <p><input type="checkbox"/> Sloping <input type="checkbox"/> Slippery</p> <p>Noise level is:</p> <p><input checked="" type="checkbox"/> Normal <input type="checkbox"/> Loud</p>