



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.

Language Ability

Adequate conversational English is required in order that the individual be able to take direction from management, understand how to complete job tasks, communicate adequately with co-workers and customers, understand and follow safety guidelines, and understand the Alliant Technologies Employee Handbook and all company policies. Must be able to interpret written warnings as posted in all work areas in both the Alliant Technologies office or at any work site where Alliant Technologies performs work.

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"/>		



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Smell	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Touch	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Speech	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

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



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Acknowledgement of Job Description/Demands

Position: Electrical Engineer I

I acknowledge that I have received and reviewed the job description for the position above, including the demands associated with this position.

Signature

Date

Printed Name