



Position: Associate Controls Engineer
Reports To: Controls Engineering Manager

Basic Function:

This Engineering position is responsible for developing designs in conformance with IPS design standards and customer or Marketing specifications. Responsibilities include participation in the development of engineering standards, design concepts for marketing activities, and complex project design assignments. Communication with customers and functional groups within the company is an important aspect of this position. Engineers in this position must have strong design capabilities coupled with an ability to achieve schedule, budget, and quality objectives.

Minimum Requirements:

- Must be a self-starter who can perform assigned tasks with minimal supervision.
- Must have good communication skills, both written and verbal.
- An ability to work well with others in a team environment.
- Experience with AutoCAD or other computer aided design software.
- A basic foundation in the mathematics and calculations for the design of electrical and/or pneumatic and hydraulic systems.
- The design of schematics and application of control system components.
- A basic understanding of PLC programming and how it relates to machine control.
- A basic understanding of CNC programming and how it relates to machine control.
- Knowledge of common US and International Electrical Codes.

Preferred Competencies:

- Experience using AutoCAD Electrical for system design.
- Experience using Allen-Bradley PLC's and HMI's.
- Experience using Siemens PLC's and/or CNC's.
- Experience using Fanuc CNC's.

Associate Controls Engineer Job Description

Education/Experience:

- An Associate's Degree in a technical field is desired.
- In the absence of an Associate's Degree, 3 or more years of experience will also be considered.

Duties and Responsibilities:

- Develops new designs to meet customer or marketing specifications.
- Works with supervision to maintain project schedules and budgets.
- Supports the development and maintenance of department standards.
- Documents designs using AutoCAD to IPS and/or customer standards as required by the project.
- Provides assistance to other functional groups (Manufacturing, Assembly, Customer Service, etc.) throughout the life of the project.
- Develop specifications for purchased equipment.
- Prepare Bill of Materials and engineering changes.
- Maintains technical competency and works to expand technical skills and knowledge.
- Some travel is required for this position.

Approval Signatures:

General Manager – Ingersoll Production Systems

Date

Human Resources

Date

The above description covers the most significant duties performed but does not exclude other occasional work assignments, requirements, or working procedures inherent in this job.