



Senior Control System Designer

Business Unit:	Automation
Location:	Marion or Des Moines
Reports to:	Account Manager
Exempt or Non-Exempt:	Exempt
Classification:	Full-Time

Background/Work Experience Required:

To be considered, candidates should have:

- Associates degree (A.A.S.) from a two-year technical school with an emphasis in computer aided design and six plus years of related work or industry experience.
- Candidates without a degree require eight or more years of related work or industry experience.
- Demonstrated proficiency with the use of AutoCAD Electrical.
- Demonstrated ability to develop full sets of electrical schematics including control panel layouts, PLC I/O wiring, P&ID's and other typical drawings commonly found in industrial control systems without direction from an engineer. Must be able to demonstrate use and knowledge of the National Electrical Code as it applies to industrial control systems.
- Demonstrated proficiency with computer technologies including but not limited to, Windows XP Operating System and the use of Microsoft Office Word and Excel.

Preferred but not required Experience:

- Demonstrated proficiency with PLC ladder logic programming, HMI programming or other control system development other than electrical design.

Responsibilities and Duties:

The ESCO Group Senior Control System Designer will be responsible for, but not limited to:

- Discuss projects with project team to review functions of equipment and systems. Interface with project team regularly to resolve technical issues, ensure expectations are met.
- Work with engineering personnel to develop electrical drawing packages in AutoCAD.
- Assist automation personnel with field research of existing electrical systems, testing of installed electrical systems, and commissioning of the PLC/HMI based control systems.
- Perform project tasks while adhering to scope, schedule and budget constraints.
- Utilize, support and enhance ESCO Automation's standards and best practices.

- Understand and follow all safety, conduct and policy requirements established by the ESCO Group and clients.
- Maintain a clean and safe work environment that represents a professional company image. Keep work space, desks, test benches and tables clean and organized on a daily basis
- Understand and communicate the ESCO Group services and know who within our organization the client can contact to discuss other opportunities.
- Provide quality assessments of work performed by others.
- Provide guidance and training to others with less experience through mentoring and project.

Physical Demands:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duties of this job, the employee is frequently required to stand; walk; sit; use hands to finger, handle, or feel; reach with hands and arms; climb or balance; stoop, kneel, crouch, or crawl; and talk or hear.
- The employee must regularly lift and/or move up to 10 pounds, frequently lift and/or move up to 25 pounds, and occasionally lift and/or move up to 50 pounds.
- Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.
- Physical activity such as climbing up and down stairs (may be several flights) and or ladders, and walking long distances while carrying equipment.

***All necessary personal protective equipment is provided to meet and in some instances exceed OSHA Regulations.*