JOB DESCRIPTION

Industrial Programming Technician

Summary

This position writes, installs, and maintains industrial control software and assists in installing and maintaining the associated hardware.

Employees entering an Industrial Programming classification will be evaluated and placed into one of the five levels of programmers based upon their competence and ability. Programmers that continue to increase their knowledge about process operations, the number and proficiency of skills they possess, and exhibit good work habits, may be allowed to test and interview their way to the next higher Industrial Programmer classification, until reaching Industrial Programming Technician I.

Principal Working Relationships

- Supervisor: Electrical & Controls Supervisor, Instrumentations Supervisor, Electrical Supervisor
- Others: Instrument Technicians, Electricians, Operations Management, Operations personnel, Engineering

Essential Job Duties

- Install, write, debug, document, review, and modify software for personal computers, programmable logic controllers, networks, and operator and instrument interfaces and their related equipment.
- Install, program, troubleshoot, repair, and replace industrial computer hardware and software.
- Communicate with factory management and operations personnel to determine how control system should operate and then show management and operations personnel how to operate what they have programmed.
- Write process documentation and operation description based on existing and new PLC programs used.
- Assure that all work areas are kept clean within the food safety, feed safety, and sanitation guidelines.
- Complete reports as required.
- Develop the process, electrical, instrumentation, and programming skills of self and others through training.
- Use people, time, equipment, and material in the most efficient manner.
- Report mechanical, electrical, instrumentation, environmental, food safety, feed safety, and operational problems, and unsafe conditions to supervisor.
- Other duties as required by the business.
- Adhere to all company policies and all safety, food safety, feed safety, and sanitation rules and programs

Qualifications

- Four-year degree in Computer Science desired. Two-year degree or diploma in Computer Science or Computer Information Systems, or two-year degree or diploma with two years of experience as Instrument Technician or Electrician, or equivalent work experience required.
- Experience with personal computer, network, human machine interface, and programmable logic controller or distributed controls.
- Leadership and judgment qualities required.
- Process related experience and basic sugar processing knowledge desired.
- Should be motivated, willing, enthusiastic, and promotable.
- Good attendance, safety, disciplinary, and overall employment records.
- Ability to communicate and work cohesively with others.
- Basic knowledge of instrumentation and electrical controls.
- Working knowledge in the following:
  - Understanding programming concepts
  - Basic PC programming
  - Personal Computer hardware and software
  - Networking
  - Programmable Logic Controller hardware, software, and programming
  - PID controllers and control loops
  - Human Machine Interface hardware, software, and programming
  - Reading schematics and symbols (P&ID, IO, electrical, instrumentation, loop drawings)
  - Electrical/electronic theory
  - Electrical/electronic measuring instruments
  - Basic measurement instrumentation and calibration
- Organized with excellent time management skills
- Ability to communicate effectively with employees at all levels

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Physical Demands and Expectations
- Able to stand or walk on concrete floors for an entire eight hour shift if necessary
- Able to bend and lift – 20 to 100 pounds
- Able to climb stairs

I have reviewed this job description and am able to perform all duties required.

_____
Print Name   Signature   Date

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