FIRE PROTECTION DESIGN ENGINEER INTERN/CO-OP
(Fall 2017)

Posting ID: IN1762850A
Company: Southland Industries
Position Type: Part-Time/Co-Op (average 20 hours, hours negotiable w/manager)
College Major(s): Mechanical Engineering (ME)

Primary Responsibilities:
• Assists senior designers and engineers in fire suppression and detection system design tasks
• Assists in creation of calculations, drawings and specifications related to fire suppression and detection systems
• Assists in coordinating all aspects of the project design with project management, architects and other trades through the completion phase of a project
• Performs and reviews CAD and REVIT drafting work, calculations, fabrication reports, cut-sheets and field prints
• Learns and applies applicable codes, specifications and criteria required to support the design of multiple projects
• Examines field conditions, conceptual and construction documents to develop a constructible system

Roles and Responsibilities
• Assists Senior Engineers and Designers in design tasks as required.
• Performs basic deliverables and products such as calculations, drawings, and specifications related Fire Protection systems under supervision of Senior Engineers.
• Perform basic calculations for a project, such as equipment selection, and sizing pipe etc.
• Assist in coordinating all aspects of the project design with project management, architects, and other trades through the completion phase of a project.
• Perform and check CADD drafting work.
• Review applicable codes and criteria and examine field conditions as required to support design of project.

Education and Qualifications
Pursuing a Bachelor’s Degree in Mechanical Engineering; 0-3 years experience in related field.
Completion of classes in Fluid Dynamics, Thermodynamics and HVAC Design is highly
Preferred Skills
• Basic/working knowledge of fire protection design to include types of equipment utilized in the industry
• Good written and verbal communication skills
• Good computer skills, including CADD and Microsoft Office products
• Ability to learn design software platforms including AutoSprink, AutoCad, NAVIS and REVIT

How to Apply
Send Resume to hr@southlandind.com