

Job Title:	Controls & Automation Engineering Intern	Reports to:	Controls Manager
Department:	Engineering	Supervises:	n/a
Location:	New London Office	Exempt/Non-Exempt:	Non-Exempt
% Travel Required:	Approximately 25%	Full-time/Part-time:	Summer Internship

Job Description

Role Overview: The Controls & Automation Engineering Intern will work with the controls engineers to assist them in field commissioning equipment, standardizing engineering procedures, and testing, analyzing, and reporting on newly implemented R&D equipment.

Responsibilities:

- I/O listing development and maintenance from Piping and Instrumentation Drawings (P&ID) developed by Process Engineering
 - Component selection and procurement based upon company standards and I/O listing
 - Electrical schematic drawing creation, editing and reviewing
 - Control panel component layout utilizing DraftSight 2D design software
 - Control panel checkout, modifications, testing and commissioning
 - Assist Controls Engineers and other team members as needed
- Assist Field Commissioning Activities
- Isolating problems and assisting field I/O testing and commissioning
- Process & equipment verification and troubleshooting running water (AKA water runs)
- Process & equipment verification and troubleshooting running product.
- Assist with Equipment R&D
- Design the testing for newly installed R&D equipment.
- Collect run data on newly implemented R&D equipment.
- Create a report that includes analysis, issues, recommended design modifications.

Understand and support Dahmes' Core Values and Core Purpose:

- **Authentic:** We know who we are and we own it. We build and sustain our company and relationships by being honest.
- **Pioneering:** We take risks to create forward looking solutions. We thrive on tackling new challenges and achieving the best possible outcomes.
- **Committed:** We shake hands and keep our word. We deliver on our promises and don't take short-cuts along the way.

Requirements:

- Enrolled into a Bachelors or Associates degree program in Mechanical, Electrical, Computer or Robotics Engineering, STEM, or similar field
- 2D CAD (AutoCAD) skills

Preferred Competency/Experience/Education:

- Self-Motivated and detail oriented with the ability to thrive in a team environment.
- A basic understanding of controls(PLC's), automation, fluid and thermodynamics.
- A basic understanding of electrical schematics
- Proficient in Microsoft Word, Excel and Office

Travel:

- Willing and ability to travel (roughly 25% travel schedule)

