

Controls/Automation Engineer - Co-Op

ThermalTech Engineering is a full-service engineering firm providing consulting services to Fortune 100 and 500 companies throughout the United States. Our team is seeking sharp, energetic, enjoyable co-op students to assist with analysis, design, and construction of complex and challenging industrial projects. We invest in motivated individuals who love to learn, on the job and off, and are interested in a future in controls engineering. Our current co-op students find our work engaging, challenging, and valuable. Many of our co-op assignments culminate in full time employment. The ThermalTech team is engaging and fun to work with!

The perks of being a ThermalTech Engineering co-op:

- You will be paired with an experienced engineer, and have access to talented, licensed professional engineers. Our engineers are great teachers.
- You will apply what you have learned in school to real-world problems.
- Upon returning to school, you will have a greater appreciation and application of engineering. Our co-op students routinely tailor their coursework based on their experience at ThermalTech.
- You will be challenged. Our co-op students are assigned to projects on their first day. We rely on our co-ops to execute projects.
- Our Richland location has two, beautifully furnished homes in a corporate-owned duplex where students walk to work each day. For all other locations, we assist in finding suitable housing and provide a housing stipend depending on need.
- Enjoyable events, social opportunities, and outings. We routinely hire about 15 to 20 co-op students and summer interns each year.

Please consider applying if you possess the following interests and qualifications:

- Great grades from an ABET-accredited engineering or computer science program (a minimum of 3.0 is required for consideration).
- A passion for engineering and learning, on the job and off.
- Figuring out how things work.
- Interest in automatic process control theory and industrial control systems
- Programming.
- Strong computer skills.
- Interest in developing engineering drawings.
- Appreciates a dynamic work experience through a constant assortment of projects. Enjoys Variety!
- Excellent problem solving, time management, and great communication skills both written and oral.
- A disposition oriented toward excellent customer service.
- Enjoy working in a competitive, challenging environment.
- Willingness to coordinate and execute multiple projects simultaneously.

The position entails working with an experienced engineer through multiple rotations learning (how to):

- Design control panels, select field devices, and program PLCs.
- Develop SCADA systems including HMI graphics, setting up databases, batching systems, and domain controllers.

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- Set up networking, wireless, wired, virtual/cloud LAN/WAN technologies, and security.
- Prepare drawings in AutoCAD.
- AutoCAD software to develop the content needed for a drawing package that contains plan, perspective, section, and details.
- Field work and troubleshooting.
- Meet with clients, contractors, and colleagues throughout the design and construction process. Build and maintain long-term relationships.
- Prepare drawings in AutoCAD.

Subsequent co-op rotations typically include the following:

- Start up and commissioning of systems.
- Periodic project-related travel.
- Develop professional skills of estimating, proposing, selling, and managing client projects.
- Increasing levels of responsibility and technical challenges help to provide greater application of content learned in school to real world projects!

Our co-op program is a recruiting tool to find talented engineers interested in our work. Many of our engineers have stayed with us for decades advancing into areas of specialty, or project management, or subject matter experts. Most of our Project Managers, Owners, and the Partners of the company started their careers directly out of school with ThermalTech.