

## PROCESS ENGINEERING CO-OP

Our Cincinnati-based consulting firm is seeking a chemical/process engineering co-op for design and analysis projects in commercial, industrial, and institutional facilities. The Co-op training program is structured to allow engineering students to develop technical skills while they learn aspects of the consulting engineering field.

### Qualifications

- Co-op's must be in an accredited chemical engineering program, completed first two years toward a degree, and maintain a minimum 3.3 GPA
- Co-op's will have studied thermodynamics, fluid dynamics, will possess strong computer skills including experience with AutoCAD and Microsoft Suite
- Excellent problem solving, communication and interpersonal skills are important as interaction with employees, suppliers, customers, and contractors may be required
- Must be able to work well independently and perform research and design with available resources and assistance from engineers
- Above all, a strong desire to learn is essential

### Responsibilities

Co-op's will work with project engineers or designers as part of project specific teams. Team size varies depending on project size and complexity. Co-ops will be exposed to many aspects of the design process including:

- Assist project engineers with specific design tasks
- Visit project sites to determine existing conditions and perform field related engineering services
- Perform heat transfer, pipe velocity, pressure drop, and pumping calculations
- Make preliminary equipment selections using manufacturers' information
- Prepare designs and details using 2 and 3D AutoCAD including piping and process design, layout, and sizing tasks
- Review technical specifications
- Prepare preliminary construction cost estimates
- Research and learn mechanical and electrical code issues
- Research and learn quality control procedures
- Exposure to construction administration
- Assist in concept development, design, and analysis for projects



## Contact

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Email your resume to [shendricks@thermaltech.com](mailto:shendricks@thermaltech.com) if you are interested in learning more about co-op opportunities.