

## Chemical Engineering Intern

AVANTech Incorporated, a rapidly growing technology company that provides water treatment products and services to nuclear facilities and for specialized industrial applications, is seeking a **Chemical Engineering Intern** interested in joining our team in **Columbia, SC**. This job provides an excellent opportunity to learn about the design and operation of water treatment systems with a company using the latest technologies in the field of water treatment.

Key responsibilities include preparing process flow diagrams (PFDs), material and energy balances (MEBs), and piping and instrumentation diagrams (P&IDs). The successful candidate must be able to:

- Perform detailed sizing calculations and then select process components (pumps, control valves, instruments, consumables, etc.) that are used in water treatment systems
- Complete all aspects of bench/pilot-scale testing initiatives, including design of test apparatus, creation of test instructions, and related data analysis
- Work closely with AVANTech's mechanical and electrical engineering groups to design, manufacture, test, commission, and operate a wide variety of water treatment systems

The successful candidate will continually communicate with various groups within AVANTech, therefore, good verbal, written, and technical communication skills are essential. Having familiarity with water treatment system design, operation, control logic and process, and analytical instrumentation is a plus. Hands-on experience with water treatment systems is preferred.

### Qualifications:

- Individuals working towards a Bachelor of Science degree in Chemical Engineering
- Entry-level experience with the preparation of water treatment system PFDs and P&IDs, as well as the selection of process components for these systems, is preferred
- Candidate who challenges conventional approaches and the capability to develop innovative technologies and solutions is desired
- Candidate should possess a methodical yet open-minded approach to problem-solving

At AVANTech, we are energetic and passionate about what we do. We seek qualified candidates who share our vision, values and commitment to superior customer service to both our internal customers as well as our external customers.

Candidate must be able to pass drug test. A high level of safe working practices and procedural awareness is necessary.

To apply, send resume, cover letter, and salary history to: [swilson@avantechinc.com](mailto:swilson@avantechinc.com)

**AVANTech Incorporated is an Affirmative Action/Equal Opportunity Employer**