

# SOUTHERN FLOW, INC.

Instrumentation - Telemetry - Controls

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## ***Control Systems Engineering Co-op/Intern***

Southern Flow, Inc. is a growing systems integration firm based in Alpharetta GA, working in the fields of Instrumentation, Telemetry and Controls Automation throughout the Southeast. We are currently seeking individuals for a Co-Op or intern position that will give you the ability to become an important member of our team. The individual will assist in designing, programming, and constructing our custom, “turn-key” control systems for water and waste water plants.

### Primary Job Duties:

- Assist the project engineer in developing panel wiring diagrams, layouts, and submittal data for approval, fabrication, and installation.
- Assist the project engineer in programming of PLC (Programmable Logic Controller) and HMI (Human Machine Interface) to meet project requirements.
- Assist the panel building team in the construction of the custom designed control panels.
- Assist the engineering staff in generating quotes, technical research, and obtaining information and pricing from vendors.

### Requirements:

- Be enrolled and on track for graduation in an electrical engineering (technology), or mechatronics program at an accredited university.
- Be eligible for Co-op or Intern status by your university’s Career office.
- Ability to understand and apply principles of both AC and DC electrical circuits, including 3 phase AC power and motors.
- Familiarity with drafting software, specifically AutoCAD, or the ability to learn the software.
- Ability to learn and apply component specification, construction techniques and requirements as defined by Underwriters Laboratories Inc. 508-A and 698 specifications.
- Competent in the use of small hand tools and soldering equipment in the construction of instrumentation control panels and consoles as described by project specifications and drawings created by SFI Engineers.
- Ability to read and interpret technical specifications / drawings necessary to construct the control panels and interface to OEM sub-systems used in our automation equipment.
- Ability to learn and apply programming principles in PLC ladder logic across various PLC platforms.
- Construct work products that meet SFI’s requirements for construction of high-quality professionally developed systems.
- Strong, fundamental understanding of computers, networking, and the Microsoft Windows XP and 7 operating systems.
- Strong interpersonal and communication skills, and an ability to work both independently and in a team environment.

The position offers work hours between 8:00 am and 5:00 pm Monday through Friday and competitive industry pay.

Additional information about our company and the products and services we provide can be reviewed at our web-site: [southernflowinc.com](http://southernflowinc.com)

If you feel you are qualified and willing to work hard to be successful in this significant career development and learning opportunity, please submit your resume and requirements to:

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