



Southern Company Engineering Opportunities
NSBE full-time, co-op, and intern positions

We are recruiting intern, co-op, entry level and experienced engineers for career opportunities which includes Alabama, Georgia, Illinois and Mississippi.

JOB REQUIREMENTS:

- Bachelor's degree in Engineering in indicated discipline from an ABET accredited university
- Minimum GPA of 3.0 preferred
- US Citizen or Permanent Resident Only
- May be required to work extended work hours to aid in storm and/or outage restoration efforts
- Participate in the on-call trouble supervision rotation and must be available after business hours for local, out-of-town, and out-of-state trouble and storm restoration.

KNOWLEDGE, SKILLS & ABILITIES:

- Proven Leadership Skills
- Good oral/written communication skills and ability to work effectively with varied individuals (craft personnel, support staff, supervisory staff, and management) is a must
- Strong organizational, administrative, time management, project management, facilitation and analytical skills are must
- Knowledge and experience with personal computers and the ability to learn numerous software applications quickly
- Self-motivation and demonstrated initiative is crucial for this position
- Ability to interface with customers, vendors and contractors while representing the best interests of Southern Company

WE ARE RECRUITING CANDIDATES FOR THE FOLLOWING AREAS & LOCATIONS:

1) Power Delivery - Transmission – Engineers plan, build, design, operate and maintain more than 27,000 miles of transmission lines and 3700 substations. Transmission assets are the backbone of a system that delivers reliable service at competitive prices to our customers

- Electrical or Mechanical Engineering degree preferred
- Power Systems coursework is desired
- 2-3 full-time positions available within the state of Alabama, 6 in Georgia and 1 in Mississippi
- 2 co-op/intern positions available within the state of Georgia

Transmission Line Design Engineer will apply engineering processes, design criteria, and software applications in the design and construction of high-voltage transmission lines.

Substation Physical Design Engineer/Designer is responsible for the physical design portion of Southern Company's transmission and distribution substations.

OR

Protection & Control Design Engineer/Designer will provide engineering drawings, specifications, and material requirements for capital improvement projects with emphasis on safety, quality, schedule and costs.

Protection & Control Applications will perform engineering design and technical services for the specification, application and analysis of protective relaying, control, and automation systems.

Transmission Civil Design Senior Engineer will be responsible for designing and analyzing new or modified existing substation structures.

2) Power Delivery - Distribution— With customers at the center of everything they do distribution engineers plan, build, design, operate and maintain electrical systems that connect homes and businesses to the power grid. Their goals include providing reliable electricity in the most cost-effective way.

- Electrical or Mechanical Engineering degrees desired (others may be considered)
- 2-3 full-time positions available within the state of Alabama, 4 in Georgia and 1 in Mississippi
- 2 co-op OR intern positions available within the state of Georgia

Distribution Engineers are responsible for the design and management of area construction activities for capital and O&M projects. Responsibilities include developing and implementing distribution plans; identification, analysis, and resolution of problems in the Distribution design area; preparing cost estimates, correspondence, documentation, calculations, and sketches. Storm restoration duties are also required.

Co-op or Intern Distribution Engineers design, estimate, and construct electrical distribution systems to meet the electricity demands of new and existing customers. Responsibilities include producing accurate estimates and construction drawings, managing all aspects of projects, identifying system improvement projects, assist in distribution system planning for growth and reliability, handling customer inquiries, other. Storm restoration duties are also required.

3) Nuclear Generation – Engineers within Southern Nuclear oversee the operations and maintenance of our nuclear plants including construction, design, plant performance monitoring, safety, reliability, troubleshooting, and project planning. They are part of the team ensuring current and newer nuclear technologies continue to be a source for clean, safe and reliable electricity. Design Engineers are responsible for the development, review and implementation of design modifications for Southern Nuclear.

- Electrical or Mechanical Engineering degrees desired (others may be considered)
- Power Systems coursework is desired
- 1-2 full-time position available in Alabama OR Georgia at the following plant sites: Farley, Hatch, OR Vogtle
- 4-8 intern positions available at the following plant sites: Farley, Hatch and Vogtle

Intern Generation Engineers perform projects such as installation, calibration and performing inspections on equipment. Gain knowledge of boilers, turbines, pumps, control systems, motors and switchgears and address problems that affect unit/plant performance, reliability, efficiency, safety, environmental compliance, and cost. Other tasks may include collecting and testing various samples from the plant (i.e., water, coal, fly ash) and taking vibration and meter readings for performance data. Interpret and maintain blueprints, diagrams, and plant system drawings, use of AutoCAD and participate in equipment testing and addressing corrective, preventive and predictive maintenance issues in electrical and mechanical areas.

- Electrical, Mechanical, Chemical, Civil Engineering degrees
- 2-3 intern positions available in Alabama

4) GAS – Design Engineers and Construction Operations

Design Engineers are responsible for assisting in the planning, design and development of technical standards for gas distribution infrastructure projects.

- BA/BS in Engineering (Mechanical or Civil)
- GIS – basic proficiency
- Several full-time positions available in Georgia and Illinois

Inspector, Construction are responsible for ensuring our pipeline assets are constructed in a safe, quality, compliant and efficient manner.

- BA/BS Degree in Engineering (Mechanical or Civil) or Construction Management
- Valid Driver's License
- Several full-time positions available in Georgia and Virginia

Project Engineers are responsible for overseeing and supporting the construction of natural gas transmission and distribution facilities.

- BA/BS in Engineering (Mechanical or Civil)
- Project Management and GIS proficiency
- Engineer in Training (EIT) or Project Management Professional (PMP) preferred
- Several full-time positions available in Illinois

5) Southern Company Operations – Intern Commercial Operations Planning and Environmental

Responsible for a range of operational, commercial, strategic, financial and environmental compliance activities in support of the electric generating fleet of Southern Company and its subsidiaries. Roles in Environmental Affairs, Wholesale Energy, System Planning, Financial/Contract Services, Energy Trading or others.

- Any engineering degree, Economics/Statistics, Finance, Mathematics, Environmental Science, MBA.
- 1 intern position available in Birmingham, AL

6) Southern Power Company – Project Development – One or more positions will be filled within the wholesale energy business focused on growing renewable energy generating capacity:

Business Development Associates are responsible for learning the acquisition process by working alongside the Business Development Managers through developing relationships with external parties, preparing indicative purchase proposals, understanding project valuations, performing due diligence, and structuring and negotiating purchase agreements and Power Purchase Agreements

- Experience with the power and/or renewable energy industry, due diligence process, and/or contract negotiations is a plus
- Basic knowledge of (or interest in) wholesale power contracting principles including power purchase agreement terms and conditions and risks associated with contract obligations desired
- Bachelor's degree in Engineering required, MBA is a plus
- Position is located in Birmingham, AL

EPC Engineers are responsible for implementing projects, developing and negotiating project contracts, overseeing construction, and transition of the asset to commercial operation.

- Experience with construction management, project scheduling, technical design in power plants is desired
- Bachelor's degree in mechanical, civil, electrical, or chemical engineering
- Position is located in Birmingham, AL although some overnight travel to customer and plant locations may be required

EPC Engineering Interns are responsible for supporting the Engineering, Procurement and Construction group in implementing projects, developing and negotiating project contracts, overseeing construction, and transition of the asset to commercial operation.

- Sophomore, Junior, or Senior in mechanical, civil, electrical, chemical engineering program from an ABET accredited university
- Minimum GPA of 3.0 required
- US Citizen or Permanent Resident
- Position is located in Birmingham, AL although some overnight travel to customer and plant locations may be required

We offer a competitive compensation package and relocation.