

NSBE Job Descriptions (Condensed)

Southern Company Gas

Pipeline Integrity Engineer Analyst (Full Time – 1)

- **Responsibilities:** support and oversee activities related to the Transmission Integrity Management Program (TIMP). This position will manage pipeline and station integrity assessment projects.
- **Qualifications:** B.S. Engineering from an ABET accredited institution, primarily mechanical or civil engineering. Transmission pipeline integrity experience preferred.

Junior Process Engineer (Intern – 1)

- **Responsibilities:** Optimize and improve processes within the Customer Operations team, collect and analyze data, design and implement new processes, create process documentation, support validation activities, and provide technical support.
- **Qualifications:** Student of bachelor's degree in engineering, computer science, data science, finance, or business administration; minimum GPA of 2.8 (3.0 preferred for internships); strong analytical and communication skills.

Design Engineering (Intern – 2)

- **Locations:** Atlanta, GA & Naperville, IL
- **Responsibilities:** Support and assist in the planning, design, and development of projects for the gas distribution system.
- **Qualifications:** Sophomore, junior, or senior in civil, chemical, or mechanical engineering with a minimum GPA of 3.0.

Field Operations Intern (Intern – 2)

- **Responsibilities:** Provide strategic work experience in the natural gas industry, focusing on safety, learning, and daily operations.
- **Qualifications:** Ability to understand various processes, forge collaborative relationships, and monitor progress of plan initiatives.

EDGE Intern (Intern – 1)

- **Locations:** Atlanta, GA
- **Responsibilities:** Develop solutions for data integrations, transformations, and deliverables, including data analysis, data mining, technical support, and database maintenance.
- **Qualifications:** Majors in data analytics, computer science, software engineering, or computer engineering.

Georgia Power

Distribution Engineer (Full Time - 2)

- **Responsibilities:** Service design, estimating, and coordinating construction for multiple overhead and underground residential, new business and other construction projects.
- **Qualifications:** Bachelor's degree in engineering; strong organizational and communication skills.

TCC Engineer (Full Time - 2)

- **Responsibilities:** Ensure the Safe and Reliable operation of the bulk electric system through providing key reliability functions in Floor Engineering Support and Operations Planning.
- **Qualifications:** In-depth knowledge of the power system and GPC databases and tools, as well as expertise in power flow analysis, transient analysis, transmission switching, protective relaying, and facility ratings.

Project Manager (Full Time – 2)

- **Responsibilities:** Manage projects from planning to execution, ensuring they meet scope, schedule, and budget requirements.
- **Qualifications:** Bachelor's degree in engineering or related field; project management experience.

Assistant PM/Project Coordinator (Full Time – 2)

- **Responsibilities:** Assist project managers in coordinating and managing projects, ensuring they meet scope, schedule, and budget requirements.
- **Qualifications:** Bachelor's degree in engineering or related field; project management experience.

Schedule Analyst (Full Time – 2)

- **Responsibilities:** Analyze project schedules, identify potential issues, and recommend solutions to keep projects on track.

P&CFS Engineer (Full Time - 1)

- **Responsibilities:** Provide protection and control field services, including commissioning, testing, inspecting, and troubleshooting protection relays and control schemes.
- **Qualifications:** Bachelor's degree in electrical engineering; experience in protection and control field services.

Change Coordinator (Full Time - 1)

- **Responsibilities:** Coordinate and manage changes to projects, ensuring they meet scope, schedule, and budget requirements.

Distribution Engineer (Student - 2)

- **Responsibilities:** Assist engineers with field projects, including design, drawing memos, maintaining computer systems, and preparing permits.
- **Qualifications:** Currently enrolled engineering students with a minimum GPA of 3.0.

P&CFS Engineer (Student - 2)

- **Responsibilities:** Learn the fundamentals of electrical power system field operations, including commissioning, testing, inspecting, and troubleshooting protection relays and control schemes.
- **Qualifications:** Currently enrolled engineering students with a minimum GPA of 3.0.

Southern Nuclear

SNC Engineer Student (1 intern / 2 co-op)

- **Responsibilities:** Support engineering projects, assist with design and implementation, and participate in daily operations.
- **Qualifications:** Currently enrolled engineering students with a minimum GPA of 3.0; strong analytical and problem-solving skills.

SNC Engineer (Full-Time 2)

Southern Power

Project Development (Intern – 1)

- **Responsibilities:** Support project implementation, develop and negotiate project contracts, oversee construction, and transition assets to commercial operation.
- **Qualifications:** Bachelor's degree in civil, mechanical, electrical, or chemical engineering; minimum GPA of 3.0.

Project Execution (Intern – 1)

- **Responsibilities:** Support the Engineering, Procurement, and Construction group in implementing projects, developing and negotiating project contracts, overseeing construction, and transitioning assets to commercial operation.
- **Qualifications:** Bachelor's degree in civil, mechanical, electrical, or chemical engineering; minimum GPA of 3.0.

Generation Support (Intern/Co-Op - 1)

- **Responsibilities:** Focus on data analytics and technology solutions for power generation, create and maintain data analysis or visualizations, and explore new technologies.
- **Qualifications:** Bachelor's degree in engineering, data science, economics, or comparable field; experience in PowerBI or Tableau preferred.

Renewable Contract Analyst/Engineer (Full Time – 1)

- **Responsibilities:** Manage financial and operational activities of renewable sales contracts, provide contractual and operational support, and perform detailed analysis.
- **Qualifications:** Bachelor's degree in engineering, finance, economics, or equivalent; high proficiency with Microsoft Excel. MBA preferred.

Transmission Engineer/Analyst (Coop/Intern - 1)

- **Responsibilities:** Support project managers on the transmission team, provide modeling and analytical support, and gain exposure to different energy market structures.
- **Qualifications:** Bachelor's degree in engineering, computer science, or equivalent; high proficiency with Excel.

Technology Operations

Security Engineering and Optimization (Intern - 1)

- **Responsibilities:** Maintain operational effectiveness of cybersecurity tools, apply updates, engineer firewall policies, and develop automation processes.
- **Qualifications:** Basic understanding of networking and network devices; familiarity with system or application support.

Digital Defense Center Intern – Security Infrastructure and Engineering (Intern – 1)

- **Responsibilities:** Assist with security infrastructure management, detection engineering, and automation for the Security Operations Center (SOC) and other technology security teams.
- **Qualifications:** Basic understanding of computers and networking; knowledge of Unix/Windows servers and Python is a plus.

Technical Shared Services (TSS)

Structural Engineer (Full Time - 1)

- **Responsibilities:** Provide structural engineering design services for capital and retrofit projects, produce and check structural design calculations and drawings, and coordinate design activities.
- **Qualifications:** Bachelor's degree in civil or structural engineering; at least 6 years of experience in structural design.

Structural Designer (Full Time - 1)

- **Responsibilities:** Produce engineering drawings, specifications, and material requirements for structural steel and concrete foundations, and support construction services.
- **Qualifications:** AutoCAD training and experience; 10+ years of structural steel detailing experience.

Civil Site Engineer (Full Time - 1)

- **Responsibilities:** Design civil sitework for substation and transmission facilities, prepare grading, drainage, erosion control, and oil containment plans, and support planning and budgeting processes.
- **Qualifications:** Bachelor's degree in civil engineering; experience in grading design, erosion control design, and hydrology.

Mechanical Design Engineer (Full Time - 1)

- **Responsibilities:** Perform mechanical engineering design on environmental projects, new generation projects, and retrofit projects at generating plants.
- **Qualifications:** Bachelor's degree in engineering; experience in mechanical system design for power generation facilities.

Electrical Design Engineer (Full Time - 1)

- **Responsibilities:** Execute detailed design activities on electrical power systems at power generating facilities, produce engineering drawings, and provide on-site support during construction.
- **Qualifications:** Bachelor's degree in engineering; experience in electrical system design is a plus.

Substation Design Engineer (Full Time - 1)

- **Responsibilities:** Design transmission and distribution substations, produce engineering drawings, and specify and order material for substation design packages.
- **Qualifications:** Bachelor's degree in electrical, mechanical, or civil engineering; experience in substation design is preferred.

Transmission Line Design Engineer (Full Time – 2)

- **Responsibilities:** Design high-voltage transmission lines, support estimate preparation, develop design options, and prepare construction specifications.
- **Qualifications:** Bachelor's degree in civil, electrical, or mechanical engineering; previous transmission line design experience is preferred.

P&C Applications Engineer (Full Time - 1)

- **Responsibilities:** Design and apply protective relaying systems, provide protective relay settings, and perform short circuit studies.
- **Qualifications:** Bachelor's degree in electrical engineering; experience in protective relay settings is preferred.

Operations (OPS)

Gen Dev / Resource Planning / Procurement Student Intern/Co-Op (1 Summer 2025; 1 Fall 2025)

- **Responsibilities:** Determine the optimal mix of power generation sources, technologies, and capacities needed to meet customers' energy needs, and support system planning.
- **Qualifications:** Currently enrolled students with a focus on engineering, economics, or related fields.

R&D

National Carbon Capture Center Student Research and Development Engineer (Summer 2025 – 1)

- **Responsibilities:** Support NCCC Operations and Engineering personnel in the performance of ongoing CO2 capture test campaigns; analyze data, monitor equipment operation, develop procedures, and update engineering drawings.

Environment and Sustainability Student Engineer (Summer 2025 Intern or Co-op – 1)

- **Responsibilities:** support the environment & sustainability team in managing and creating calculations and graphical depictions of environmental, sustainability, and financial data; create programming for environmental applications and provide technical writing for the department

Generation

Plant Scherer (Fall 2025 Co-Op – 1)

Mississippi Power Company

Distribution or Transmission (Fall 2025 Intern or Co-Op – 1)