

# Futures Fair Booths

## Companies:

### **Southern Company**

Southern Company, one of America's largest generators of electricity, provides power to more than 4 million people everyday. We are made up of over 25,000 talented and diverse professionals each building a unique career. Join us and we will help you build an amazing career at a Fortune 500 leader.

### **Eastman Chemical Company**

#### Process Improvement/Development (Kingsport, TN & Longview, TX)

- Provide process engineering expertise used to develop new processes, produce definition packages for new plants, and support existing manufacturing operations.
- Hands-on opportunity to apply learned skills to a variety of chemical processes.
- Analyze and document economic value of proposed process solutions and new process concepts.
- Document learned information, improvements, and value generated & communicate effectively.
- Ensure health, safety, and environmental concerns for all projects have been addressed and assist in ensuring a safe work environment.
- Assignments in Development can provide a fulfilling long-term career within Technology, or serve as a springboard into Manufacturing or Business leadership positions Engineer Development Program (Kingsport, TN)
- As a Process Improvement Engineer in the Eastman Engineer Development Program you will have the hands-on opportunity to apply your skills to a variety of batch and/or continuous chemical processes in Kingsport as you become familiar with Eastman process. Your initial assignment will be in one of the development organizations with Technology in Kingsport (Chemicals, Specialty Polymers, Cellulose Esters).
- You will likely become involved in supporting one of the many growth projects within Technology and be positioned to take assignments in the start-up and operation of new chemical facilities in the US.
- Assignments in the Engineer Development program can provide a fulfilling long-term career within Technology, or serve as a springboard into Manufacturing or Business leadership positions.
- Candidates should be interested in relocating from Kingsport within 3-5 years of initial employment.

#### Chemical Process Technology (Kingsport, TN)

- Provide process engineering expertise used to develop new processes, to produce definition packages for new plants, and to support existing manufacturing operations.

- Initial work assignments might involve process de-bottlenecking studies, developing process heat and material balances, and designing process equipment

#### Process Control Technology (Kingsport, TN)

- Chemical Engineers in this group provide process control technology design and support for the company's chemical plants.
- Their design work includes the development of process control strategies for chemical plants, dynamic modeling of chemical processes, and the development and implementation of advanced control systems.
- Support work includes assisting with new plant start-ups, commissioning of new control loops and new control strategies for existing facilities, and control loop troubleshooting.
- In addition to providing traditional control technology design and support for Eastman Chemical Company, Advanced Controls Technology engineers develop new control technology.
- Current development activities include the integration of process design and control strategy design, the application of model predictive control, dynamic process simulation, and process data analysis for continuous and batch processes.
- The group is responsible for implementing both continuous and batch process control technology.

#### Comments:

This position is for an entry-level Chemical Engineer.

Education: Bachelor's or Master's (BS/MS) Degree in Chemical Engineering  
Qualified Candidates should submit their resumes online to Requisition 524  
at: <http://www.careers.eastman.com>

Eastman is an equal opportunity/affirmative action employer

#### **Syngenta Crop Protection, Inc**

Crop Protection Supply Chain Leadership Development Program: This program is designed to recruit a few, high-potential, highly motivated people for accelerated development.

Selected candidates will be placed in a series of wide ranging assignments, over a 24 month period, designed for broad exposure to our Crop Protection Supply Chain. At the end of the development program, participants' performance and interests will be assessed in conjunction with business needs for future career opportunities.

Candidates must be flexible; eager for responsibility and challenges, comfortable working within diverse teams, and willing to relocate anywhere within NAFTA (US, Canada and Mexico).

## **Milliken & Company**

Process Engineer: As a Process Engineer, you are a member of the location's process improvement team. Your focus will be on project work related to operational issues. You will be responsible for facilitating the efficient production of a product line and solving complex process issues. Process Engineers work with the entire supply chain dealing with both internal and external customers. You will work closely with teams of associates empowering them to achieve continuous improvement and meet location performance goals. You will interact and communicate with all associates at the location as well as upper management. The Process Engineer can anticipate promotions and opportunities in many career fields as abilities and opportunities allow.

Summer Internship: Milliken & Company provides exceptional opportunities for qualified students in our summer internship process. As an intern, you will be assigned to a specific project and manage all aspects of the project including regular presentations on the progress and results. Project assignments are linked to significant areas of the company and ensure practical experience is gained. Interns can also participate in the summer volunteer process with local Boys & Girls Clubs. Volunteering is conducted during your work schedule. In June, all interns attend a 2 day forum at the corporate headquarters. At the completion of the internship, all interns return to the corporate headquarters and present their project results to Senior Management and University Faculty.

## **Evonik Degussa**

### Design Process Engineer

- Provide technical assistance to defined production areas (e.g. increase of a plant's availability, reduction of investment and production costs, debottlenecking, quality improvement, etc.)
- Support the recommendation of concepts for expansions, quality increase, production availability, etc.
- Provide technical support in basic engineering, detail engineering, construction and commissioning of production processes.
- Prepares basic process documentation (PFDs, P&IDs, Equipment Specifications) on capital projects and/or ESRs.
- Support projects with universities/research institutes/equipment manufacturers to find new, more efficient technologies.
- Provide exchange of information with other Degussa plants in order to utilize these valuable resources for improvements. Participates in technology transfers to and from Europe.
- Provide development work and define the scope for these projects, as well as prepare time schedules and cost estimates.
- Independently completes assigned ESRs.

## **Albemarle Corporation**

CHEMICAL ENGINEER Job Responsibilities include one or more of the following: Process development and scale up from bench scale to commercial scale. Plan and execute sample productions of new chemical products for application/customer testing and market development. Guide and support process hazard analyses prior to scale up. Develop speculative economics for new products and processes. Develop and implement safety, quality, environmental and profit improvement projects. Communicate with, travel to, and provide technical support to operating plants worldwide to implement improvements, troubleshoot problems, or help increase production, reduce costs, improve quality, or reduce environmental impact.

Job Locations: Magnolia, AR, Pasadena, TX, Baton Rouge, LA, Orangeburg, SC, Tyrone, PA, South Haven, MI

Essentials Qualifications: BS Chemical Engineering degree, GPA 2.8 or higher, Strong written and verbal communications skills. Albemarle will not hire any individual who is not legally eligible, under the provisions of the Immigration Reform and Control Act of 1986, to work in the United States. Albemarle Corporation offers a competitive benefits and compensation package. Compensation will be determined by applicant experience and qualifications.

Albemarle Corporation, headquartered in Richmond, Virginia, is a leading global developer, manufacturer and marketer of highly engineered specialty chemicals for consumer electronics petroleum and petrochemical processing transportation and industrial products pharmaceuticals agricultural products construction and packaging materials. The Company operates in three business segments, Polymer Additives, Catalysts and Fine Chemicals, and serves customers in approximately 100 countries, generating annual revenue of approximately \$2.4 billion.

Learn more about Albemarle at <http://www.albemarle.com>

## **ExxonMobil Corporation**

ExxonMobil offers Engineering Careers with initial US starting assignments primarily located in Louisiana, Texas and Virginia. We have a wide variety of career opportunities for Chemical Engineers in our Upstream, Downstream, Chemicals and Global Services organization. Additional career information can be found online at:

[www.exxonmobil.com/careers](http://www.exxonmobil.com/careers).

## **DuPont**

Today's world is powered by knowledge and science. This is a time when dynamic science is both important and essential. At DuPont, we believe in a nurturing environment for innovative ideas and groundbreaking solutions. DuPont products are making a difference in markets as varied as agriculture, nutrition, electronics, communications, safety and protection, home and construction, transportation and

apparel. Looking for opportunity and advancement in a science and engineering-driven environment? We live in exciting times, and at DuPont, revolutionary breakthrough is a way of life. DuPont is currently looking for Chemical, Mechanical, and Electrical Engineers We currently have early career Engineering opportunities in our Field Engineering Program as well as direct hire opportunities at our various plant sites. These positions may include assistance to operations, process engineering, maintenance and reliability, R&D, or Process Control.

Stop by our booth at the Futures Fair and learn more about the exciting career opportunities at DuPont or visit us at [www.dupont.com/careers](http://www.dupont.com/careers).

### **Olin Corporation**

Olin Chlor-Alkali, a major bulk chemical manufacturer of chlorine and caustic, is seeking entry-level engineers in mechanical, electrical and chemical engineering disciplines for our Career Development program. Career Development Engineers may experience multiple site assignments and exposure to different functional areas such as production, maintenance, and logistics during their first 24-36 months. Assignments may be at any of Olin's Chlor Alkali manufacturing sites including the Southeast, Gulf Coast, Northeast, and West Coast. Once the developmental assignment is completed, the engineer will be placed in a role consistent with business needs, individual strengths and interest.

Comments: To schedule an interview, please visit our website at:

[www.OlinChlorAlkali.com](http://www.OlinChlorAlkali.com) - click on Employment, College Grads, Career Development Opportunities, and view open positions and apply for 1305.

### **Firestone Polymers**

Jr. Chemical Engineer: Interacts with process engineering group, mechanical engineering group and manufacturing group in solving plant operating problems. Monitors production operations to assure that established specifications and procedures are followed. Assists in startup of new equipment. Review technical aspects of safety procedures and operating procedures. Maintain, review, and interpret operating data to maintain, improve and modify equipment and polymerization. Updates polymerization process control philosophies for start-up and production.

## **Graduate Schools:**

### **University of Kentucky**

We are looking for highly motivated students interested in research in chemical engineering. We are interested in both students looking for both traditional PhD candidates and students interested in an IGERT program in biological material interfaces. The Integrative Graduate Education and Research Traineeship (IGERT) program, supported by the National Science Foundation, is a multi-disciplinary doctoral fellowship program for students interested in the science and engineering of bioactive interfaces and devices. Faculty members involved in the IGERT program are from the Departments of

Chemistry, Chemical and Materials Engineering, Electrical and Computer Engineering, Anatomy and Neurobiology, Molecular and Cellular Biochemistry, the Center for Biomedical Engineering and the College of Pharmacy. Graduate students participating in the IGERT program receive their Ph.D. in one of these areas while benefiting from a host of multidisciplinary education and research activities in bioactive interfaces and devices. The research program is focused around three integrative themes: Novel Bioactive Architectures, Cell/Protein Interactions at Interfaces, and Integration Into Devices.

### **Auburn University**

We are looking for highly motivated students interested in doing cutting-edge research in chemical engineering. At Auburn, both faculty and graduate students strive to make contributions in both engineering and science. The research topics range from catalyst, nano material to biomedical and systems engineering. Chemical Engineering at Auburn hosts outstanding facilities, including \$30 million in renovations which were finished recently, with ongoing investments in new research equipment. Various fellowships are offered to outstanding PhD candidates, including Dean's fellowships up to \$32,000 per year GAANN fellowships up to \$30,000 per year, Department fellowships \$21,400 per year, with additional fellowships for highly qualified applicants. In addition, tuition waiver is awarded to all students on fellowship.

### **Louisiana State University**

MS and PhD research assistantships in the Cain Department of Chemical Engineering. MS stipends are \$17,500 per year while PhD stipends start at \$21,200 per year and can range as high as \$30,000 per year for highly qualified students. Full tuition waivers are provided for students holding assistantships as well as non-resident fees. Health insurance benefits up to \$350 per semester are also available if enrolling in an LSU sponsored health insurance program.

### **Clemson University**

Graduate Research Assistant Positions at Clemson

### **Tennessee Tech University**

Tennessee Tech University's ChE Department blends scholarship and research with advanced studies, offering excellent opportunities to graduate students. The dynamic and flexible graduate program offers an M.S. in Chemical Engineering and a Ph.D. in Engineering with a concentration in Chemical Engineering. Core faculty members enhance student opportunities by working closely with faculty in Electrical Engineering, Environmental and Civil Engineering, Mechanical Engineering, Chemistry, Biology, and Manufacturing and Industrial Technology to build a unique and effective environment for graduate research and learning. Opportunities to mentor undergraduate students in research and in the use of instruments such as NMR, electron microscopy, x-ray

diffraction and microflow visualization lead to well-rounded training, as does the department's partnership with TTU's Centers of Excellence.