

Research Chemical Engineer – Process Synthesis/Conceptual Process Design Requisition No. 3344

Eastman is a global specialty chemicals company that produces a broad range of advanced materials, additives and functional products, specialty chemicals, and fibers that are found in products people use every day. As a world leader in the diverse markets it serves, Eastman is focused on delivering innovative and technology-based solutions while maintaining its commitment to safety and sustainability. Serving customers in approximately 100 countries, Eastman had 2011 pro forma revenues, giving effect to the Solutia acquisition, of approximately \$9.3 billion. The company is based in Kingsport, Tenn., USA, and, with the completion of the Solutia acquisition, now employs approximately 13,500 people around the world. For more information, visit www.eastman.com.

Located in the foothills of the Smoky Mountains, Kingsport, Tennessee, the area offers excellent schools, outdoor activities, mountains, TVA lakes, low taxes, and access to major metropolitan areas like Washington, DC, Charlotte, NC, and Atlanta, GA.

Position: Process Evaluation and Engineering Research is, at its core, a process synthesis group, using simulation and modeling techniques and sound chemical engineering judgment to innovate at the process flow sheet level. We work on projects of all types throughout the company, providing process insights, economic analysis, and environmental assessments that guide and focus discovery efforts.

As a member of Process Evaluation and Engineering Research, the primary responsibility of this individual will be to:

- Serve as a leading corporate technical expert in the synthesis of innovative chemical processes in a research environment.
- Perform process modeling to determine important design, economic, and scale-up aspects.
- Participate on multi-disciplinary process/product research and development teams, using simulation and economic analysis tools to help guide the development of new processes and the improvement of existing processes.
- Collaborate with chemists, technicians/technologists, and other chemical engineers in experimental programs to investigate unknowns such as phase equilibria, kinetics, and physical properties and to test process concepts.
- Follow relevant literature and interact with appropriate external research organizations and vendors to continue to expand process synthesis capability and knowledge in key areas of chemical engineering operations.
- Provide plant support and consultation, primarily through the development and use of models to provide insights for and/or improve the yields and operating costs of existing manufacturing processes.
- Focus on innovation and invention.
- Document research findings in technical reports.

Qualifications:

Degree: PhD in Chemical Engineering

Skills Required/Ideal Background:

- Graduate-level and/or industrial research experience in process synthesis and process simulation is required.
- Experience in evaluating chemical processes at the flow sheet level is required, preferably with experience with experimental determination and validation of process alternatives.
- Candidate must be motivated by innovation and invention and be willing/able to propose a continuous stream of new alternatives and to evaluate them.
- Should be comfortable with reading technical literature and conversant in chemical engineering at high level.
- Ability to interact positively with group members, project teams, technicians, technologists, and other organizations.

Qualified Candidates should submit their resumes online to Requisition #3344 at <http://www.careers.eastman.com>

*Eastman Chemical Company is an equal opportunity employer.
Eastman Chemical Company is an E-Verify employer.*