Ph.D. Chemical Engineer
Thermal Sciences

Exponent is a leading engineering and scientific consulting firm. Our multidisciplinary team of scientists, engineers, physicians, and regulatory consultants brings together more than 90 different disciplines to solve complicated problems facing corporations, insurers, government entities, associations and individuals. Our approximately 900 staff members work in 25 offices across the United States and abroad. Exponent has over 600 consultants, including more than 350 that have earned a doctorate in their chosen field of specialization.

The Thermal Sciences Practice provides services in a wide array of engineering applications and problem-solving ranging from residential and vehicle fire analysis to the investigation of fires and explosions at chemical processes, petrochemical, manufacturing and other industrial facilities. We apply our engineering skills to improve the safety, reliability, and performance of both products and processes. We investigate system failures and accidents for our clients to scientifically determine the root causes of failure and to offer recommendations for preventing accidents in the future.

We are seeking an Associate/Engineer to join the Thermal Sciences Practice in our Boston area office. Career growth will involve increasing project management duties and substantial responsibility for generating revenue and client relations as well as hiring technical staff.

Qualifications for this position include:

- Ph.D. in Chemical Engineering
- One to two years postgraduate work experience in the chemical process industries is desirable
- Strong interest and demonstrated ability in chemical process dynamics and control, chemical process design and synthesis, chemical reactor design and analysis, or separation systems
- Strong quantitative skills including mathematical modeling, optimization, operations research, numerical analysis, probability, and statistics
- Strong skills in laboratory methods including construction of experimental apparatus, instrumentation, data acquisition and data analysis
- Demonstrated leadership skills and proven ability to work in a multidisciplinary environment
- Outstanding written and verbal communication skills
- Enduring commitment to professional development as evidenced by track record of peer-reviewed publications, participation in technical conferences and commitment to professional engineering licensure or professional certifications
- Strong desire and ability to tackle a wide variety of engineering problems within and outside their direct areas of specialization

For consideration, please contact Siobhan Costello at scostello@exponent.com with resume, and reference “Chemical Engineer” as the keyword.

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