

# CHEMICAL & BIOMOLECULAR ENGINEERING

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ENGINEERING  
CHEMISTRY FOR  
A BETTER WORLD

## WHAT IS CHEMICAL ENGINEERING?

Chemical engineers are taught to link chemistry and engineering in order to produce substances or products that improve people's lives. Chemical engineers develop techniques and processes to convert chemicals and raw materials into products such as plastics, food, pharmaceuticals, petroleum products and other consumer goods while maximizing efficiency and minimizing risk and environmental impact.

## WHY THE UNIVERSITY OF HOUSTON?

The chemical and biomolecular engineering department at the University of Houston Cullen College of Engineering is one of the top-ranked chemical engineering programs in the nation. Chemical engineering graduates are prepared to meet or exceed the expectations of employers, particularly in the energy and chemical industries. Many graduates of the chemical engineering program are currently employed in leadership positions in industry, academia and government across the Houston region and around the world. Conveniently located in the Energy Capital of the World, students have direct access to internships, fellowships and full-time positions throughout the region and are encouraged to pursue professional opportunities while they are in school.

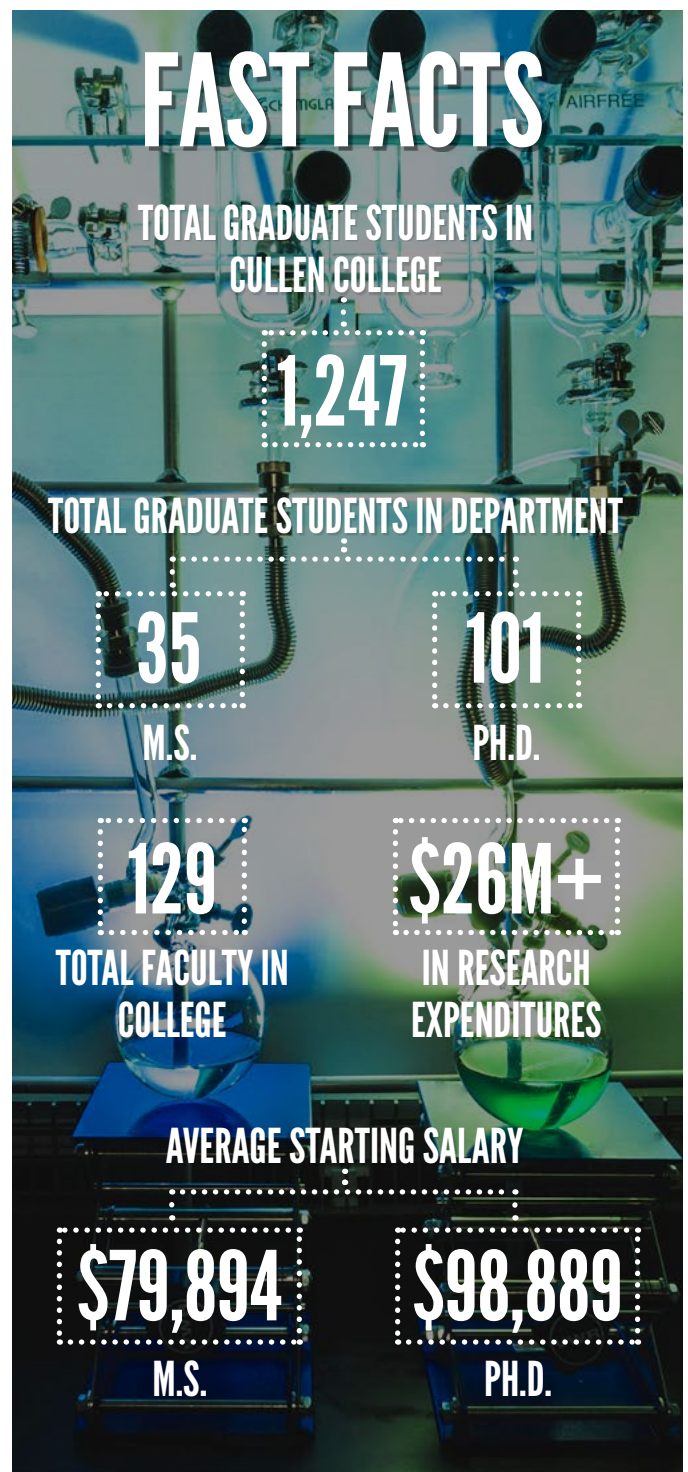
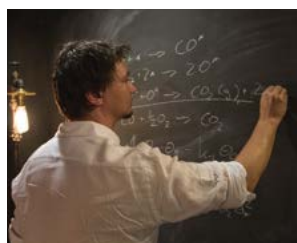
## WHAT CAN I DO WITH A CHEMICAL ENGINEERING GRADUATE DEGREE?

Chemical engineering careers span chemicals, manufacturing, refining, advanced materials, resource management, medicine, pharmaceuticals development and production, pollution control and environmental remediation. Career opportunities for chemical engineers in the city of Houston are excellent. Almost half of Houston's economic base is driven by energy, with more than 3,600 energy-related companies based in Houston. All of the major oil and gas companies have operations in Houston, and the region boasts almost 40,000 jobs just in oil and gas extraction, representing one-third of such positions worldwide.

A 2016 salary survey produced by the National Association of Colleges and Employers found that new graduates with an M.S. in chemical engineering earn an average starting salary of \$79,894, with new Ph.D. graduates earning \$98,889.

## WHAT TYPES OF GRADUATE DEGREES DO YOU OFFER IN CHEMICAL ENGINEERING?

The UH Cullen College of Engineering offers MChE non-thesis, M.S. course-based and Ph.D. degrees in chemical engineering.



## FOR MORE INFORMATION

For more information on eligibility and admission requirements, please visit [www.chee.uh.edu/graduate/degree](http://www.chee.uh.edu/graduate/degree)