



The Artie McFerrin Department of Chemical Engineering is one of the top rated chemical engineering departments in the world. It is also one of the largest, fully accredited chemical engineering programs in the country. The department has become a prolific chemical engineering research hub, with the faculty producing more than 200 refereed journal publications in 2017.

Located in the 205,000 square-foot, Jack E. Brown Chemical Engineering Building, the department provides its students and faculty members access to the latest resources, including 88 research and teaching facilities, six general classrooms, 13 conference rooms, and four computer laboratories.

Research

The Artie McFerrin Department of Chemical Engineering at Texas A&M University has faculty engaged in a wide breadth of studies ranging from highly applied research in the areas of biomass utilization, process safety and hydrocarbon processing to very fundamental research in nanotechnology, life sciences, process systems engineering and molecular simulation. The ultimate goal of the research is to positively impact society by providing new knowledge.

Department Research Areas

- Biomedicine | Biomolecules
- Biofuels | Biotechnology
- Catalysis
- Complex Fluids | Microfluidics | Soft Matter
- Computational Chemical Engineering
- Energy
- Environmental | Sustainability
- Materials | Microelectronics
- Multiscale Systems Engineering
- Nanotechnology
- Process Safety | Process Systems Engineering
- Reaction Engineering
- Thermodynamics

Department Head

M.Nazmul Karim | Professor | T. Michael O'Connor Chair II
nazkarim@tamu.edu

Enrollment

Total Enrollment	1,029
Undergraduate	793
Graduate	236
Master's	96
Ph.D.	140

Faculty

Total Faculty	36
Professors	13
Endowed Chairs	5
Endowed Professorships	7
Associate Professors	7
Assistant Professors	6
Research Assistant Professors	1
Lecturers/Senior Lecturers	4
Professors of Practice	2
Senior Professors	3
Referred Journal Publications	239

Student Gender Diversity

Female	39%
Male	61%

Centers and Institute

- Gas & Fuels Research Center
- Mary Kay O'Connor Process Safety Center
- Texas A&M Energy Institute

Research Labs

- Multi-Scale Systems Engineering Laboratory
- Process Integration and Systems Optimization research Group
- Systems Optimization and Multi-scale Analysis Lab (SOULS)
- Multi-scale Nanostructured Materials Lab
- Thin Film Nano & Microelectronics Research Laboratory
- Biomolecular Engineering And Biological Soft-Matter Physics Lab
- Organic Thin Films and Nanostructures Lab
- Multi-parametric Optimization & Control Lab

Research Impact

Total Research Expenditures **\$19.4 million**

Degrees Conferred

Undergraduate Degrees **150**

Graduate Degrees

M.S. in Chemical Engineering	17
M.S. SENG in Safety Engineering	13
Masters in Biotechnology	18
M.Eng. in Chemical Engineering	4
Ph.D. in Chemical Engineering	17

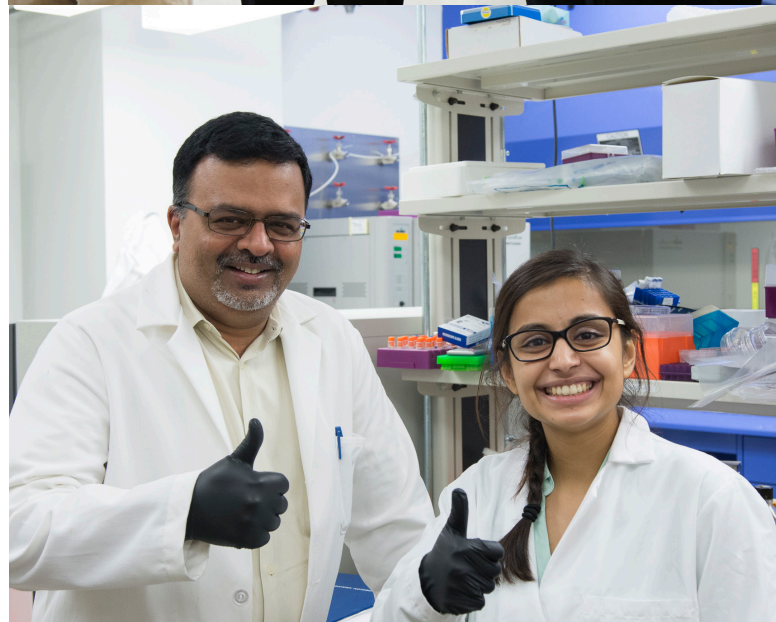
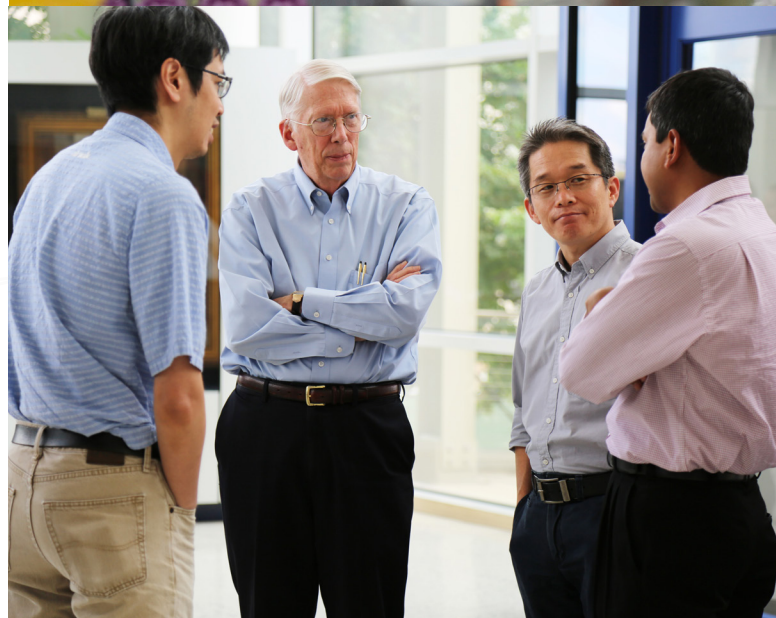
Scholarships & Assistantships

Undergraduate

Scholarship students received **\$417,000**

Graduate

Graduate Student Research Assistants	160
Graduate Student Fellowships	13



The Artie McFerrin Department of Chemical Engineering

Jack E. Brown Building

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**ARTIE MCFERRIN DEPARTMENT OF
CHEMICAL ENGINEERING**
TEXAS A&M UNIVERSITY

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