



RICE

Department of Chemical and Biomolecular Engineering

Rice University is a leading research university—small, private, and highly selective—distinguished by a collaborative highly interdisciplinary culture. State of the art laboratories, internationally renowned research centers and one of the country's largest endowments and supports an ideal learning and living environment. The ChBE Department was established in 1938.

ABOUT THE DEPARTMENT:

- Offers PhD, MS and MChE degrees. Applications open mid-September.
- Provides 12-month stipends and tuition waivers to full-time PhD students.
- Fall 2023 enrollment includes 66 PhD and 29 MS/MChE students.
- Outstanding interdisciplinary, cross-institutional research environment (Texas Medical Center, NASA, NSF NEWT ERC, NSF NRT Bioelectronics Program, Flow in Porous Media Consortium)

TOP 10

PRIVATE
UNIVERSITY
CHEMICAL
ENGINEERING
GRADUATE
PROGRAM

CORE FACULTY

Jason Adams (Joining January 2025)
U of Illinois U-C

Sibani Lisa Biswal
Stanford

Walter G. Chapman
Cornell

Xue Sherry Gao
U of California L.A.

Frederick C. MacKintosh
Princeton

Alina Kampouri (Joining January 2024)
Swiss Federal Institute of Technology Lausanne

Amanda Marciel
U of Illinois U-C

Aditya D. Mohite
U of Louisville

Matteo Pasquali
U of Minnesota

Thomas P. Senftle
Penn State

Ross Thyer
U of Western Australia

Rafael Verduzco
Caltech

Haotian Wang
Stanford

Michael S. Wong
MIT

Kyriacos Zygorakis
U of Minnesota

RESEARCH FACULTY

Abbas Firoozabadi
Illinois Institute Technology

George J. Hirasaki
Rice

Glen C. Irvin Jr.
Tulane

Phillip Singer
MIT

JOINT FACULTY

Pulickel M. Ajayan
Materials Science & NanoEngineering

Pedro Alvarez
Civil & Environmental Engineering

Caroline Ajo-Franklin
BioSciences

Anatoly Kolomeisky
Chemistry

Qilin Li
Civil & Environmental Engineering

Antonios G. Mikos
Bioengineering

Peter J. Rossky
Chemistry

Ka-Yiu San
Bioengineering

Laura Segatori
Bioengineering

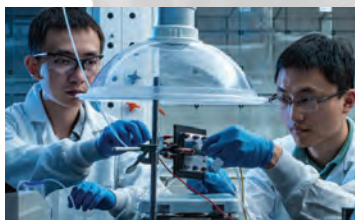
Jonathan Silberg
BioSciences

FACULTY RESEARCH AREAS



MATERIALS & NANOTECHNOLOGY

To gain molecular-level/nanoscale understanding and control of materials synthesis, properties, processing, and scale up.



ENERGY & SUSTAINABILITY

To refine chemical engineering principles towards sustainable production and use of hydrocarbon and non-hydrocarbon resources.



BIOMOLECULAR ENGINEERING

To develop molecular-level understanding of natural and re-engineered biological processes.

www.chbe.rice.edu

For more information and graduate program applications, e-mail: chbe@rice.edu