SCHOOL OF

SUSTAINABLE CHEMICAL, BIOLOGICAL AND MATERIALS ENGINEERING

Today's society demands innovation in materials, healthcare, energy, air quality, water purity, and food production. Chemical engineers are at the forefront of developing novel technologies to tackle these challenges—from molecular simulations to producing hydrogen and growing nanotubes in a lab to delivering large-scale solutions and every step in between. At OU, our research teams are publishing papers and securing patents to lead the way in all of these areas. Our professors are world-renowned, and our alumni are found around the globe.

BY THE NUMBERS

$89,116
Average starting salary for SCBME graduates in industry

10:1
Student to Faculty Ratio

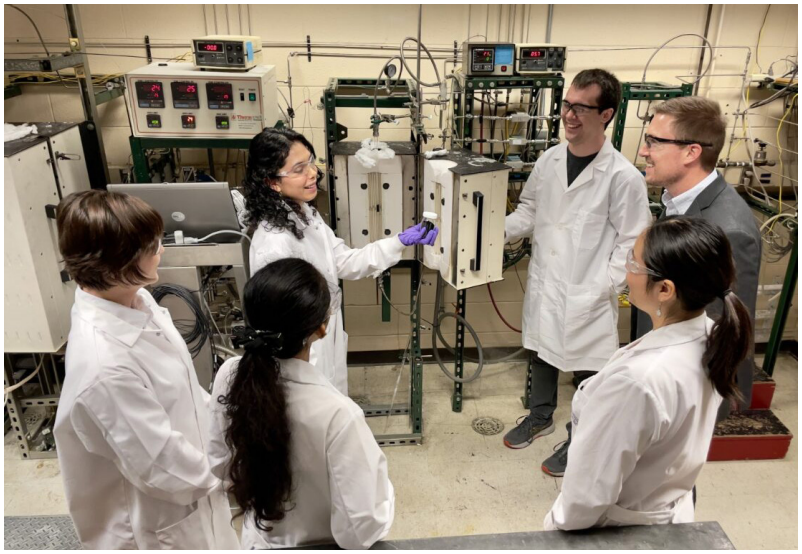
$3.5 Million
Endowment for student scholarships

MAJORS

Chemical Engineering
Chemical Engineering: Bioengineering
Chemical Engineering: Pre-Medical
Chemical Engineering: Sustainability

Accelerated (5-year)
Dual Degree Programs
B.S./M.S. Chemical Engineering

Certificate
Bioprocessing



Phuong Thi Nguyen, Ranuja Bandara, Dr. Laura A. Gomez, Caleb Bavlnka, Eymi Layza, Dr. Steven Crossley discussing nanotubes grown in reactor behind them.

"I entered SCBME at OU with plans of just earning my undergraduate degree. The passion displayed by the professors, the potential for real-world applications and the feeling that I'm making a difference prompted me to pursue a Ph.D. at OU too. Studying chemical engineering at OU is the best decision I've ever made."

– Caleb Bavlnka, Chemical Engineering, B.S. Class of 2021

CONTACT US

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Terms to Know

Major—Primary area of study
Minor—Complimentary area of specialization
B.S.—Bachelor of Science
M.S.—Master of Science
M.B.A.—Master of Business Administration
M.E.S.—Master of Environmental Science

GALLOGLY COLLEGE OF ENGINEERING

SCHOOL OF SUSTAINABLE CHEMICAL, BIOLOGICAL AND MATERIALS ENGINEERING

THINGS TO KNOW

1 Chemical Engineering is a dynamic discipline driving change in all engineering fields, especially through rapid developments in bioengineering, nanotechnology, energy, and sustainability.

2 Graduates are largely responsible for the design and operation of industrial plants that produce energy, pharmaceuticals, food, chemicals and electronic materials and they develop technologies for products that involve chemical reactions from raw materials found in our land and oceans or even from waste.

3 Chemical engineers work in manufacturing advanced materials, specialty chemicals, microelectronics, personal care products, pharmaceuticals, as well as business services, biotechnology, energy, pulp and paper, petrochemicals, and environmental health and safety industries, among others.

Ice Cream infused with liquid nitrogen made by Chevron Phillips Mentors.

SELECT COURSES

Reaction Engineering Separation Processes
Chemical Engineering Thermodynamics
Process Dynamics and Control Transport Phenomena
Structures & Properties of Materials

SCBME STUDENT ORGANIZATIONS

American Institute of Chemical Engineers (AIChE)

Society of Plastic Engineers (SPE)

Chem-E Car Team

+ over 40 engineering student organizations

CAREER PATHS

DOW Houston, TX
Materials Coordinator

OneOK Tulsa, OK
Professional Development Specialist

PepsiCo Plano, TX
Supply Chain Analyst

ThermalTech Engineering Cincinnati, OH
Design/Analysis - Controls Engineer

Samsung Austin Semiconductor Austin, TX
CORP Engineer

Valero Energy Corporation Benicia, CA
Environmental Engineer

Graduating class of 2024.