SCHOOL OF SUSTAINABLE CHEMICAL, BIOLOGICAL AND MATERIALS ENGINEERING

Today's society demands innovation in energy, healthcare, manufacturing, materials, 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 industry-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

$86,000
Average starting salary for SCBME graduates in industry

10:1
Student to Faculty Ratio

$4.2 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

Students, faculty, and staff in our chemical engineering program come together on and off campus, fostering a close-knit and collaborative community.

"OU SCBME has provided me the chance to work with caring professors who are eager to share their knowledge and curiosity with students. It has equipped and challenged me to develop into a well rounded and capable chemical engineer able to think critically, adapt, and solve real problems. I am grateful for not only the knowledge and character developed, but for the community found in SCBME and the relationships I will carry with me"

– EllieGrace Cooper, Outstanding Senior in Chemical Engineering, B.S. Class of 2026

CONTACT US

(405) 325-5811
Sarkeys Energy Center, Rm. T-301
www.ou.edu/coe/scbme
For general questions:
goengineering@ou.edu

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 to produce energy, the purification of water and air, and the development of products involving chemical reactions from either waste materials or raw materials found in our land and oceans.

3 Chemical engineers work across a wide range of industries, including manufacturing, electronics and advanced materials, energy production, pharmaceuticals, healthcare, industrial plant design, pulp and paper, petrochemicals, food processing, specialty chemicals, microelectronics, polymers, business services, biotechnology, and environmental health and safety, among many others.

Liquid nitrogen ice cream made by ChevonPhillips 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 60 engineering student organizations

CAREER PATHS

DOW Houston, TX
Materials Coordinator

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 2026.