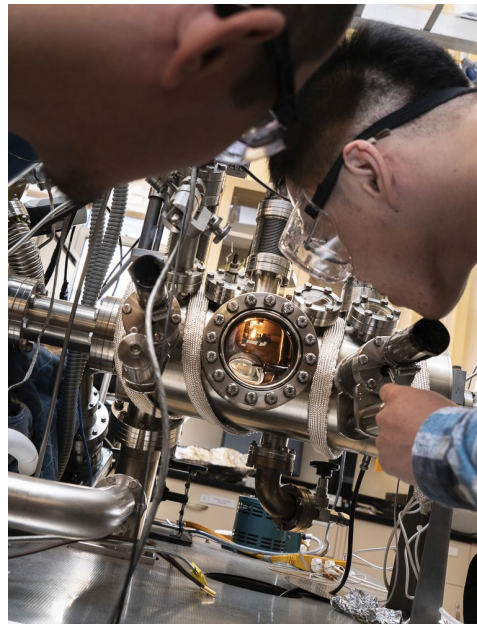
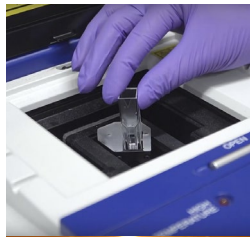
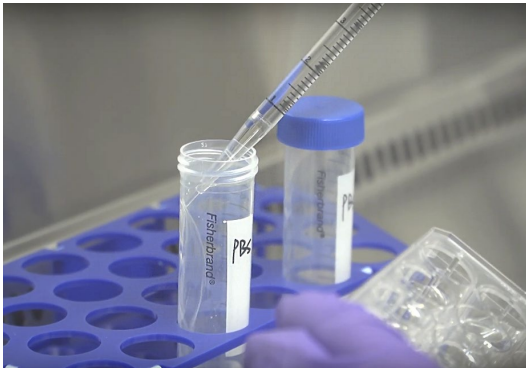


Carnegie Mellon University

Chemical Engineering



John Kitchen

Professor
Chemical Engineering

Graduate Programs

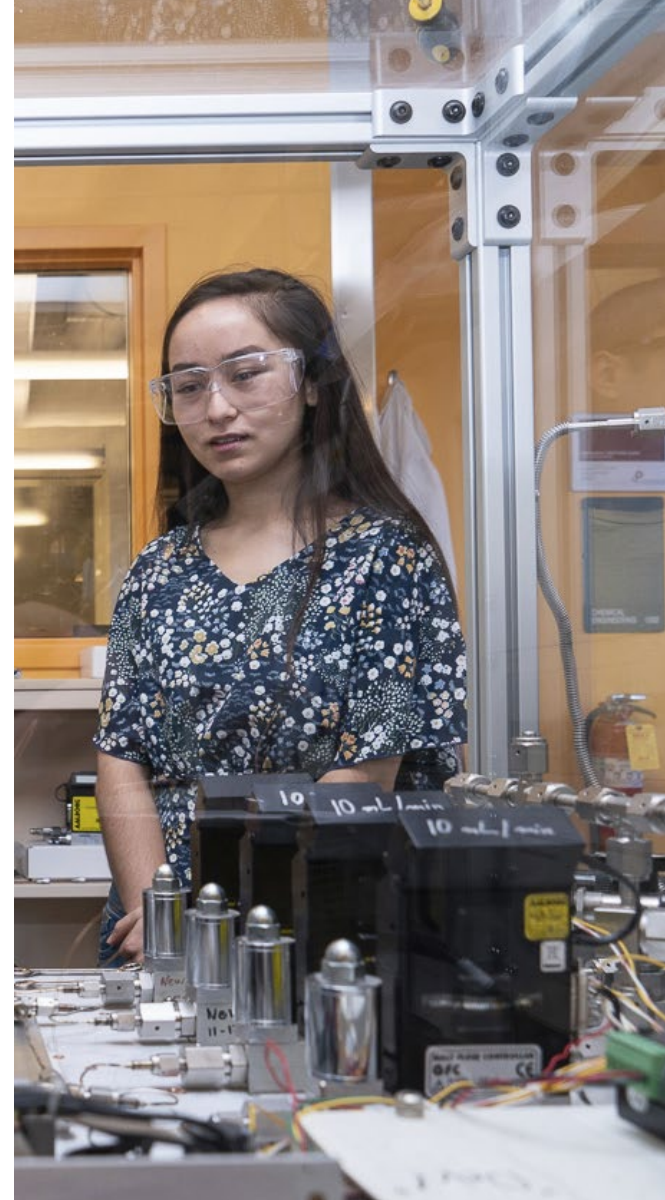
Department of Chemical Engineering
Carnegie Mellon University

A diverse, engaged, and enthusiastic community of 90 Ph.D. students, 75 Master's students, and 200 undergraduates, with 20 faculty committed to providing a high-quality education and cutting-edge research environment.

Research Areas

Leading edge of research and innovation—involved in all major areas of Chemical Engineering, with focus on:

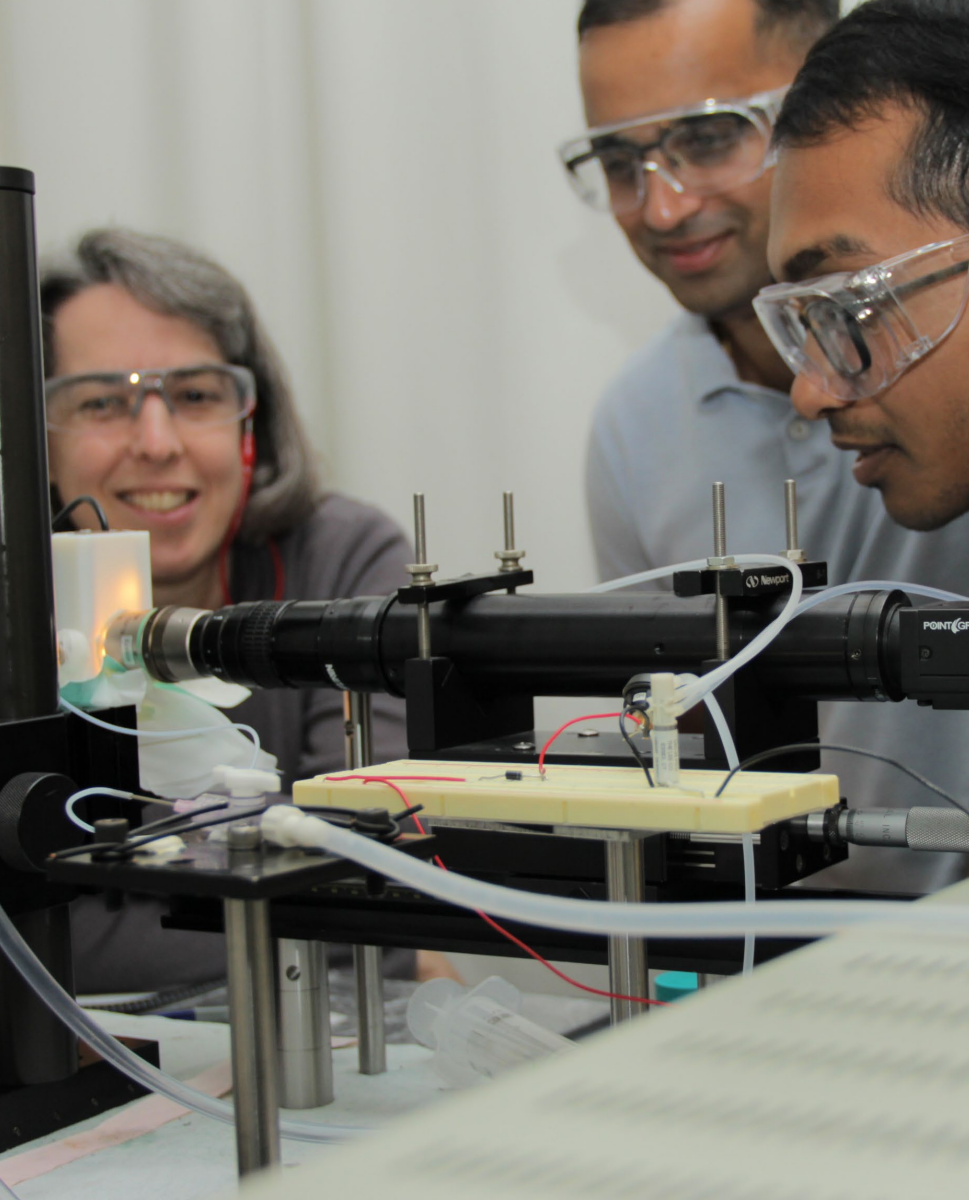
- Air Quality and Environment
- Process Systems Engineering
- Consumer Products
- Health and Medicine
- Energy and Biofuels



Environment

- Average group size: 5 – 6 Ph.D., 2 – 3 MS
- Close knit and collaborative graduate student population
- Chemical Engineering Graduate Student Association (ChEGSA)
- Active and engaged alumni base
- University committed to graduate education. Half of CMU student population is graduate students





Facilities

Centrally housed on CMU's Pittsburgh campus, facilities feature:

- Shared, state of the art research labs
 - Bioengineering, soft materials, atmospheric particle analysis, catalysis and surface science
- Computing facilities for high-performance computing
- Collaborative and versatile undergraduate laboratories



Professional Development

- Professional development seminar course
- Annual ChEGSA Symposium (40+ years)
- ChemE-specific career workshops
- Career services that focus on graduate student needs



Graduate Programs

Ph.D.

training independent researchers equipped to apply chemical engineering principles, as well as advanced analytical and experimental techniques to the solution of open ended problems in academia, industry, and governmental research careers.

MS/MChE

excel at numerical methods for solving engineering problems, computational fluid mechanics and transport, process simulation, and optimization.

MS CPS

develop laboratory and fundamental skills in the science behind soft materials (colloids and polymers).

College of Engineering

ADVANCED COLLABORATIONSM



**Carnegie
Mellon
University**