

Chemical and Biological Engineering

The University of British Columbia



Graduate Programs

RESEARCH AREAS

Energy and Materials

Biofuels. Carbon utilization. Energy production and storage. Polymers. Bio-based materials. Water, Energy, Food Nexus

Process Engineering

Artificial intelligence. Control and optimization. Fluid mechanics. Process development and simulation

Biotechnology

Biomaterials. Biomedicine. Biophysics. Bioprocessing

Environmental Engineering

Carbon capture and storage. Clean water. Pollution control. Sustainability

The University of British Columbia (UBC) is a global centre for research and education, consistently ranked among the top 20 public universities in the world. Chemical Engineering was one of UBC's pioneering programs in 1915 and the Department continues to enrich the reputation of the University. Dedicated to education and to research, the Department of Chemical and Biological Engineering serves the people of the province of British Columbia and of the world. The Department supports students, faculty and staff to succeed in an environment that fosters research breakthrough and teaching innovations.

GRADUATE DEGREES

RESEARCH BASED

- ✓ Doctor of Philosophy (PhD)
- ✓ Master of Applied Science (MAsc)
- ✓ Master of Science (MSc)

COURSE BASED

- ✓ Master of Engineering (MEng)
- ✓ Master of Engineering Leadership (MEL)

RESEARCH FACULTY

Susan Baldwin
Curtis Berlinguette
Xiaotao Bi
Yankai Cao
Emily Cranston
Naoko Ellis
Peter Englezos
James Feng
Johan Foster
John Frostad

Bhushan Gopaluni
Elod Gyenge
Savvas Hatzikiriakos
Charles Haynes
Jane Hill
Anthony Lau
Mark Martinez
Madjid Mohseni
James Piret
Mona Rahmani

Orlando Rojas
Kevin Smith
Simcha Srebnik
Fariborz Taghipour
Heather Trajano
Chester Upham
Anthony Wachs
David Wilkinson
Vikram Yadav

STUDENT FUNDING

MAsc, MSc and PhD students admitted to the graduate research programs qualify to receive an annual stipend. Incoming research-based students are considered for Graduate Student Initiative Scholarships and for 4-Year-Doctoral Fellowships. In addition, Teaching Assistantships are available.

HOW TO APPLY

Visit chbe.ubc.ca/graduate/admissions for application requirements and guidelines.

GRADUATE VISITATION DAY

Taking place during the week of February 19, 2024. Register on our website to receive more information: chbe.ubc.ca/future-students/graduate

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