

Chemical and Biological Engineering

The University of British Columbia



Graduate Programs

The University of British Columbia is a global centre for research and teaching, consistently ranked among the top 20 public universities in the world. Chemical Engineering was one of the pioneering programs that witnessed and engaged in the enriched history of UBC from its beginning in 1915. Dedicated to education and to research, the Department of Chemical and Biological Engineering serves the people of BC and the world. The Department supports students, faculty and staff to succeed in an environment that fosters research breakthrough and teaching innovations.

RESEARCH AREAS

- ✓ Biorefining, Biofuels and Biomaterials
- ✓ Biotechnology and Biomedical Engineering
- ✓ Catalysis, Transport Phenomena
- ✓ Energy Production and Storage
- ✓ Environmental Engineering and Sustainability
- ✓ Green Process and Product Engineering
- ✓ Polymer Science and Engineering
- ✓ Thermodynamics and Reaction Engineering
- ✓ Water, Energy, Food Nexus

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)

STUDENT FUNDING

International and domestic students admitted to the graduate research programs may 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.

FACULTY

PROFESSOR

Baldwin, Susan U of Toronto
Berlinguette, Curtis Texas A&M
Bi, Xiaotao UBC
Ellis, Naoko UBC
Englezos, Peter U of Calgary
Feng, James U of Minnesota
Gopaluni, Bhushan U of Alberta
Gyenge, Elod UBC
Hatzikiriakos, Savvas McGill
Haynes, Charles UC Berkeley
Martinez, Mark UBC
Mohseni, Madjid U of Toronto
Piret, James MIT
Rojas, Orlando Auburn University
Smith, Kevin McMaster
Taghipour, Fariborz U of Toronto
Wachs, Anthony U de Toulouse
Wilkinson, David U of Ottawa



ASSOCIATE PROFESSOR

Cranston, Emily McGill
Foster, Johan E. Simon Fraser U
Hill, Jane, Yale
Lau, Anthony UBC
Srebnik, Simcha UC Berkeley
Trajano, Heather UC Riverside
Yadav, Vikram MIT

ASSISTANT PROFESSOR

Cao, Yankai Purdue University
Frostad, John UC Santa Barbara
Upham, Chester UC Santa Barbara

ASSOCIATE PROFESSOR of TEACHING

Creagh, Louise UC Berkeley
Potvin, Gabriel U of Ottawa
Prodanovic, Vladan UBC
Verrett, Jonathan McGill

ASSISTANT PROFESSOR of TEACHING

Bagherzadeh, Alireza S. UBC

Note: Visit [chbe.ubc.ca](https://www.chbe.ubc.ca) for faculty research specialization

HOW TO APPLY

Visit <https://www.chbe.ubc.ca/academics/graduate/prospective-students/graduate-admissions> for application requirements and guidelines about CHBE graduate programs.

www.chbe.ubc.ca

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