

# University of Nebraska-Lincoln

## Department of Chemical & Biomolecular Engineering



The Chemical and Biomolecular Engineering Department at the University of Nebraska - Lincoln offers graduate programs leading to the Doctor of Philosophy and Master of Science degrees in chemical engineering. The department offers full financial support with tuition coverage and stipends to all PhD students.

For more information:  
[engineering.unl.edu/chme](http://engineering.unl.edu/chme)

## FACULTY

**Vitaly Alexandrov**  
Max Planck Institute for Solid State  
Research, Germany

**Mona Bavarian**  
Drexel University

**Yasar Demirel**  
University of Birmingham, UK

**Shudipto Dishari**  
National University of Singapore

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University of Massachusetts

**Kevin Van Cott**  
Virginia Polytechnic Institute & State  
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**William Velander**  
Pennsylvania State University

**Hendrik Viljoen**  
University of Pretoria, South Africa

## RESEARCH AREAS

### Process

- Sustainable process development
- Separations
- Reaction engineering
- Electrochemical processes

### Materials

- Computational modeling and simulation
- Materials
  - Nanomaterials (organic and inorganic)
  - Biomaterials
  - Soft materials
- Nano technology/science
- Interfacial phenomena
- Sensors

### Biomolecular Engineering

- Systems and synthetic biology
- Tissue/metabolic engineering
- Biotechnology
- Molecular medicine

### Energy

- Renewable energy resources
- Energy storage/conversion

