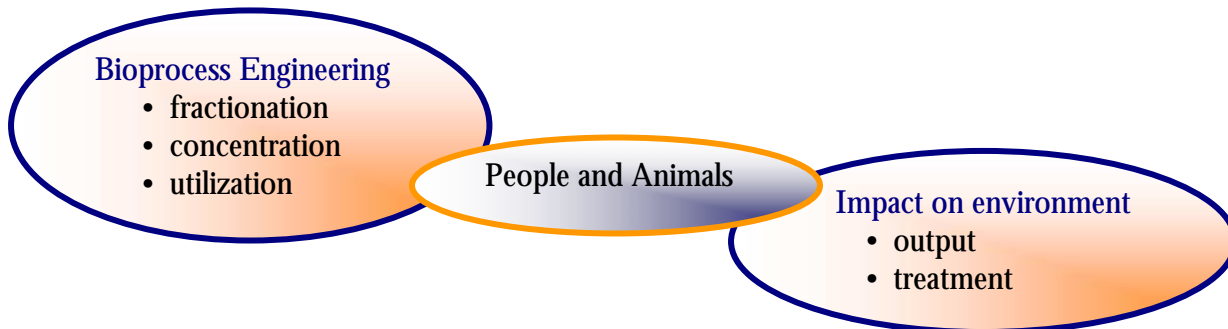


# Graduate Research Opportunities in Food and Bioprocess Engineering

Department of Agricultural Engineering  
University of Illinois at Urbana-Champaign



## Research Program

We are seeking applications for graduate students to participate in a multidisciplinary and multi-institutional research program in corn processing and fractionation at the University of Illinois at Urbana-Champaign. Our program is designed to develop techniques that fractionate and recover components from a diverse biological material, the corn kernel. Students will take part in multidisciplinary efforts to develop process technology, nutrient recovery, coproduct quality and utilization of corn components. Projects typically involve interaction with scientists at federal laboratories, other universities and/or engineers at processing facilities. Research efforts involve several processes, including: wet milling, dry milling, conventional and modified dry grind ethanol processing as well as masa and tortilla production.

Graduate students should expect the overall degree program to include activities that prepare them to be leaders in food and bioprocess engineering research, such as:

- Collect data and/or conduct research, when appropriate, at commercial facilities that participate in research activities
- Write a thesis
- Complete refereed journal publications
- Assist in proposal development and submission
- Present research findings at scientific conferences
- Gain teaching experience

## Other Aspects of Research

- Work with agricultural, bioprocess and environmental engineers, biochemists, ag economists and animal and human nutritionists in a collaborative environment
- Participate in projects that may involve
  - exploratory research on unit operations
  - economic analysis and modeling of bioprocesses
  - determining nutritional value of coproducts
- Gain hands on experience in laboratory and pilot scale process facilities

**Requirements:** BS degree in agricultural/biological/food engineering or related fields.

For more information, contact Kent Rausch at 217.265.0697 or [krausch@uiuc.edu](mailto:krausch@uiuc.edu). For U of I application information, go to: [www.oar.uiuc.edu/prospective/](http://www.oar.uiuc.edu/prospective/).