BIOPROCESSING & BIOENERGY, MS - PROFESSIONAL SCIENCE MASTER'S

for the degree of Master of Science in Bioprocessing & Bioenergy, Professional Science Master's Concentration

The PSM in Bioprocessing and Bioenergy integrates science and business, preparing you for a career in the bioenergy life cycle—from feedstock supply to biofuel transportation and distribution. As both consumption and demand for renewable energy increase, our students will be prepared as scientists, managers, and engineers with leadership, entrepreneurship, technology management, and other business skills needed to take on significant career challenges and opportunities.

The curriculum requires 42 graduate hours, consisting of a core and elective program, in addition to the required PSM concentration. The areas of specialty are Plants, Soils and Feedstocks; Production, Processing and Use; Environment, Economics and Policy & Law, and Tools and Methods.

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PSM Concentration Requirements:

Code	Title	Hours
Business courses prescribed by the Illinois PSM program		**10**
PSM 501	PSM Industry Seminar I	0
PSM 502	PSM Industry Seminar II	0
PSM 503	PSM Industry Seminar III	0
PSM 555	PSM Internship	0

Code	Title	Hours
ABE 594	Graduate Seminar (Required for 2 semesters)	0
TSM 486		3
Courses (7 to 9) in the area of specialty from a designated list, and in consultation with the Director of Graduate Study		29
Total Hours		**42**

Other Requirements

Requirement	Description
Other requirements may overlap	
A PSM concentration is required.	
Minimum 500-level Hours Required Overall:	12
Minimum Hours Required Within the Unit:	8 at the 500 level
Students will not be eligible to transfer graduate credit into this major. See individual program pages for specific details of disciplinary requirements.	
Minimum GPA:	2.75

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1. Advanced knowledge in bioprocessing and bioenergy. There is no specific undergraduate major that focuses on either bioprocessing or bioenergy, so introducing the scientific basis for converting biomass to value-added products is the key component of the bioprocessing and bioenergy curriculum.
2. Business: Introduce students with strong technical undergraduate degrees to business fundamental concepts such as project management, finance, and accounting.
3. Industry experience that gives the students a realistic view of job opportunities and the hurdles faced by bioprocessing and bioenergy companies.
4. PSM: ability to identify career interests, career path, goals to reach career aspirations, materials and knowledge for a successful internship & career search.
5. PSM: ability to communicate science to a non-science audience; ability to work on a team.

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Bioprocessing & Bioenergy website (https://abe.illinois.edu/graduate/professional-science-masters/)
Bioprocessing & Bioenergy faculty (https://abe.illinois.edu/directory/faculty/)

Admissions

Heather Crump (hcrump@illinois.edu) (hcrump@illinois.edu)
General ABE Graduate Email (abe-gradstudents@illinois.edu) (abe-gradstudents@illinois.edu)
Graduate College Admissions & Requirements (https://grad.illinois.edu/admissions/apply/)

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MC-644

College of Agricultural, Consumer & Environmental Sciences

College of Agricultural, Consumer & Environmental Sciences website (https://aces.illinois.edu/)