

# BIOPROCESSING & BIOENERGY, MS - PROFESSIONAL SCIENCE MASTER'S

## *for the degree of Master of Bioprocessing & Bioenergy: Professional Master's Concentration*

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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Code	Title	Hours
<b>Business courses prescribed by the Illinois PSM program</b>		<b>10</b>
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
<b>Code</b>		<b>Hours</b>
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
<b>Total Hours</b>		<b>42</b>

## 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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- 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.
- Business: Introduce students with strong technical undergraduate degrees to business fundamental concepts such as project management, finance, and accounting.
- Industry experience that gives the students a realistic view of job opportunities and the hurdles faced by bioprocessing and bioenergy companies.
- PSM: ability to identify career interests, career path, goals to reach career aspirations, materials and knowledge for a successful internship & career search.
- PSM: ability to communicate science to a non-science audience; ability to work on a team.

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**department website:** Bioprocessing & Bioenergy (<https://abe.illinois.edu/graduate/professional-science-masters/>)

**department faculty:** Bioprocessing & Bioenergy Faculty (<https://abe.illinois.edu/directory/faculty/>)

**overview of college admissions & requirements:** TSM admissions (<https://psm.illinois.edu/technical-systems-management/>)

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