BIOPROCESSING & BIOENERGY, MS - PROFESSIONAL SCIENCE MASTER'S

for the degree of Master of Science in Bioprocessing & Bioenergy, Professional Science 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.

PSM Concentration Requirements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business courses prescribed by the Illinois PSM program</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>PSM 501</td>
<td>PSM Industry Seminar I</td>
<td>0</td>
</tr>
<tr>
<td>PSM 502</td>
<td>PSM Industry Seminar II</td>
<td>0</td>
</tr>
<tr>
<td>PSM 503</td>
<td>PSM Industry Seminar III</td>
<td>0</td>
</tr>
<tr>
<td>PSM 555</td>
<td>PSM Internship</td>
<td>0</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>ABE 594</td>
<td>Graduate Seminar (Required for 2 semesters)</td>
<td>0</td>
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TSM 486  
Courses (7 to 9) in the area of specialty from a designated list, and in consultation with the Director of Graduate Study  

Total Hours 42

Other Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>Other requirements may overlap</td>
<td></td>
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<tr>
<td>A PSM concentration is required.</td>
<td></td>
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<tr>
<td>Minimum 500-level Hours Required</td>
<td>12</td>
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<tr>
<td>Overall:</td>
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</table>
| Minimum Hours Required Within the 8 at the 500 level Unit: | 2.75

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

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

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.

Admissions

Heather Crump (hcrump@illinois.edu)  
Graduate College Admissions & Requirements (https://grad.illinois.edu/admissions/apply/)

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

Information listed in this catalog is current as of 02/2024