# Bioprocessing and Bioenergy

[http://bioenergy.illinois.edu](http://bioenergy.illinois.edu)

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Major: Bioprocessing and Bioenergy  
Degrees Offered: M.S.

Graduate Concentration: Professional Science Master’s ([http://catalog.illinois.edu/graduate/graduate-majors/psm](http://catalog.illinois.edu/graduate/graduate-majors/psm))

## Graduate Degree Programs

The Department of Agricultural and Biological Engineering in the College of ACES offers a Master of Science with a Major in Bioprocessing and Bioenergy and a Concentration in Professional Science Master’s. In addition to receiving training in the general field of bioprocessing and bioenergy, students gain relevant professional experience in business and related topics through coursework and an internship. This program is designed for those who seek careers in a science-based setting with significant managerial and leadership responsibilities.

### Admission

In addition to meeting the Graduate College admission requirements, applicants should have a baccalaureate degree in a recognized field of biological, physical, agricultural, socio-economic or engineering science. Graduate Record Examination (GRE) scores are required of all applicants. The minimum recommended Test of English as a Foreign Language (TOEFL) score is 590 on the paper-based test, 243 on the computer-based test, and 79 on the internet-based test. Applications are only accepted for the fall semester. Transfer credit may not be applied to this program due to the cohort nature of this program.

### Financial Aid

Illinois PSM students may not hold assistantships or other tuition and fee waiver-generating appointments; statutory waivers and tuition scholarships are accepted.

### Master of Science in 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Business courses prescribed by the Illinois PSM program</td>
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<td></td>
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<tr>
<td>PSM 501</td>
<td>PSM Industry Seminar I</td>
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<td>PSM 502</td>
<td>PSM Industry Seminar II</td>
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<tr>
<td>PSM 503</td>
<td>PSM Industry Seminar III</td>
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<tr>
<td>PSM 555</td>
<td>PSM Internship</td>
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<tr>
<td>ABE 594</td>
<td>Graduate Seminar (Required for 2 semesters)</td>
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<tr>
<td>TSM 486</td>
<td>Grain Bioprocessing Coproducts</td>
<td>3</td>
</tr>
<tr>
<td>Courses (7 to 9) in the area of specialty from a designated list, and in consultation with the Director of Graduate Study</td>
<td>29</td>
<td></td>
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</tbody>
</table>

**Total Hours**: 42

### Other Requirements

Other requirements may overlap

- A concentration is required.
- Minimum 500-level Hours Required: 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

For additional details and requirements for all degrees, please refer to the program’s Graduate Degree Requirements ([http://www.bioenergy.illinois.edu/education/major.html](http://www.bioenergy.illinois.edu/education/major.html)) and the Graduate College Handbook ([http://www.grad.illinois.edu/gradhandbook](http://www.grad.illinois.edu/gradhandbook)).