PLANT BIOTECHNOLOGY, MS - PROFESSIONAL SCIENCE MASTER’S

for the degree of Master of Science in Plant Biotechnology, Professional Science Master’s Concentration

department head: Adam Davis
advisor: Nathan Schroeder
department website: https://psm.illinois.edu/plant-biotechnology
email: cptomlin@illinois.edu
overview of grad college admissions & requirements: https://grad.illinois.edu/admissions/apply
college website: https://aces.illinois.edu/
department office: AW-101 Turner Hall, 1102 South Goodwin Avenue, Urbana, IL 61801
phone:(217) 244-0396

Admission
Applicants are considered for admission to the Professional Science Master’s in Plant Biotechnology if they have a bachelor’s or equivalent degree comparable to that granted by the University of Illinois. Strong letters of reference, evident motivation to undertake graduate study, and good preparation in basic science courses enhance an applicant’s credentials. A grade point average equivalent to at least a B in the last 60 semester hours of undergraduate course work plus any graduate level work completed is required. All applicants whose native language is not English are required to submit the results of the TOEFL or IELTS as evidence of English proficiency. Official scores are required to be submitted directly from TOEFL/ETS or IELTS to the University. Additional information for international applicants can be found at: www.grad.illinois.edu/prospective/international.htm.

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

for the degree of Master of Science in Plant Biotechnology, Professional Science Master’s Concentration

For additional details and requirements refer to the department’s graduate handbook (http://cropsci.illinois.edu/sites/cropsci.illinois.edu/files/pdf/Grad_Student_Handbook_2013.pdf) and the Graduate College Handbook (http://www.grad.illinois.edu/gradhandbook/).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

Code Title Hours
CPSC 593 Adv Studies in Crop Sciences (8 max applied toward degree; optional and found in the Science Electives list) 1 to 8
CPSC 598 Seminar (Biotechnology section, 3 semesters) 3

Science electives selected in consultation with advisor: 29
CPSC 431 Plants and Global Change
CPSC 440 Applied Statistical Methods I
CPSC 452 Advanced Plant Genetics
CPSC 453 Principles of Plant Breeding
CPSC 462 Plant Molecular Biology
CPSC 466 Genomics for Plant Improvement
CPSC 541 Regression Analysis
CPSC 542
CPSC 543 Appl. Multivariate Statistics
CPSC 564
CPSC 565 Perl & UNIX for Bioinformatics
CPSC 566 Plant Gene Regulation
CPSC 567 Bioinformatics & Systems Biol
CPSC 588 Plant Biochemistry
HORT 447 Horticultural Plant Breeding
IB 420 Plant Physiology
IB 421 Photosynthesis
IB 473 Plant Genomics
IB 513 Disc in Plant Physiology
IB 542 Environmental Plant Physiology

Toward 10 hours of Business courses as listed below, take one of the following:
BADM 567 Process Management
TE 567 Venture Funded Startups (1 hr plus an additional business-related class for 1 or more hours)

Total Hours required for graduation 42

Other Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students can opt to take the PSM seminar series for 0 credit (pass/fail) or 1 credit hour (letter grade). Credit hours for these courses do not apply towards either the 32 science hours or 10 business course hours required for the degree. Other requirements may overlap</td>
<td></td>
</tr>
<tr>
<td>The PSM concentration is required. Minimum 500-level Hours Required Overall: 12</td>
<td></td>
</tr>
<tr>
<td>Students must enroll full-time (12 or more hours) in the fall and spring semesters</td>
<td></td>
</tr>
</tbody>
</table>

Information listed in this catalog is current as of 02/2022
| Transfer credit from Illinois or other institutions is not permitted |  
| Minimum GPA: | 3.0 |