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
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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.

Other Requirements

Code | Title | Hours
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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: Applied Statistical Methods II
- CPSC 543: Appl. Multivariate Statistics
- CPSC 564: Molecular Marker Data Analyses
- 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

Information listed in this catalog is current as of 02/2021