

Deactivation Proposal

Date Submitted: 10/19/21 10:41 am

Viewing: **1PKS5461MS : Plant**

Biotechnology, MS - PSM

Last approved: 10/16/20 9:09 am

Last edit: 12/15/21 1:30 pm

Changes proposed by: Adam Davis

[Plant Biotechnology, MS - Professional Science Master's](#)

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. U Program Review
2. 1802 Committee Chair
3. 1802 Head
4. KL Committee Chair
5. KL Dean
6. University Librarian
7. Grad_College
8. Provost
9. Senate EPC
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DMI

Approval Path

1. 10/19/21 1:41 pm
Deb Forgacs (dforgacs):
Approved for U Program Review
2. 10/19/21 1:55 pm
Lane Rayburn (arrayburn):
Approved for 1802 Committee Chair
3. 10/20/21 11:24 am
Adam Davis (asdavis1):
Approved for 1802 Head
4. 10/25/21 1:44 pm
Brianna Gregg (bjgray2):
Approved for KL Committee Chair

5. 11/02/21 9:57 am
Anna Ball (aball):
Approved for KL
Dean
6. 11/02/21 10:11
am
John Wilkin
(jpwilkin):
Approved for
University
Librarian
7. 11/10/21 2:46 pm
Allison McKinney
(agrindly):
Approved for
Grad_College
8. 11/10/21 3:21 pm
Kathy Martensen
(kmartens):
Approved for
Provost
9. 01/11/22 10:16
am
Barbara Lehman
(bjlehman):
Approved for
Senate EPC

History

1. Feb 20, 2019 by
Deb Forgacs
(dforgacs)
2. Jan 17, 2020 by
Deb Forgacs
(dforgacs)
3. Feb 26, 2020 by
Scott Bartlett
(sbartlet)
4. Oct 16, 2020 by
Kathy Martensen
(kmartens)

Major (ex. Special Education)

This proposal is
for a:

Revision

[Phase Down/Elimination](#)

Administration Details

Official Program Name Plant Biotechnology, MS - PSM

Sponsor College Agr, Consumer, & Env Sciences

Sponsor Department Crop Sciences

Sponsor Name Nathan Schroeder, Director of Graduate Programs

Sponsor Email nes@illinois.edu

College Contact Brianna Gregg

College Contact
Email

bjgray2@illinois.edu

College Budget
Officer

College Budget
Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. *Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.*

[Dept. Head](#)

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term Fall 2022

Provide a brief, concise description (not justification) of your proposal.

We propose to phasedown and eliminate the PSM in Plant Biotechnology.

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

We do not have enough students participating in the program to be worth the administrative effort. Enrollment numbers have been as follows: 2021: 0, 2020: 1, 2019: 1, 2018: 0, 2017: 0, 2016: 0, 2015: 3, 2014: 3. In contrast, enrollments to our online MS program have picked up quite a bit over the past few years, and this is where we are now putting our focus.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does this new program/proposed change result in the replacement of another program?

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

NA

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: <https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf>). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

[This program is not accepting applications for academic year\(s\)2022-2023. Students already admitted to the program will continue under the current requirements \(https://nextcourses.illinois.edu/graduate/aces/plant-biotechnology-ms-professional-science-masters/index.html#degreerequirementstext\).](https://nextcourses.illinois.edu/graduate/aces/plant-biotechnology-ms-professional-science-masters/index.html#degreerequirementstext)

Statement for Programs of Study Catalog

Course List

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	Course CPSC 542 Not Found	
CPSC 543	Appl. Multivariate Statistics	
CPSC 564	Course CPSC 564 Not Found	
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

Grad Other Degree Requirements

Requirement	Description
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	

Requirement	Description
The PSM concentration is required.	
Minimum 500-level Hours Required Overall:	12
Students must enroll full-time (12 or more hours) in the fall and spring semesters	
Transfer credit from Illinois or other institutions is not permitted	
Minimum GPA:	3.0

Corresponding Degree MS Master of Science

Program Features

Academic Level Graduate

Does this major have transcribed concentrations? No

What is the typical time to completion of this program?

What are the minimum Total Credit Hours required for this program?
42

What is the required GPA? 3.0

CIP Code 261201 - Biotechnology.

Is This a Teacher Certification Program?
No

Will specialized accreditation be sought for this program?
No

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Institutional Context

University of Illinois at Urbana-Champaign

Describe the historical and university context of the program's development. Include a short summary of any existing program(s) upon which this program will be built.

Explain the nature and degree of overlap with existing programs and, if such overlap exists, document consultation with the impacted program's home department(s).

University of Illinois

State of Illinois

Indicate which of the following goals of the Illinois Board of Higher Education's Strategic Initiative are supported by this program: (choose all that apply)

Describe how the proposed program supports these goals.

Admission Requirements

Desired Effective

Admissions Term

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

List the prerequisites including course titles and number of credit hours for each prerequisite course, and whether or not these prerequisites count in the total hours required for the minor.

Number of Students in Program (estimate)

Describe how this revision will impact enrollment and degrees awarded.

There has been very minimal enrollment in this program (<5 students in the past 5 years). We do not anticipate much of an impact on enrollment.

Year One Estimate

5th Year Estimate (or when fully implemented)

Estimated Annual Number of Degrees Awarded

Year One Estimate

5th Year Estimate (or when fully implemented)

What is the matriculation term for this program?
Fall

Budget

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

Will the unit need to seek campus or other external resources?

No

Attach letters of support

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Are you seeking a change in the tuition rate or differential for this program?

No

Is this program requesting self-supporting status?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

This phasedown will not affect faculty resources.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

This phasedown will not affect library resources.

EP Documentation

EP Control Number EP.22.057

Attach Rollback/Approval Notices [ep22057_email_from_sponsor_20211129.pdf](#)

This proposal requires HLC inquiry No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name MS:Plant Biotech PSM -UIUC

Program Code: 1PKS5461MS

Minor Code	Conc Code	Degree Code	MS	Major Code
5461				

Senate Approval
Date
Senate
Conference
Approval Date

BOT Approval
Date

IBHE Approval
Date

HLC Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer
Comments

From: [Amos, Jenny](#)
To: [Techtow, Kate E](#); [Gregg, Brianna J](#); [Davis, Adam S](#); [Schroeder, Nathan E](#); [Lehman, Barbara J](#)
Subject: Re: Plant Biotechnology, MS Phasedown
Date: Monday, November 29, 2021 4:12:12 PM
Attachments: [image001\[52\].png](#)
[image002.png](#)
[image003.png](#)

Thank you all!

I will have this information added to the CIM-P system for the record. We should get this approved and moving along at the next Ed Pol meeting.

Best,

JENNY AMOS, PHD (she/her)

Teaching Professor

Laura Hahn Faculty Scholar

Bioengineering | The Grainger College of Engineering
Biomedical and Translational Sciences | Carle Illinois College of Medicine
Health Sciences Engineering Center | Coordinated Sciences Laboratory
Educational Psychology | College of Education

217.333.4212 | jamos@illinois.edu
[LinkedIn](#) | [@jennyamos_uiuc](#)
publish.illinois.edu/jennyamoslab/

From: Techtow, Kate E <techtow@illinois.edu>
Date: Monday, November 29, 2021 at 4:08 PM
To: Gregg, Brianna J <bjgray2@illinois.edu>, Davis, Adam S <asdavis1@illinois.edu>, Schroeder, Nathan E <nes@illinois.edu>, Amos, Jenny <jamos@illinois.edu>
Subject: RE: Plant Biotechnology, MS Phasedown

Hi Brianna,

The MS in Plant Biotechnology did not appear on this year's APEER list of program sent to us by the System Office.

This program did appear on the 2018 and 2019 APEER report. In 2018, it looks like the department planned to phasedown the program and provided the corresponding status to IBHE, but in 2019, the status changed to "program transferred new department/college and redesignated effective FA 18; review planned in 5 years."

Best,
Kate

KATE TECHTOW

Coordinator for Assessment and Evaluation

Office of the Vice Chancellor for Academic Affairs and Provost
University of Illinois Urbana-Champaign
217.300.1913 | techtow@illinois.edu



Under the Illinois Freedom of Information Act any written communication to or from university employees regarding university business is a public record and may be subject to public disclosure.

From: Gregg, Brianna J <bjgray2@illinois.edu>
Sent: Monday, November 29, 2021 3:56 PM
To: Davis, Adam S <asdavis1@illinois.edu>; Schroeder, Nathan E <nes@illinois.edu>; Amos, Jenny <jamos@illinois.edu>
Cc: Techtow, Kate E <techtow@illinois.edu>
Subject: RE: Plant Biotechnology, MS Phasedown

Hi Kate Techtow-

Would you happen to know if the MS in Plant Biotechnology appeared on the graduate level APEER report?

Thanks-

Brianna

From: Davis, Adam S <asdavis1@illinois.edu>
Sent: Monday, November 29, 2021 3:50 PM
To: Schroeder, Nathan E <nes@illinois.edu>; Gregg, Brianna J <bjgray2@illinois.edu>; Amos, Jenny <jamos@illinois.edu>
Subject: RE: Plant Biotechnology, MS Phasedown

I'm in the same position as Nate, and haven't seen a grad studies APEER report.

ADAM DAVIS

Professor & Head

University of Illinois at Urbana-Champaign
College of Agricultural, Consumer and Environmental Sciences
Department of Crop Sciences
AW-115 Turner Hall | M/C 046

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217.333.9654 | asdavis1@illinois.edu
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From: Schroeder, Nathan E <nes@illinois.edu>
Sent: Monday, November 29, 2021 2:56 PM
To: Gregg, Brianna J <bjgray2@illinois.edu>; Amos, Jenny <jamos@illinois.edu>
Cc: Davis, Adam S <asdavis1@illinois.edu>
Subject: RE: Plant Biotechnology, MS Phasedown

Hi,

I am on sabbatical, but trying to keep up with grad program activities. I'm not even sure what an APEER report is, so don't think this program was mentioned on one.

-Nate

NATHAN E SCHROEDER

Associate Professor
Director of Graduate Studies
Department of Crop Sciences
N-531 Turner Hall | 1102 S. Goodwin Ave.
Urbana, IL 61801 | 217.244.6128 | nes@illinois.edu



From: Gregg, Brianna J <bjgray2@illinois.edu>
Sent: Monday, November 29, 2021 2:29 PM
To: Amos, Jenny <jamos@illinois.edu>; Schroeder, Nathan E <nes@illinois.edu>
Cc: Davis, Adam S <asdavis1@illinois.edu>
Subject: RE: Plant Biotechnology, MS Phasedown

Hi Dr. Amos-

I believe Dr. Schroeder is on sabbatical this semester, but I could be wrong. Either way, I've included Dr. Davis who would know if this came up on the APEER report this year. I only saw the undergraduate report for the college.

Thanks-

Brianna

From: Amos, Jenny <jamos@illinois.edu>
Sent: Monday, November 29, 2021 2:24 PM
To: Schroeder, Nathan E <nes@illinois.edu>; Gregg, Brianna J <bjgray2@illinois.edu>
Subject: Plant Biotechnology, MS Phasedown

I hope you are doing well!

I am the subcommittee chair in charge of leading your proposal through the review and approval process for the Education Policy Committee.

I wonder if you can tell me, given the low enrollment numbers, did the programs come up on the APEER report this or in recent years? If so, that is helpful to mention as a reason/need for deactivation.

Best,

JENNY AMOS, PHD (she/her)

Teaching Professor

Laura Hahn Faculty Scholar

Bioengineering | The Grainger College of Engineering
Biomedical and Translational Sciences | Carle Illinois College of Medicine
Health Sciences Engineering Center | Coordinated Sciences Laboratory
Educational Psychology | College of Education

Fellow | Biomedical Engineering Society (BMES)
Fellow | American Institute for Medical and Biological Engineers (AIMBE)

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I ILLINOIS

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