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

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<thead>
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<th>Proposal Type:</th>
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<tr>
<th>Catalog Pages</th>
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<tr>
<td>Using this Program</td>
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<th>Approval Path</th>
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<tbody>
<tr>
<td>1. 10/19/21 1:41 pm</td>
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<tr>
<td>Deb Forgacs (dforgacs):</td>
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<tr>
<td>Approved for U Program Review</td>
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<td>2. 10/19/21 1:55 pm</td>
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<td>Lane Rayburn (arayburn):</td>
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<td>Approved for 1802 Committee Chair</td>
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<td>3. 10/20/21 11:24 am</td>
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<tr>
<td>Adam Davis (asdavis1):</td>
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<td>Approved for 1802 Head</td>
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<td>4. 10/25/21 1:44 pm</td>
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<td>Brianna Gregg (bjgray2):</td>
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<td>Approved for KL Committee Chair</td>
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<td>1. U Program Review</td>
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<td>2. 1802 Committee Chair</td>
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<td>3. 1802 Head</td>
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<td>4. KL Committee Chair</td>
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<td>5. KL Dean</td>
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<td>6. University Librarian</td>
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<td>12. Board of Trustees</td>
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<td>13. IBHE</td>
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<td>14. HLC</td>
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<th>EP.22.057_FINAL Approved by EP 12/06/2021</th>
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Major (ex. Special Education)

This proposal is
for a:

Revision
Phase Down/Elimination

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)
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
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?

No

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
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).

Statement for Programs of Study Catalog

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CPSC 593</td>
<td>Adv Studies in Crop Sciences (8 max applied toward degree; optional and found in the Science Electives list)</td>
<td>1 to 8</td>
</tr>
<tr>
<td>CPSC 598</td>
<td>Seminar (Biotechnology section, 3 semesters)</td>
<td>3</td>
</tr>
</tbody>
</table>

Science electives selected in consultation with advisor:

- 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 Not Found
- CPSC 543 Appl. Multivariate Statistics
- 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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>Grad Other Degree Requirements</td>
<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>
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<tr>
<td>Requirement</td>
<td>Description</td>
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<tr>
<td>Corresponding Degree</td>
<td>MS Master of Science</td>
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<td>Program Features</td>
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<tr>
<td>Academic Level</td>
<td>Graduate</td>
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<tr>
<td>Does this major have transcripted concentrations?</td>
<td>No</td>
</tr>
<tr>
<td>What is the typical time to completion of this program?</td>
<td></td>
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<tr>
<td>What are the minimum Total Credit Hours required for this program?</td>
<td>42</td>
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<tr>
<td>What is the required GPA?</td>
<td>3.0</td>
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<tr>
<td>CIP Code</td>
<td>261201 - Biotechnology.</td>
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<tr>
<td>Is This a Teacher Certification Program?</td>
<td>No</td>
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<tr>
<td>Will specialized accreditation be sought for this program?</td>
<td>No</td>
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</tbody>
</table>

**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?<br>**Fall**

**Budget**

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?<br>**No**

Additional Budget Information<br>Attach File(s)

**Financial Resources**

How does the unit intend to financially support this proposal?<br>

Will the unit need to seek campus or other external resources?<br>**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?<br>**No**

Is this program requesting self-supporting status?<br>**No**

**Resource Implications**

**Facilities**

Will the program require new or additional facilities or significant improvements to already existing facilities?<br>**No**

**Technology**

Will the program need additional technology beyond what is currently available for the unit?<br>**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
5461

Conc Code
Degree Code
MS Code
Major Code
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

Key: 495
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/
Hi Kate Techtow-

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

Thanks-

Brianna

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

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From: Gregg, Brianna J <bgray2@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 <bgray2@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 came 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)

3242 Everitt Lab
1406 W. Green | MC 278
Urbana, IL 61801
217.333.4212 | jamos@illinois.edu
LinkedIn | @jennyamos_uic
publish.illinois.edu/jennyamoslab/
https://bioengineering.illinois.edu/
https://medicine.illinois.edu/

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