Senate committees are authorized to act for and in the name of the Senate on minor matters. Below is a listing of the administrative approvals the Senate Committee on Educational Policy approved at its meeting on February 3, 2020. Additional information for each approval is attached.

A. **Graduate Programs**

1) **Plant Biotechnology, MS – PSM** – Update course list, remove deactivated course (HORT 466)
Date Submitted: 01/17/20 4:13 pm

Viewing: **1PKS5461MS : Plant Biotechnology, MS - PSM**

Last approved: 01/17/20 11:47 am

Last edit: 01/30/20 2:30 am

Changes proposed by: Scott Bartlett

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. DMI

Approval Path

1. 01/17/20 4:30 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review

2. 01/19/20 12:34 pm
   Lane Rayburn (arayburn):
   Approved for 1802 Committee Chair

3. 01/19/20 3:23 pm
   Adam Davis (asdavis1):
   Approved for 1802 Head

4. 01/21/20 11:11 am
   Anthony Yannarell (acyann):
Proposal Type

Proposal Type:
  Major (ex. Special Education)

This proposal is for a:
  Revision

Proposal Title:

History
1. Feb 20, 2019 by Deb Forgacs (dforgacs)
2. Jan 17, 2020 by Deb Forgacs (dforgacs)

Approved for KL Committee Chair
5. 01/21/20 11:36 am
   Anna Ball (aball):
   Approved for KL Dean

6. 01/21/20 12:21 pm
   John Wilkin (jpwilkin):
   Approved for University Librarian

7. 01/27/20 1:29 pm
   Allison McKinney (agrindly):
   Approved for Grad_College

8. 01/28/20 5:21 pm
   Kathy Martensen (kmartens):
   Approved for Provost
if this proposal is one piece of a multi-element change please include the other impacted programs here. example: A BS revision with multiple concentration revisions

**Administrative approval: Update course list, remove deactivated course (HORT 466).** Admin migration of College and Dept change—ep 18.51

EP Control Number: EP.20.106_original EP.18.51

Official Program Name: Plant Biotechnology, MS - PSM

Effective Catalog Term: Fall 2020

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

Program Description and Justification

Justification for proposal change:

**Update course list, remove deactivated course (HORT 466).** Admin migration of College and Dept change—ep 18.51

 Corresponding Degree: MS Master of Science

Is this program interdisciplinary?

No

Academic Level: Graduate

Will you admit to the concentration directly?

Is a concentration required for graduation?

CIP Code: 260399 - Botany/Plant Biology, Other.
Is This a Teacher Certification Program?  
No  
Will specialized accreditation be sought for this program?  
No

Admission Requirements  
Desired 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  
Describe how this revision will impact enrollment and degrees awarded.  

N/A

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

Delivery Method  
Is this program available on campus and online?  
No

This program is available:  
On Campus
Budget

Are there budgetary implications for this revision?
No

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

Additional Budget Information

Attach File(s)

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

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.

N/A

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.

N/A

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

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

Will an existing tuition rate be used or continue to be used for this program?

Yes

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).

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.

Revised programs Attach a side-by-side comparison with the existing program AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text

Catalog Page Text: Description of program for the catalog page. This is not official content, it is used to help build the catalog pages for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<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 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
- HORT 466 Course HORT 466 Not Found
**Code** | **Title** | **Hours**
---|---|---
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 |  
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

1 For additional details and requirements refer to the department's graduate handbook and the Graduate College Handbook.

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**EP Documentation**

Attach  
Rollback/Approval  
Notices

**DMI Documentation**

Attach Final  
Approval Notices

**Banner/Codebook**

Name  
MS:Plant Biotech PSM -UIUC

Program Code: 1PKS5461MS

<table>
<thead>
<tr>
<th>Minor Code</th>
<th>Conc Code</th>
<th>Degree Code</th>
<th>MS Code</th>
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</table>

https://nextcourses.illinois.edu/programadmin/
<table>
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<tr>
<th>Major Code</th>
<th>5461</th>
</tr>
</thead>
</table>

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

Effective Date:

Justification for this request:

Attached Document

Program Reviewer Comments

**Kathy Martensen (kmartens)** *(01/28/20 5:14 pm):* Admin approval: No change to total required hours, does not limit options for students.