10KL0035BS: CROP SCIENCES: PLANT BIOTECHNOLOGY AND MOLECULAR BIOLOGY, BS

In Workflow
1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. 1802 Committee Chair (arayburn@illinois.edu)
3. 1802 Head (asdavis1@illinois.edu)
4. KL Committee Chair (bjgray2@illinois.edu)
5. KL Dean (aball@illinois.edu)
6. University Librarian (jpwilkin@illinois.edu)
7. Provost (kmartens@illinois.edu)
8. Senate EPC (bjlehman@illinois.edu; kmartens@illinois.edu; moorhouz@illinois.edu)
9. Senate (jtempel@illinois.edu)
10. U Senate Conf (none)
11. Board of Trustees (none)
12. IBHE (none)
13. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

Approval Path
1. Thu, 04 Jun 2020 18:14:55 GMT
   Deb Forgacs (dforgacs): Approved for U Program Review
2. Fri, 14 Aug 2020 21:04:19 GMT
   Lane Rayburn (arayburn): Approved for 1802 Committee Chair
3. Fri, 14 Aug 2020 21:09:06 GMT
   Adam Davis (asdavis1): Approved for 1802 Head
4. Fri, 04 Sep 2020 20:17:04 GMT
   Brianna Gregg (bjgray2): Approved for KL Committee Chair
5. Tue, 08 Sep 2020 15:28:26 GMT
   Anna Ball (aball): Approved for KL Dean
6. Tue, 08 Sep 2020 16:40:34 GMT
   John Wilkin (jpwilkin): Approved for University Librarian
7. Tue, 08 Sep 2020 18:57:24 GMT
   Kathy Martensen (kmartens): Approved for Provost

History
1. Jun 10, 2019 by Deb Forgacs (dforgacs)

Deactivation Proposal
Date Submitted: Wed, 03 Jun 2020 20:49:57 GMT

Viewing: 10KL0035BS : Crop Sciences: Plant Biotechnology and Molecular Biology, BS
Changes proposed by: Scott Bartlett

Proposal Type

Proposal Type:
Concentration (ex. Dietetics)

This proposal is for a:
Phase Down/Elimination
Proposal Title:

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*

We wish to phase out this concentration since it will be replaced by the new Plant Biotechnology major (Key: 896).

**EP Control Number**

EP.21.011

**Official Program Name**

Crop Sciences: Plant Biotechnology and Molecular Biology, BS

**Effective Catalog Term**

Fall 2021

**Sponsor College**

Agr, Consumer, & Env Sciences

**Sponsor Department**

Crop Sciences

**Sponsor Name**

A. Lane Rayburn

**Sponsor Email**

arayburn@illinois.edu

**College Contact**

Brianna Gregg

**College Contact Email**

bjgray2@illinois.edu

**Program Description and Justification**

Justification for proposal change:

We wish to phase out this concentration since it will be replaced by the new Plant Biotechnology major.
Is this program interdisciplinary?
No

Corresponding Program(s):

<table>
<thead>
<tr>
<th>Corresponding Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crop Sciences, BS</td>
</tr>
</tbody>
</table>

Academic Level
Undergraduate

Is This a Teacher Certification Program?
No

Will specialized accreditation be sought for this program?
No

Enrollment
Describe how this revision will impact enrollment and degrees awarded.
Phase down (0).

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
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.

The faculty will be moving to the new Plant Biotechnology major.

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.

No impact.

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**

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

N/A

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.

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

Statement for Programs of Study Catalog
### Prescribed Courses including Campus General Education

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Composition I and Speech</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>RHET 105 Writing and Research</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>or equivalent - see College Composition I requirement (3 or 4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CMN 101 Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Advanced Composition</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select from campus approved list.</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td><strong>Cultural Studies</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td><strong>Foreign Language</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coursework at or above the third level is required for graduation.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Quantitative Reasoning I</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>4-5</td>
</tr>
<tr>
<td></td>
<td>MATH 220 Calculus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 221 Calculus I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 234 Calculus for Business I</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Quantitative Reasoning II</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CPSC 241 Intro to Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Natural Sciences and Technology</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Specific Concentration Requirements</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Humanities and the Arts</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select from campus approved list</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>Social and Behavioral Sciences</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACE 100 Introduction to Applied Microeconomics¹</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>or ECON 102 Microeconomic Principles</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select from campus approved list</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td><strong>ACES required</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACES 101 Contemporary Issues in ACES</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Required Concentration</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Concentration prescribed courses. See specific concentration requirements.</td>
<td>58-79</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>126</strong></td>
</tr>
</tbody>
</table>

### Code

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Natural Sciences and Technology</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHEM 102 General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>&amp; CHEM 103 and General Chemistry Lab I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHEM 104 General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>&amp; CHEM 105 and General Chemistry Lab II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IB 150 Organismal &amp; Evolutionary Biol</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Plant Biotechnology and Molecular Biology Concentration Required</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHEM 232 Elementary Organic Chemistry I</td>
<td>3 or 4</td>
</tr>
<tr>
<td></td>
<td>CHEM 233 Elementary Organic Chem Lab I</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>CPSC 112 Introduction to Crop Sciences</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CPSC 261 Biotechnology in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CPSC 265 Genetic Engineering Lab</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CPSC 352 Plant Genetics</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CPSC 484 Plant Physiology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CPSC 498 Crop Sci Professional Develpmt</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MCB 450 Introductory Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select two of the following:</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>CPSC 226 Introduction to Weed Science</td>
<td></td>
</tr>
</tbody>
</table>
Select two of the following: 6-8

- CPSC 270: Applied Entomology
- PLPA 204: Introductory Plant Pathology

Select one of the following: 3-4

- CPSC 418: Crop Growth and Management
- CPSC 452: Advanced Plant Genetics
- CPSC 453: Principles of Plant Breeding
- CPSC 466: Genomics for Plant Improvement
- HORT 421: Horticultural Physiology
- HORT 442: Plant Nutrition
- HORT 466: Course HORT 466 Not Found

Three courses/groups selected from: 10-15

- IB 103: Introduction to Plant Biology
- IB 104: Animal Biology
- MCB 100: Introductory Microbiology
  & MCB 101: and Intro Microbiology Laboratory
- MCB 150: Molec & Cellular Basis of Life
  & MCB 151: and Molec & Cellular Laboratory

Total ACES prescribed and elective courses must total 35 hours, of which 20 must be completed in residence. 35

1 ACE 100 or ECON 102 are not required for the Biological Sciences Concentration.

EP Documentation

DMI Documentation

Banner/Codebook Name

BS:CSci-P Biotech&Mol Bio -UIUC

Program Code:

10KL0035BS

Conc Code

0035

Degree Code

BS

Major Code

0030
Key: 764