

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

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## In Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. 1802 Committee Chair (arrayburn@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 (arrayburn): 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):**

**Corresponding Program(s)**

Crop Sciences, BS

**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 "chosed-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

Code	Title	Hours
<b>Composition I and Speech</b>		
RHET 105	Writing and Research	4
or equivalent - see College Composition I requirement (3 or 4)		
CMN 101	Public Speaking	3
<b>Advanced Composition</b>		
Select from campus approved list.		3-4
<b>Cultural Studies</b>		
Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.		9
<b>Foreign Language</b>		
Coursework at or above the third level is required for graduation.		
<b>Quantitative Reasoning I</b>		
Select one of the following:		4-5
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	
<b>Quantitative Reasoning II</b>		
CPSC 241	Intro to Applied Statistics	3
<b>Natural Sciences and Technology</b>		
See Specific Concentration Requirements		
<b>Humanities and the Arts</b>		
Select from campus approved list		6
<b>Social and Behavioral Sciences</b>		
ACE 100	Introduction to Applied Microeconomics <sup>1</sup>	3-4
or ECON 102      Microeconomic Principles		
Select from campus approved list.		3-4
<b>ACES required</b>		
ACES 101	Contemporary Issues in ACES	2
<b>Required Concentration</b>		58-79
Concentration prescribed courses. See specific concentration requirements.		
<b>Total Hours</b>		126
Code	Title	Hours
<b>Natural Sciences and Technology</b>		
CHEM 102 & CHEM 103	General Chemistry I and General Chemistry Lab I	4
CHEM 104 & CHEM 105	General Chemistry II and General Chemistry Lab II	4
IB 150	Organismal & Evolutionary Biol	4
<b>Plant Biotechnology and Molecular Biology Concentration Required</b>		
CHEM 232	Elementary Organic Chemistry I	3 or 4
CHEM 233	Elementary Organic Chem Lab I	2
CPSC 112	Introduction to Crop Sciences	4
CPSC 261	Biotechnology in Agriculture	3
CPSC 265	Genetic Engineering Lab	3
CPSC 352	Plant Genetics	4
CPSC 484	Plant Physiology	3
CPSC 498	Crop Sci Professional Developmt	1
MCB 450	Introductory Biochemistry	3
Select two of the following:		6
CPSC 226	Introduction to Weed Science	

CPSC 270	Applied Entomology	
PLPA 204	Introductory Plant Pathology	
Select two of the following:		6-8
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	
Select one of the following:		3-4
ANSC 100	Intro to Animal Sciences	
FSHN 101	The Science of Food and How it Relates to You	
HORT 100	Introduction to Horticulture	
NRES 102	Introduction to NRES	
TSM 100	Technical Systems in Agr	
Three courses/groups selected from:		10-15
IB 103	Introduction to Plant Biology	
IB 104	Animal Biology	
MCB 100 & MCB 101	Introductory Microbiology and Intro Microbiology Laboratory	
MCB 150 & MCB 151	Molec & Cellular Basis of Life and Molec & Cellular Laboratory	
Total ACES prescribed and elective courses must total 35 hours, of which 20 must be completed in residence.		35

<sup>1</sup> ACE 100 or ECON 102 are not required for the Biological Sciences Concentration.

## EP Documentation

## DMI Documentation

### Banner/Codebook Name

BS:CSci-P Biotch&Mol Bio -UIUC

### Program Code:

10KL0035BS

### Conc Code

0035

### Degree Code

BS

### Major Code

0030

Key: 764