

New Proposal

Date Submitted: 08/23/19 4:06 pm

Viewing: **: JP: Crop Sciences BS/MS**

Last edit: 10/18/19 1:44 pm

Changes proposed by: Brianna Gregg

In Workflow

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

Approval Path

1. 08/26/19 9:01 am
Deb Forgacs
(dforgacs):
Approved for U
Program Review
2. 08/26/19 10:18
am
Adam Davis
(asdavis1):
Approved for 1802
Head
3. 08/26/19 11:02
am
Anthony Yannarell
(acyann):
Approved for KL
Committee Chair
4. 08/29/19 1:20 pm
Anna Ball (aball):
Approved for KL
Dean
5. 08/29/19 1:20 pm
John Wilkin

(jpwilkin):
 Approved for
 University
 Librarian

6. 09/19/19 9:51 am
 Allison McKinney

(agrindly):
 Approved for
 Grad_College

7. 09/19/19 10:32
 am
 Kathy Martensen

(kmartens):
 Approved for
 Provost

Proposal Type

Proposal Type:

Joint Program (ex. Master of Public Health & PhD. in Community Health)

Proposal Title

Establish joint program in the Department of Crop Sciences for the BS/MS

Official Program Name JP: Crop Sciences BS/MS

Banner/Codebook Name

Program Code:

Major Code	Minor Code	Conc Code	Degree Code
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EP Control Number	EP.20.19_revision1
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Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval

Date

Effective Date:

Effective Catalog Term Fall 2020

Sponsor College Agr, Consumer, & Env Sciences

Sponsor Department Crop Sciences

Sponsor Name Nathan Schroeder
nes@illinois.edu

Sponsor Email

College Contact Brianna Gregg

bjgray2@illinois.eduCollege Contact
EmailAcademic Level Graduate
Undergraduate

Program Description and Justification

Provide a **brief** description and justification of the program, including highlights of the program objectives, and the careers, occupations, or further educational opportunities for which the program will prepare graduates, when appropriate.

The Department of Crop Sciences requests two new joint degree programs: 1) a Bachelor of Science in Crop Sciences and non-thesis Master of Science in Crop Sciences and 2) a Bachelor of Science in Computer Science and Crop Sciences and non-thesis Master of Science in Crop Sciences. Students enrolled in the joint programs will obtain both degrees following the completion of 146 hours, which is the sum of 126 required to complete the B.S. degree and 32 hours to complete the M.S. degree, minus 12 of those hours which will be applied to both degrees. The benefit of the program will be in allowing students to concurrently receive a B.S. and a non-thesis M.S. in Crop Sciences over a period of five years. The program is targeted toward students interested in obtaining graduate training to work in crop production, biotechnology, or other related fields .

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

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).

This is an existing program.

University of Illinois

Briefly describe how this program will support the University's mission, focus and/or current priorities. Demonstrate the program's consistency with and centrality to that mission.

This is an existing program.

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)

Educational Attainment - increase educational attainment to match the best-performing states.
High Quality Credentials to Meet Economic Demand - Increase the number of high-quality post-secondary credentials to meet the demands of the economy and an increasingly global society.

Describe how the proposed program supports these goals.

This is an existing program.

Enrollment

Number of Students in Program (estimate)

Year One Estimate	5	5th Year Estimate (or when fully implemented)
20		

Estimated Annual Number of Degrees Awarded

Year One Estimate	0	5th Year Estimate (or when fully implemented)
10		

Delivery Method

This program is available:

Face-to-Face and Online

Describe the use of this delivery method:

Budget

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.

The overall impact on faculty resources is expected to be minimal. Courses currently offered by Crop Sciences are sufficient to satisfy proposed program requirements, and capacity in these courses exists to accommodate the additional students this program offering is anticipated to generate. Thus, no new courses or additional sections of existing courses would be needed at this time. A subset of faculty will serve as advisors for the program as part of their teaching requirement.

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.

See Appendix C.

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?

This proposal is building on programs that already exist within the department, including an established non-thesis M.S. option, so no additional costs are expected. Upon formal acceptance into the graduate program, students will be assessed graduate student tuition.

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

Market Demand

What market indicators are driving this proposal? If similar programs exist in the state, describe how this program offers a unique opportunity for students:

This is an existing program.

What type of employment outlook should these graduates expect? Explain how the program will meet the needs of regional and state employers, including any state agencies, industries, research centers, or other educational institutions that expressly encourage the program's development.

This is an existing program.

What resources will be provided to assist students with job placement?

This is an existing program.

If letters of support are available attach them here:

[ACESLetterofSupportBSMSCPSC.pdf](#)

Program Regulation

Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable.

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.

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.

For new programs, attach Program of Study

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.

The five-year joint B.S.-M.S. program in Crop Sciences combines a B.S. in Crop Sciences with a non-thesis M.S. in Crop Sciences or a B.S. in Computer Science and Crop Sciences with a nonthesis M.S. in Crop Sciences. Current University of Illinois at Urbana-Champaign undergraduate students enrolled in the Department of Crop Sciences who have completed between 60 and 96 credit hours, maintain superior academic performance are eligible to apply for this program. Students admitted to the program will receive both degrees once all requirements for the B.S.-M.S. program are completed.

Statement for Programs of Study Catalog

for the Crop Sciences, BS

Prescribed Courses including Campus General Education

Course List

Code	Title	Hours
	Composition I and Speech	
RHET 105	Writing and Research	4
	or equivalent - see College Composition I requirement (3 or 4)	
CMN 101	Public Speaking	3
	Advanced Composition	
	Select from campus approved list.	3-4
	Cultural Studies	
	Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.	9
	Foreign Language	
	Coursework at or above the third level is required for graduation.	
	Quantitative Reasoning I	
	Select one of the following:	4-5
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	
	Quantitative Reasoning II	
CPSC 241	Intro to Applied Statistics	3
	Natural Sciences and Technology	
	See Specific Concentration Requirements	
	Humanities and the Arts	
	Select from campus approved list	6
	Social and Behavioral Sciences	
ACE 100	Introduction to Applied Microeconomics 1	3-4
or ECON 102	Microeconomic Principles	
	Select from campus approved list.	3-4

Code	Title	Hours
ACES required		
ACES 101	Contemporary Issues in ACES	2
Required Concentration		58-79
Concentration prescribed courses. See specific concentration requirements. 2		
Total Hours		126
1 ACE 100 or ECON 102 are not required for the Biological Sciences Concentration.		
2 Required concentration 58-79 hours.		

For the Crop Sciences, MS Non-Thesis Option

Course List

Code	Title	Hours
CPSC 594	Professional Orientation CPSC	1
CPSC 598	Seminar (when presenting)	1
Electives including at least 4 hours of graded coursework at the 500 level other than CPSC 599		30
Total Hours 1		32

Other Requirements

Grad Other Degree Requirements Single Column

Requirement

Other requirements and conditions may overlap

Minimum Hours Required Within the Unit: 1

Minimum 500-level Hours Required overall: 12

Minimum GPA: 3.0

1Twelve (12) hours of graduate level concentration electives in the BS requirements will overlap with 12 hours of electives required for the MS requirements.

EP Documentation

Attach

Rollback/Approval

Notices

DMI Documentation

Attach Final

Approval Notices

Attached

Document

Justification for
this request

Program Reviewer
Comments

Appendix B:



COLLEGE OF AGRICULTURAL, CONSUMER AND ENVIRONMENTAL SCIENCES

Academic Programs
128 Mumford Hall, MC-710
1301 W. Gregory Drive
Urbana, IL 61801

January 8, 2019

To Whom It May Concern:

This letter serves as a support document for the proposal to create two joint B.S./M.S. programs in the Department of Crop Sciences in the College of Agricultural, Consumer and Environmental Sciences (ACES). The Department of Crop Sciences is not requesting any additional funding from the College of ACES to implement this proposal. The bachelors and masters programs already exist, and have capacity to handle the number of students expected to enroll. If there are any questions, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'David Rosch', with a long horizontal flourish extending to the right.

David Rosch
Associate Dean