

Brothers, Sheila C.

From: Cramer, Aaron M.
Sent: Thursday, April 16, 2020 12:48 PM
To: Bird-Pollan, Jennifer; Brothers, Sheila C.; Ett-Mims, Joanie; Woolery, Stephanie L.
Cc: Durham, Richard; Agouridis, Carmen; McNear, David H.
Subject: SIGNIFICANT CHANGE BSHPs: Plant and Soil Science
Attachments: Horticulture, Plant and Soil Science BS-change_toSAPC.pdf

Proposed Significant Change to BSHPs: Plant and Soil Science

This is a recommendation that the University Senate approve the significant change to the BSHPs: Plant and Soil Science, in Department of Plant and Soil Sciences (Horticulture) within the College of Agriculture, Food and Environment.

Rationale: The proposed changes are associated with the decision to move the Horticulture, Plant and Science undergraduate program from the Department of Plant and Soil Science to the Department of Horticulture. The change includes renaming the program to Horticultural Science, focusing the coursework on horticultural plant science and production and management, and reducing the number of tracks from four to two: Horticulture and Plant Science and Horticultural Plant Production and Management.

Aaron

Aaron M. Cramer
Kentucky Utilities Associate Professor of Electrical and Computer Engineering
Director of Graduate Studies, Electrical Engineering
Chair, Senate Academic Programs Committee
University of Kentucky
859-257-9113
aaron.cramer@uky.edu

CHANGE UNDERGRADUATE DEGREE PROGRAM

PLEASE NOTE: To ensure that a series of changes to an existing degree program does not essentially create a new program, the Southern Association for the Accreditation of Colleges and Schools (SACS) requires submission of its Substantive Change Checklist for every program change. Prior to college-level review, you must fill out and submit the [SACS Substantive Change Checklist](#) to the Office of Institutional Effectiveness. Contact Institutional Effectiveness (OSPIE@uky.edu) for assistance.

Once approved at the college level, your college will send the proposal to the appropriate Senate academic council (HCCC and/or UC) for review and approval. Once approved at the academic council level, the academic council will send your proposal to the Senate Council office for additional review and then a 10-day posting online, during which senators review on their own and have an option to register an objection if they so desire. If no objection is raised to the Senate Council Office within ten days of the posting the proposal, then the program change is approved. The Senate Council

For every proposed change, you MUST also include the existing requirement.

SUMMARY OF CHANGES

Check all that apply.

<input checked="" type="checkbox"/> Courses	<input checked="" type="checkbox"/> Program name	Total required credit hours	Student learning outcomes	
Criteria for admissions/progression/termination		Certificate assessment	Other	
1. General Information				
1a	Date of contact with Institutional Effectiveness (IE) ¹ :		02/19/19	
	<input checked="" type="checkbox"/> Appended to the end of this form is a PDF of the reply from Institutional Effectiveness.			
1b	College ² :	College of Agriculture, Food and Environment	Department ² :	Department of Plant and Soil Sciences
1c	CIP code ³ :	01.1102	Today's Date:	10/01/2018
1d	Current major name: (Biology, Design, etc.)	Plant and Soil Science	Proposed major name:	Horticultural Science
1e	Current Degree (BA, BFA, etc.):	BS Horticulture Plant and Soil Science (BSHPS)	Proposed degree:	BS Horticultural Science
1f	Will there be any changes regarding a track(s) for the program?			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1g	Accrediting agency, if applicable:	none		
1h	Date of most recent periodic program review for this degree:	2017		

¹ Prior to college-level review, you must fill out and submit the SACS Substantive Change Checklist to the Office of Institutional Effectiveness. You can reach Institutional Effectiveness by phone or email (257-1962 or OSPIE@uky.edu).

² It is not possible to change the home academic unit of a degree program via this form. To change the home unit, visit <https://www.uky.edu/universitysenate/forms> and look for the heading, "Forms Related to Academic Organizational Structure."

³ The CIP code is provided by Institutional Effectiveness. If a different CIP code is necessary, the program may undergo a review similar to the new program approval process.

CHANGE UNDERGRADUATE DEGREE PROGRAM

1i	Requested effective date:	<input checked="" type="checkbox"/> Fall semester following approval.	OR	<input type="checkbox"/> Specific Date ⁴ : <i>Fall 20</i>
1j	Contact person name:	Robert Geneve	Phone / Email:	257-8610 / rgeneve@uky.edu

2. Overview of Changes

2a	Describe the rationale for the changes, including results from the most recent program review if applicable. (450 word limit)		
	<p>The Horticulture, Plant and Soil Science (HPLS) undergraduate program has been a joint program between the Departments of Horticulture and Plant and Soil Science. In spring of 2018, Following the recent program review, the Department of Plant and Soil Science indicated that they would no longer formerly participate in the HPLS program. The Department of Horticulture would like to take this opportunity to propose a major program change that will focus on opportunities related to horticultural plant science as well as production and management. The proposed new name for the program will be Horticultural Science (HRT) and the proposed prefix for courses taught by Department of Horticulture faculty will change from PLS to HRT. Courses taught by the Department of Plant and Soil Science faculty will remain as PLS. These proposed changes will be coordinated with and approved by the DUS and Chair of the Department of Plant and Soil Science. In addition, the HRT program will have only two options/tracks (Horticulture and Plant Science & Horticultural Plant Production and Management) rather than the current four in HPLS.</p>		
2b	Use the fields below, as applicable, to identify the areas in which changes will be made.		
		Current	<i>Proposed</i>
i.	Credit Hours of Premajor Courses:	14	10-14
ii.	Credit Hours of Preprofessional Courses:		
iii.	Credit Hours of Major Core Course Requirements	30-33	31-34
iv.	Minimum Credit Hours of Guided Electives:	21	21
v.	Minimum Credit Hours of Free Electives:	1	1
vi.	Credit Hours for Track 1 (name): From-Horticulture Enterprise Management; To - Horticultural Plant Production and Management	23	21
vii.	Credit Hours for Track 2 (name): From- Crops, Soils and Horticulture Science To - Horticulture and Plant Science	18	21
viii.	Credit Hours for Track 3 (name):		
ix.	Credit Hours for Track 4 (name):		
x.	Credit Hours for Track 5 (name):		
xi.	Credit Hours for Required Minor:		
xii.	Total Credit Hours Required by Level:		
	100-level:	36-42	30-42
	200-level:	9-15	9-15
	300-level:	9-18	9-18
	400-level:	9-12	9-12
	500-level:	10-23	10-23
	TOTAL CREDIT HOURS REQUIRED FOR GRADUATION:	<u>120</u>	<u>120</u>
xv.	If the total hours required for graduation have changed, explain below. (150 word limit)		

⁸ Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

CHANGE UNDERGRADUATE DEGREE PROGRAM

⁴No program change(s) will be effective until all approvals are received.

2c	Will the requested change(s) result in the use of courses from another educational unit?	Yes <input checked="" type="checkbox"/>	No
If "Yes," describe generally the courses and how they will used.			
There would be no new courses required in the proposed program. The HRT program would continue to use the PLS courses previously required in the HPLS degree offered by the Department of Plant and Soil Science.			
If "Yes," two pieces of supporting documentation are required.			
<input checked="" type="checkbox"/> Check to confirm that appended to the end of this form is a letter of support from the appropriate chair/director ⁵ of each unit from which individual courses will be used.			
<input checked="" type="checkbox"/> Check to confirm that appended to the end of this form is verification that the chair/director of each affected unit has consent from the faculty members of the unit. This typically takes the form of meeting minutes.			

2d	Will the proposed change(s) affect an associated minor?	Yes	No <input checked="" type="checkbox"/>
If "Yes," the department must also submit a change form to change the minor.			

3. UK Core Courses

3a	Are there any proposed changes to the UK Core requirements for the program?(If "Yes," indicate and proceed to next question. If "No," indicate and proceed to 4a.)	Yes <input checked="" type="checkbox"/>	No
If "Yes," note the specific changes in the grid below.			

UK Core Area	Current Course	Current Credits	Proposed Course	Proposed Credits
I. Intellectual Inquiry				
Arts and Creativity				
Humanities				
Social Sciences				
Natural/Physical/Mathematical	CHE 105/111	5	PLS 104	3
II. Composition and Communication				
Composition and Communication I				
Composition and Communication II				
III. Quantitative Reasoning				
Quantitative Foundations				
Statistical Inferential Reasoning				
IV. Citizenship (one course in each area)				
Community, Culture & Citizenship in USA				
Global Dynamics				
Total UK Core Hours		<u>33</u>		<u>31</u>

3b	Provide the Bulletin language about UK Core.
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⁹Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

See the UK Core section of the Undergraduate Bulletin for complete UK Core requirements. The courses listed

below are (a) recommended by the college, or (b) required program courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

- I. Intellectual Inquiry in Arts and Creativity
Choose one course from University approved list.....3
- II. Intellectual Inquiry in the Humanities
Choose one course from University approved list.....3
- III. Intellectual Inquiry in Social Sciences
Recommended:
CLD 102 The Dynamics of Rural Social Life..... 3
- IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
PLS 104 Plants, Soils, and People: A Science Perspective 3
- V. Composition and Communication I
CIS/WRD 110 Composition and Communication.....3
- VI. Composition and Communication II
CIS/WRD 111 Composition and Communication.....3
- VII. Quantitative Foundations
MA 123 Elementary Calculus and Its Applications 4
- VIII. Statistical Inferential Reasoning
STA 210 Making Sense of Uncertainty.....3
or STA 296 Statistical Methods and Motivations3
- IX. Community, Culture and Citizenship in the USA
GEN 100 Issues in Agriculture, Food and Environment..... 3
- X. Global Dynamics
Choose one course from the University approved list.....3
- UK Core hours.....31

4. Graduation Composition and Communication Requirement

4a	Will the Graduation Composition and Communication requirement be changed? (If “Yes,” indicate and proceed to next question. If “No,” indicate and proceed to 5a.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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If “Yes,” note the specific changes below, including changes to credit hours.

If the course(s) used are from outside the home unit, one piece of supporting documentation is required.

Check to confirm that appended to the end of this form is a letter of support from the other units’ chair/director⁶ from which individual courses will be used.

	<input type="checkbox"/> Current	<i>Proposed</i>
i.	<input type="checkbox"/> Single course in home unit:	<i>Single course in home unit:</i>
ii.	<input type="checkbox"/> Multiple courses in home unit.	<i>Multiple courses in home unit.</i>
iii.	<input type="checkbox"/> Single course outside home unit.	<i>Single course outside home unit.</i>
iv.	<input type="checkbox"/> Multiple courses outside home unit.	<i>Multiple courses outside home unit.</i>
v.	<input type="checkbox"/> Course(s) inside & outside home unit.	<i>Course(s) inside & outside home unit.</i>

4b Provide the Bulletin language about GCCR below.

5. Other Course Changes

5a	Will the college-level requirements change? (If “Yes,” indicate and note the specific	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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¹⁰ Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not

CHANGE UNDERGRADUATE DEGREE PROGRAM

changes in the grid below. If "No," indicate and proceed to question 5c.)						
Current				Proposed		
<input type="checkbox"/> Standard college requirement				Standard college requirement		
<input type="checkbox"/> Specific course				Specific course		
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ⁷
						Select one....
						Select one....
						Select one....

5b	Will the existing language in the Bulletin about college-level requirements change?	Yes	No <input checked="" type="checkbox"/>
	If "Yes," provide the new language below.		

5c	Will the pre-major or pre-professional course requirements change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5e.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
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Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ⁸
CHE 105	4	General College Chemistry I	CHE 105	4	General College Chemistry I	No Change
CHE 107	3	General College Chemistry II	CHE 107	3	General College Chemistry II	No Change
CHE 111	1	Laboratory to Accompany General Chemistry I	CHE111	1	General Chemistry Lab I	No Change
CHE 113	2	Laboratory to Accompany General Chemistry II	CHE 113	2	General Chemistry Lab II	No Change
MA 123	4	Elementary Calculus	CHE 104	3	Introduction to General Chemistry	No Change
			CHE 108	3	Introduction to Inorganic, Organic and Biochemistry Without Lab	No Change
			MA 123	4	Elementary Calculus & Its Applications	No Change
			MA 113	4	Calculus I	No Change
			MA 137	4	Calculus I with Life Science Applications	No Change

¹¹ Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not

CHANGE UNDERGRADUATE DEGREE PROGRAM

5d	Provide the Bulletin language about pre-major or pre-professional courses below.
	<p>Premajor Requirements Hours</p> <p>Calculus (complete one)</p> <p>MA 123 Elementary Calculus and Its Applications.....4</p> <p>Or MA 113 Calculus I..... 4</p> <p>Or MA 137 Calculus I with Life Sciences4</p> <p>Chemistry (complete one sequence)</p> <p>CHE 105 General College Chemistry I..... 4</p> <p>CHE 107 General College Chemistry II3</p> <p>CHE 111 General College Chemistry Lab I.....1</p> <p>CHE 113 General College Chemistry Lab I2</p> <p>Or</p> <p>*CHE 104 Introduction to General Chemistry.....3</p> <p>*CHE 108 Introduction to Inorganic, Organic and Biochemistry w/out Lab3</p> <p>Or</p> <p>*CHE 105 General College Chemistry I.....4</p> <p>*CHE 108 Intro to Inorganic, Organic and Biochemistry w/out..... 3</p> <p>* Sequence fulfills chemistry requirement for students in the Horticultural Plant Production and Management option only.</p> <p>Subtotal : Premajor hours10 to 14</p>

⁷ Use the drop-down list to indicate if the course is a new course (“new”), an existing course that will change (“change”), or if the course is an existing course that will not change (“no change”).

¹² Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not

CHANGE UNDERGRADUATE DEGREE PROGRAM

5e	Will the major's core course requirements change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5g.)					Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If "Yes," note the specific changes in the grid below.							
Current			Proposed				
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ⁹	
PLS 104	3	Plants, Soils, and People	PLS 100	1	Introduction to Horticultural Professions	No Change	
PLS 210	3	The Life Processes of Plants	PLS 104	3	Plants, Soils, and People	No Change	
Bio 148 Bio 152	6	Introductory Biology I and II	PLS 210	3	The Life Processes of Plants	No Change	
PLS 220	3	Introduction to Plant Identification	Bio 148 Bio 152	6	Introductory Biology I and II	No Change	
PLS 366	4	Fundamentals of Soil Science	PLS 220	3	Introduction to Plant Identification	No Change	
PLS 386	4	Plant Production Systems	PLS 366	4	Fundamentals of Soil Science	No Change	
PLS 399	3	Experiential Learning in PLS	PLS 386	4	Plant Production Systems	No Change	
PLS 404	3	Integrated Weed Management	PLS 399	3	Experiential Learning in PLS	No Change	
PLS 470G	3	Soil Nutrition Management	PLS 404	3	Integrated Weed Management	No Change	
PLS 490	3	Topics in Plant and Soil Science	PLS 440	3	Plant Propagation	No Change	
			PLS 490	3	Topics in Plant and Soil Science	No Change	
			PLS 395	3	Special Problems in Plant & Soil Science	No Change	
						Select one....	
						Select one....	
						Select one....	
5f	Provide the Bulletin language for major core course requirements.						
	<p>Students choose between the Horticultural Science option and the Horticultural Plant Production and Management option. All students take the same Major Core requirements listed below, but each option has a separate section of PLS 490 Topics in Plant and Soil Science.</p> <p>Major Requirements</p> <p>PLS 100 Introduction to Horticultural Professions 1</p> <p>PLS 104 Plants, Soils, and People: A Science Perspective 3</p> <p>PLS 210 The Life Processes of Plants..... 3</p> <p>or</p> <p>*Bio 148 and Bio 152 Introductory Biology I and Principles of Biology II 6</p>						

⁹ Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

CHANGE UNDERGRADUATE DEGREE PROGRAM

PLS 220 Introduction to Plant Identification.....3 PLS 366 Fundamentals of Soil Science4 PLS 386 Plant Production Systems..... 4 PLS 395 Special Problems in Plant and Soil Science OR PLS 399 Experiential Learning in Plant and Soil Science 3 PLS 404 Integrated Weed Management.....4 PLS 440 Plant Propagation 3 PLS 490 Topics in Plant and Soil Science..... 3 * Students in the Horticulture and Plant Science option take Bio 148/152 Subtotal : Major hours 31 to 34	<input type="checkbox"/>
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5g Will the guided electives change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5i.) Yes No

Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ¹⁰
CHE 226	3	Analytical Chemistry	ENT 320	3	Horticultural Entomology	No Change
CHE 230	3	Organic Chemistry I	PPA 400G	3	Principles of Plant Pathology	No Change
CHE 236	3	Survey of Organic Chemistry	CHE 236	3	Survey of Organic Chemistry	No Change
			CHE 230	3	Organic Chemistry I	No Change
			CHE 226	3	Analytical Chemistry	No Change
STA 296	3	Statistical Methods	STA 296	3	Statistical Methods	No Change
						Select one....
						Select one....

5h Provide the Bulletin language for guided electives.

Students choose guided electives based on chosen option (Horticulture and Plant Science OR Horticultural Plant Production and Management).

Select 21 hours of PLS courses with consent of advisor for option
 Subtotal: Option hours.....21

Specialty Support Requirement
Horticulture and Plant Science option:
 CHE 236 Survey of Organic Chemistry
 or
 CHE 230 Organic Chemistry I
 or
 CHE 226 Analytical Chemistry3
 STA 296 Statistical Methods and Motivations..... 3
 Additional courses in BIO, CHE, PPA, ENT, FOR or consent of advisor 15
 Subtotal for Specialty Support 21

Horticultural Plant Production and Management option:

ENT 320 Horticultural Entomology 3
 PPA 400G Principles Plant Pathology..... 3
 Additional courses in SAG, AEC, ECO, ACC, ENT or consent of advisor 15
 Subtotal for Specialty Support..... 21

5i Will the free electives change? (If "Yes," indicate and note the specific changes in the space below. If "No," indicate and proceed to question 5j.)

Yes

No

5j Does the proposed change affect any track(s)? (If "Yes," note the specific changes using the grid below. If "No," proceed to question 6.)

Yes

No

If more than one track is affected, click [HERE](#) for a template. Append a PDF for each affected track to the end of this form.

Track Name:		Crops and Livestock & Turfgrass Science to be deleted	New Track		Changed Track	Deleted Track
Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ¹¹
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....

5k Provide the Bulletin language for the track.

6. Semester by Semester Program

List below the typical semester-by-semester program for the major. If multiple tracks are available, click [HERE](#) for a template for additional tracks and append a PDF of each track's courses to the end of this form.

YEAR 1 – FALL: (e.g. "BIO 103; 3 credits")		YEAR 1 – SPRING:	
YEAR 2 - FALL :		YEAR 2 – SPRING:	
YEAR 3 - FALL:		YEAR 3 - SPRING:	

CHANGE UNDERGRADUATE DEGREE PROGRAM

YEAR 4 - FALL:		YEAR 4 - SPRING:	
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7. Approvals/Reviews

Information below does not supersede the requirement for individual letters of support from educational unit administrators and verification of faculty support (typically takes the form of meeting minutes).

In addition to the information below, attach documentation of department and college approval. This typically takes the form of meeting minutes but may also be an email from the unit head reporting department- and college-level votes.

	Reviewing Group Name	Date Approved	Contact Person Name/Phone/Email
7a	(Within College)		
	Horticulture Department	9/28/18	Mark Williams/7-2638/Mark.Williams@uky.edu
	Undergraduate Curriculum Committee, CAFE	1/25/19	Larry J. Grabau/7-3468/lgrabau@uky.edu
			/ /
			/ /

7b	(Collaborating and/or Affected Units)		
	Plant and Soil Sciences Department	9/18/18	Rebecca McCulley/7-6388/Rebecca.McCulley@uky.edu
			/ /
			/ /
			/ /
			/ /

7c	(Senate Academic Council)	Date Approved	Contact Person Name
	Health Care Colleges Council (if applicable)		
	Undergraduate Council	3/5/19	Joanie Ett-Mims

TEMPLATE FOR ADDITIONAL TRACKS, *SEMESTER-BY-SEMESTER PROGRAM OF STUDY*
PROPOSAL TO CHANGE UNDERGRADUATE DEGREE PROGRAM

6. Semester by Semester Program

List below the typical semester-by-semester program of study, e.g. "GWS 200; 3 credits," for a track in the program. Convert this addendum to a PDF and append to the end of the PROPOSAL TO CHANGE UNDERGRADUATE DEGREE PROGRAM form.

Track Name: **Horticulture and Plant Science option**

YEAR 1 - FALL:	<u>CIS/WRD 110 Comp & Comm I</u> 3 <u>GEN 100 Current Issues in Ag, Food & Env</u> 3 <u>MA 123 Elementary Calculus</u> 4 <u>CHE 105 General Chemistry II</u> 4 <u>CHE 111 General Chem Lab I</u> 1 <u>PLS 100 Intro to Hort Professions</u> 1 <u>Total 16</u>	YEAR 1 - SPRING:	<u>CIS/WRD 111 Comp & Comm II</u> 3 <u>CLD 102 Dynamics of Rural Social Life</u> 3 <u>PLS 104 Plants, Soils & People: A Science Perspective</u> 3 <u>BIO 148 Principles of Biology</u> 3 <u>UK Core Humanities</u> 3 <u>Total 15 hr</u>
YEAR 2 - FALL :	<u>BIO 152 Principles of Biology II</u> 3 <u>PLS 220 Intro to Plant Identification</u> 3 <u>PLS 386 Plant Production Systems</u> 4 <u>STA 296 Statistical Methods and Motivations</u> 3 <u>UK Core Global Dynamics</u> 3 <u>Total 16 hr</u>	YEAR 2 - SPRING:	<u>CHE 107 General Chemistry II</u> 3 <u>CHE 113 General Chem Lab II</u> 2 <u>PLS 366 Fundamentals of Soil Science</u> 4 <u>UK Core Arts & Creativity</u> 3 <u>Specialty Support</u> 3 <u>Total 15 hr</u>
YEAR 3 - FALL:	<u>PLS Course (rec-PLS 210 Life Processes of Plants)</u> 3 <u>PLS Course</u> 3 <u>CHE 236 Survey of Organic Chem</u> 3 <u>Specialty Support</u> 3 <u>Elective</u> 3 <u>Total 15 hr</u>	YEAR 3 - SPRING:	<u>PLS 440 Plant Propagation</u> 3 <u>PLS Course</u> 3 <u>PLS Course</u> 3 <u>Specialty Support</u> 3 <u>Specialty Support</u> 3 <u>Total 15 hr</u>
YEAR 4 - FALL:	<u>PLS 399 Experiential Learning in PLS</u> 3 <u>PLS 490 Topics in PLS</u> 3 <u>Specialty Support</u> 3 <u>Specialty Support</u> 3 <u>Elective</u> 3 <u>Total 15 hr</u>	YEAR 4 - SPRING:	<u>PLS 404 Integrated Weed Management</u> 4 <u>PLS Course</u> 3 <u>PLS course</u> 3 <u>PLS course</u> 3 <u>Total 13 hr</u>

**TEMPLATE FOR ADDITIONAL TRACKS, SEMESTER-BY-SEMESTER PROGRAM OF STUDY
PROPOSAL TO CHANGE UNDERGRADUATE DEGREE PROGRAM**

Track Name: <u>Horticultural Plant Production and Management option</u>			
YEAR 1 - FALL:	<u>CIS/WRD 110 Comp & Comm I 3</u> <u>GEN 100 Current Issues in Ag, Food & Env 3</u> <u>MA 123 Elementary Calculus 4</u> <u>PLS 100 Intro to Hort Professions 1</u> <u>UK Core Arts & Creativity 3</u> <u>Total 14</u>	YEAR 1 - SPRING:	<u>CIS/WRD 111 Comp & Comm II 3</u> <u>STA 210 Intro to Stat Reasoning 3</u> <u>PLS 104 Plants, Soils & People: A Science Perspective 3</u> <u>UK Core Humanities 3</u> <u>CLD 102 Dynamics of Rural Social Life 3</u> <u>Total 15 hr</u>
YEAR 2 - FALL :	<u>CHE 104Intro General Chemistry 3</u> <u>PLS 210 Life Processes of Plants 3</u> <u>PLS 220 Intro to Plant Identification 3</u> <u>PLS 386 Plant Production Systems 4</u> <u>Specialty Support 3</u> <u>Total 16 hr</u>	YEAR 2 - SPRING:	<u>CHE 108Intro Inorganic, Organic Chemistry 3</u> <u>PLS 366 Fundamentals of Soil Science 4</u> <u>PLS Course 3</u> <u>PLS Course 3</u> <u>UK Core Global Dynamics 3</u> <u>Total 16 hr</u>
YEAR 3 - FALL:	<u>PLS Course 3</u> <u>PLS Course 3</u> <u>Specialty Support 3</u> <u>ENT 320 3</u> <u>Electives 3</u> <u>Total 15 hr</u>	YEAR 3 - SPRING:	<u>PLS 440 Plant Propagation 3</u> <u>PLS course –(rec:PLS 520 Fruit & Vegetable Production 4)</u> <u>PLS Course 3</u> <u>Specialty Support 3</u> <u>Specialty Support 3</u> <u>Total 16 hr</u>
YEAR 4 - FALL:	<u>PLS 399 Experiential Learning in PLS 3</u> <u>PLS 490 Topics in PLS 3</u> <u>PPA 400G Principles of Plant Pathology 3</u> <u>Specialty Support 3</u> <u>Electives 3</u> <u>Total 15 hr</u>	YEAR 4 - SPRING:	<u>PLS 404 Integrated Weed Management 4</u> <u>PLS course - 3</u> <u>Electives 3</u> <u>Electives 3</u> <u>Total 13 hr</u>

Track Name: _____			
YEAR 1 - FALL:	_____	YEAR 1 - SPRING:	_____
YEAR 2 - FALL :	_____	YEAR 2 - SPRING:	_____
YEAR 3 - FALL:	_____	YEAR 3 - SPRING:	_____
YEAR 4 - FALL:	_____	YEAR 4 - SPRING:	_____

Track Name: _____			
YEAR 1 - FALL:	_____	YEAR 1 - SPRING:	_____
YEAR 2 - FALL :	_____	YEAR 2 - SPRING:	_____
YEAR 3 - FALL:	_____	YEAR 3 - SPRING:	_____

TEMPLATE FOR ADDITIONAL TRACKS, *SEMESTER-BY-SEMESTER PROGRAM OF STUDY*
PROPOSAL TO CHANGE *UNDERGRADUATE DEGREE PROGRAM*

YEAR 4 - FALL:	_____	YEAR 4 - SPRING:	_____

Brothers, Sheila C.

From: Testa, Stephen
Sent: Wednesday, February 19, 2020 7:26 PM
To: Durham, Richard
Subject: RE: Use of CHE 104 and 108 in program curriculum

Hi Rick,

Thanks for the email. Yes, the Department of Chemistry is agreeable to the change whereby some of your majors will be given the option to take CHE 104/CHE 108 in lieu of the CHE 105/107/111/113 sequence. Please let us know if you need anything else.

Best wishes for smooth program revision,
Stephen

Director of Undergraduate Studies
Associate Professor
Department of Chemistry
University of Kentucky
859-257-7076

From: Durham, Richard <Rick.Durham@uky.edu>
Sent: Wednesday, February 19, 2020 4:57 PM
To: Testa, Stephen <testa@email.uky.edu>
Subject: Use of CHE 104 and 108 in program curriculum

Dear Dr. Testa:

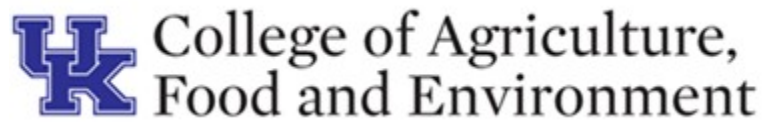
I am the DUS in Horticulture. Our current major requires CHE 105, 107, 111 and 113. We generally have between 10-15 students each year or about 40-50 in the major. We are currently doing a program revision and our students will choose one of two options, a science-focused option (Horticulture and Plant Science) and a production option (Horticultural Plant Production and Management). We would like the production option students to have the option of taking CHE 104 and 108 as apposed the four CHE courses listed previously, the CHE requirement for the science-based option would not change. We anticipate that once approved, there would be 10 or so students each year that would enroll in CHE 104 and 108.

Is the use of CHE 104 and 108 agreeable to your department?

Thanks you,
Rick Durham

Richard E. Durham, Ph.D.
Extension Professor
Coordinator, Kentucky Extension Master Gardener Program
Director of Undergraduate Studies

Department of Horticulture
N-318 Agriculture Science Center
University of Kentucky
Lexington, KY 40546-0091
Phone: 859.257.3249, mobile/text: 859.457.0717





UNIVERSITY
OF KENTUCKY

College of Agriculture, Food and
Environment

*Mark A. Williams, Ph.D.,
Professor and Chair*
DEPARTMENT OF HORTICULTURE
N-318-F Agricultural Science Building-North
Lexington, Kentucky 40546-0091
Office: (859) 257-1758 Fax: (859) 257-2859
e-mail: mark.williams@uky.edu

September 28, 2018

Dear Curriculum Review Committee,

This letter is in support of the major program change to the Plant and Soil Science (PLS) undergraduate program. The proposed change will move control of the program that was jointly administered by the Departments of Horticulture and Plant and Soil Science, to the Department of Horticulture alone. The new program name will be Horticultural Science (HRT).

The Department of Horticulture was notified of the withdrawal of the Department Plant and Soil Science from the PLS program in January, 2018. Approval of the change to a new HRT undergraduate program was adopted by a unanimous vote (16:0) of the faculty of the Department of Horticulture at the January faculty meeting and reaffirmed by e-mail consensus in August, 2018. This included the adoption of the new program name and the changes to the major tracks detailed in the new HRT program proposal.

Our department is excited to move forward with this new program and the educational and employment opportunities it will create for our students.

Sincerely,

A handwritten signature in cursive script that reads "Mark Williams".

Mark Williams
Professor and Departmental Chair
Department of Horticulture



University of Kentucky

Dr. Rebecca L. McCulley
Professor & Chair

Dept. of Plant & Soil Sciences
Plant Science Bldg, Rm 106
Lexington, KY 40546-0312

P: 859-257-6388

F: 859-323-1952

www.mcculleylab.org

Date: September 18, 2018

To: Bob Geneve
Director of Undergraduate Studies, HPLS

Dear Bob,

As you requested, I am writing this letter to provide evidence that the faculty in my Department (Plant & Soil Sciences; PSS) decided to pull out of formal 'co-ownership' of the HPLS undergraduate degree program in January 2018. Please see the highlighted section of the PSS January faculty meeting notes (attached). We remain committed to teaching HPLS students in our relevant classes.

We appreciate that you shared with us the proposed changes to the HPLS degree program and associated eventual course prefix alterations before submitting for official approval. Further, we are grateful that the Horticulture faculty were willing to accommodate a few requests we made – specifically, removing 'Plant' from the degree title, agreeing to have Soil Fertility be a recommended course, and leaving the PLS minor as it is, for the time being.

We hope the HPLS degree is able to change as needed to best serve the relevant students and the Horticulture Department.

Sincerely,

A handwritten signature in black ink that reads "Rebecca L. McCulley".

Rebecca L. McCulley,
Professor & Chair
Department of Plant & Soil Sciences

ENT 320

Palli, Subba

Mon 3/4/2019 9:29 AM

To: Geneve, Robert <rgeneve@uky.edu>


Cc: Potter, Daniel <dapotter@uky.edu>; Haynes, Kenneth <khaynes@email.uky.edu>

Dr. Geneve,

Regarding the recent program change proposal for Horticulture, Plant and Soil Science (HPLS) to become the Horticultural Science degree program, the Department of Entomology would like to affirm their approval for the proposed change to make ENT 320 - Horticulture Entomology, a required specialty support course in the new program. ENT 320 has been a suggested specialty support course in the current HPLS program for students with an emphasis in Horticulture and with the proposed contraction in the program to include only Horticulture options; we understand the inclusion of ENT 320 as a program requirement. The current instructor of ENT 320, Dr. Dan Potter is in agreement with the proposed change.

Best,

Reddy

 UK-email.ai

Subba Reddy Palli

University Research Professor and Chair

Department of Entomology

College of Agriculture, Food and Environment

S225 Ag. Science N. University of Kentucky

Lexington, KY 40546

Phone: 859 257 4962 Fax: 859 323 1120

FACULTY MEETING - January 12, 2018

Minutes taken by Elisa D'Angelo

Good news

- Hannah P., new soil nutrient management faculty, starting in March
- Christopher Shepard, new pedology faculty, starting in July
- Two awards from Office of VP Research
 - New ICP-OES for elemental analysis, located in Ag. Sci. Chemical Analysis Lab
 - New tractor, located in Princeton
- AFRI grant awarded to Carrie Knot, emphasis on student training in agronomy
- FFAR Pollinator Health Fund grant to Erin Haramoto
- New Tekrony travel fellowships available to graduate seed science students.

Departmental Review Recommendations by External Committee

- Overall positive review, but there were 9 recommendations by the external review committee, which department needs to accept or reject...if accept, then we need to develop implementation plan and timeline...we can also add additional recommendations
- Recommendation 1 from external committee: consider a new vision/direction for the undergraduate HPLS program, due to decreasing student numbers over the last three review periods (15-20 years), despite increasing recruitment activities.
 - Options: (i) keep the program or (ii) withdraw the program, offer individualized programs similar to the Modern Agricultural Crop Production program (MACP), and renew vision of the major
 - Chair and most faculty indicated preference for option ii because, by unleashing Horticulture, we could have greater flexibility in revamping the curriculum. Also, we would not have to worry about meeting student number requirements. On the downside, Bod Pearce indicated that student marketability in job market could be adversely affected by participating in an "individualized program"
 - Jason Unrine indicated that even if a large percentage of agronomy students from regional universities came to UK, we still would not meet number requirements.
 - McNear also liked option ii, as it would allow us to reinvent the program, for example, by engaging in stakeholders in curriculum development. He also indicated that we should increase student numbers by recruiting outside KY. He also emphasized that a new PLS program should be more interdisciplinary, like the NRES program.
 - Chad Lee indicated that successful agronomy programs at regional universities have several things in common...a full-time/engaged/faculty recruiter, an active club, extensive research partnerships with companies on university farms and with students.

- Elisa indicated that a PLS committee would greatly benefit from the insights of members of the agronomy extension group, who have more experiences with agronomy companies and farmer issues that would benefit PLS students.
- Recommendation 2: enhance scientific collaborations and transformative ideas by facilitating faculty interactions
 - Jason Unrine suggested that ad hoc working groups be established and meet on a regular basis to develop bigger proposals.
 - Rebecca (chair) suggested that a faculty retreat could be beneficial (similar to one held when Mike Barrett was chair).
 - Another idea was to hold farm tours for new faculty, or any other interested faculty. Chad indicated that he was in favor that this.
- Recommendation 3: Develop a management plan for the North Farm that would allow better access to research plots, equipment, and help from personnel.
 - Rebecca suggested that we create a committee to explore different management options.
 - Bob Pearce indicated the committee really needs to be effective, and that is a lot of room for improvement.
- Recommendation 4: Increase staff opportunities for professional development
 - It was suggested that faculty be encouraged to support staff attendance at scientific conferences.
 - It was suggested that a departmental staff travel award might be set up, similar to the \$1000 award offered at the College level...a web link with a description of the opportunity was provided.
- Recommendation 5: Offer online courses for extension agents to earn graduate degrees
 - It was suggested that interested faculty contact Larry Grabau and Josh McGrath, who are working this.
- Recommendation 6 was a duplicate of another recommendation
- Recommendation 7: Improve procedural transparency and committee structure
 - Rebecca indicated that she will work on this
- Recommendation 8: Evaluate space/equipment needs for programs and develop long-term strategy for improvements.
 - Will continue to do this.
 - Jason Unrine suggested that we routinely prioritize needs and submit proposals to VPR program in collaboration with other colleges and departments to increase likelihood of success.
 - David Hildebrand suggested that faculty work more closely with USDA scientist/labs located in Ag. Sci. Building.
- Recommendation 9: Work with Office of Philanthropy and Alumni to develop specific goals
 - Will do.
- Recommendation 10: consult with current and past graduate students on ways to improve graduate experiences.

- Some ideas from graduate students made during external review: change name of IPSS (which is too general, not a good reflection of degree, and not very marketable), make sure the diploma specifies the specific option areas (e.g. soils, etc), update the graduate student handbook (some courses in current book have not been offered in a long while), improve planning and scheduling of courses, offer more courses during Spring semesters.
- Conduct a review of the IPSS program
- Dave McNear reiterated that a review should be conducted, emphasis areas on diplomas would be beneficial, and if that was not possible, to prepare our own certificates on high quality paper.
- Chris Matocha suggested that more hands on and field oriented courses would be beneficial.
- Jason Unrine suggested that faculty should engage graduate students in curriculum development
- Josh McGrath suggested that graduate students should be members of the advisory committee.
- Erin Haramoto suggested that faculty should be members of grad student meetings.
- Departmental Office changes
 - Maggie accepted Human resource position, previously held by Sawyer.
 - Vicki Pendleton is the new Travel person, previously held by Maggie
 - Budget Officer position has been upgraded and will be advertised until Jan. 22
 - Departmental Manager (Associate Chair staff position) will be advertised until Jan 15.
 - A detailed departmental staff organization chart was shown. Two main groups overseen by (i) Budget officer (Grants, Procard, Travel, and HR) and (ii) Dept. Manager (Special Event Planning, Mail/Printer)
- Policy changes
 - Can now use grant funds to pay for faculty and student memberships to professional organizations.
 - New web-based digital measures performance review program...performance reviews for all faculty due in Oct.
 - Suggest that faculty get acquainted with the digital measures system early...two training sessions offered by Megan on March 27 (am), and April 11 (afternoon).
 - Suggest making stronger Narrative Statements in the Digital Measures entry.
 - Change in procard paper work...separate line item vouchers for hotel, airline, and other travel expenses must be signed.
 - It was also suggested that faculty make appointments with office staff about arrival of new students and staff, rather than dropping by.
 - Equity in assigning departmental assistantships...the priority system works as follows:
 1. Provide assistantships to assistant professors
 2. Provide assistantships to programs with matching funds, esp. Lyman Johnson Minority Fellowships

3. Provide assistantships to faculty that have not had a departmental assistantship in many years.

Rebecca indicated that the system was pretty unpredictable and hard to implement. Dave McNear stated that he trusted the chair and it was good to have a malleable system. Todd indicated students with departmental funded assistantships must serve as Teaching Assistantships for two semesters (without compensation), and students with grant-funded assistantships were not required to serve as TAs, but if they did, were compensated with \$1000 each semester.

From: noreply@qualtrics-survey.com
To: [Grabau, Larry](#)
Subject: Substantive Change Decision
Date: Tuesday, February 19, 2019 9:22:45 AM

Dear Larry J. Grabau,

Thank you for your email regarding the proposed program change(s) to **Horticulture, Plant and Soil Science, Bachelor's (01.1102)**.

My email will serve 2 purposes: 1.) Next steps for SACSCOC, and 2.) Verification and notification that you have contacted OSPIE—a Senate requirement for proposal approval.

1. **Next steps for SACSCOC:** None required
2. **Verification that OSPIE has reviewed the proposal:** Based on the proposal documentation presented and Substantive Change Checklist, the proposed program changes (refer to list below) are not substantive changes as defined by the University or SACSCOC, the university's regional accreditor. Therefore, no additional information is required by the Office of Strategic Planning & Institutional Effectiveness at this time. The proposed program change(s) may move forward in accordance with college and university-level approval processes.

Description of Proposed Change(s):

· i) The name of the degree is being changed from a BS in Horticulture, Plant and Soil Science to a BS in Horticultural Science. ii) The name of the major is being changed from Plant and Soil Science to Horticultural Science. iii) Previously, there were four options. The Horticultural Enterprise Management option is being renamed to the Horticultural Plant Production and Management (HPPM) option. The Crop, Soil & Horticulture Science option is being renamed to the Horticulture & Plant Science option. Both the Crops & Livestock and Turfgrass Science options are being dropped due to severely limited student enrollments. iv) The HPPM option only will accept three different CHE series: CHE 105/107/111/113 or CHE 104/108 or CHE 105/108. v) Calculus options for all students will expand from MA 123 only to MA 123 or 113 or 137. vi) The major core will remain the same except PLS 100 and PLS 440 will be added and PLS 470G will be removed. vii) The guided elective roster for the HPPM option will now include ENT 320, PPA 400G and 15 credits in ACC, AEC, ECO, ENT, or SAG. The previous guided elective roster was simply a choice of 21 credits with consent of advisor. viii) The guided elective roster for the HPS option will now include CHE 226, 230 or 236; STA 296; and 15 credits from BIO, CHE, ENT, FOR, and PPA. The previous guided elective roster included the above CHE options and STA course; in addition, a range of specifically listed or advisor approved science courses from BIO, CHE, EES, PHY, or other prefixes were also accepted.

Should you have questions or concerns about UK's substantive change policy and its procedures, please do not hesitate contacting our office.

Office of Strategic Planning & Institutional Effectiveness

University of Kentucky

Visit the Institutional Effectiveness Website: <http://www.uky.edu/ie>