UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN SENATE
COMMITTEE ON EDUCATIONAL POLICY
(Final; Information)

EP.24.023   Report of Administrative Approvals through October 9, 2023

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 October 9, 2023. For each program listing, there is no change to the total hours required. Additional information for each approval is attached.

A. <u>Graduate Programs</u>
   1) **Revise the Joint Program in the Bachelor of Science in Agricultural & Consumer Economics and the Master of Agricultural & Applied Economics in Agricultural & Applied Economics in the College of Agricultural, Consumer, & Environmental Sciences and the Graduate College** – fixes math error in the concentration credit range in the BS portion of the degree.

B. <u>Undergraduate Programs</u>
   1) **Revise the Bachelor of Science in Agricultural & Consumer Economics in the College of Agricultural, Consumer, & Environmental Sciences** - removes deactivated course from major international course options and fixes math error in concentration credit range.
   2) **Revise the concentration in Public Policy and Law in the Bachelor of Science in Agricultural & Consumer Economics in the College of Agricultural, Consumer, & Environmental Sciences** – removes deactivated course from major international course options and brings core requirements for major into this CIM P record for transparency.
   3) **Revise the concentration in Policy, International Trade and Development in the Bachelor of Science in Agricultural & Consumer Economics in the College of Agricultural, Consumer, & Environmental Sciences** - removes deactivated course from major international course options and brings core requirements for major into this CIM P record for transparency.
   4) **Revise the Undergraduate Minor in Art History in the College of Fine and Applied Arts –** removes deactivated courses and courses no longer desired to be in the minor, eliminates duplication of cross listed coursework, eliminates section of elective coursework, adds additional course options, clarifies advanced distinct hours, and reorganizes course limitations from other universities and from school of architecture.
   5) **Revise the Bachelor of Science in Bioengineering in the Grainger College of Engineering** – moves two courses in a track from required to optional courses.
   6) **Revise the concentration in Art Undeclared in the College of Fine and Applied Arts** – clarifies that only BFASA Studio Art has specific concentration requirements in first-year curriculum requirements of Art Undeclared.
   7) **Revise the Undergraduate Minor in Recreation, Sport and Tourism in the College of Applied Health Sciences** – adds several courses to the elective list and removes one course from elective list.

8) **Revise the Bachelor of Science in Nuclear, Plasma, and Radiological Engineering in the Grainger College of Engineering** – updates Program of Study table to include names and links to concentrations, as well as adds upper-division coursework statement for increased transparency.

9) **Revise the concentration in Power, Safety, and the Environment in the Bachelor of Science in Nuclear, Plasma, and Radiological Engineering in the Grainger College of Engineering** – removes deactivated course and adding major coursework into table for increased transparency.

Program Change Request

Date Submitted: 08/28/23 9:34 am

Viewing: **10KL5869BS &**
1PKS5869MAAE : JP: Agricultural &
Consumer Economics, BS and
Agricultural & Applied Economics,
MAAE

Last approved: 04/07/23 8:47 am

Last edit: 09/28/23 7:59 am

Changes proposed by: Brianna Gregg

Catalog Pages Using this Program	Agricultural & Consumer Economics, BS and Agricultural & Applied Economics, MAAE

Proposal Type:

Approval Path

1. 08/30/23 3:45 pm
   Donna Butler
   (dbutler):
   Approved for U
   Program Review
2. 09/06/23 4:03 pm
   Bryan Endres
   (bendres):
   Approved for 1470
   Committee Chair
3. 09/06/23 9:26 pm
   Sarah Low
   (salow2):
   Approved for 1470
   Head
4. 09/07/23 8:56 am
   Brianna Gregg
   (bjgray2):
   Approved for KL

Committee Chair
5. 09/07/23 11:56 am
   Anna Ball (aball): Approved for KL Dean
6. 09/11/23 7:43 pm
   Claire Stewart (clairest): Approved for University Librarian
7. 09/22/23 4:17 pm
   Allison McKinney (agrindly): Approved for Grad_College
8. 09/23/23 10:57 pm
   Suzanne Lee (suzannel): Approved for COTE Programs
9. 09/27/23 3:31 pm
   Brooke Newell (bsnewell): Approved for Provost

History

1. Nov 21, 2019 by Brianna Gregg (bjgray2)
2. May 1, 2020 by Craig Gundersen (cggunder)
3. Feb 3, 2022 by Deb Forgacs (dforgacs)
4. Apr 7, 2023 by Brianna Gregg (bjgray2)

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

This proposal is for a:
  Revision

Administration Details

Official Program Name	JP: Agricultural & Consumer Economics, BS and Agricultural & Applied Economics, MAAE
Diploma Title	Bachelor of Science in Agricultural and Consumer Economics and Master of Agricultural and Applied Economics
Sponsor College	Agr, Consumer, & Env Sciences
Sponsor Department	Agricultural and Consumer Economics
Sponsor Name	Nick Paulson
Sponsor Email	npaulson@illinois.edu
College Contact	Anna Dilger Ball
College Contact Email	adilger2@illinois.edu aball@illinois.edu
College Budget Officer	
College Budget Officer Email	

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
No

Proposal Title

Effective Catalog Term	Spring 2024

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Revise the Joint Program in the Bachelor of Science in Agricultural & Consumer Economics and the Master of Agricultural & Applied Economics in Agricultural & Applied Economics in the College of Agricultural, Consumer, & Environmental Sciences and the Graduate College

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

This BS/MAAE proposal (key 886) is related to the concentration in the major of Policy International Trade and Development (key 600), major of Agricultural Consumer Economics (key 74) and concentration in the major of Public Policy and Law (key 595).

Program Justification

Provide a brief description of what changes are being made to the program.

Fixing math error in the concentration credit range in the BS portion of the degree program - no change in total hours but instead a mistake correction.

Did the program content change 25% or more in relation to the total credit hours, since the 2020-2021 catalog. (http://catalog.illinois.edu/archivedacademiccatalogs/2020-2021/)

No

Why are these changes necessary?

Fixing math error in curriculum to match the BS in Ag Consumer Economics.

40 hour upper division/advanced course requirement:

ACE 300 - 3 hours
ACE 341 - 1 hour
International course - 3 hours
33 hours selected from ACE concentration courses, or free electives.

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 outside of the sponsoring department impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

Bachelor of Science LOAs:

1. ACE students will acquire broad and deep knowledge of Agricultural and Consumer Economics.

1. ACE students will develop a critical and reflective orientation toward global systems (such as natural, environmental, social, cultural, economic, and political) and cultural differences (such as race, indigeneity, gender, class, sexuality, language, and disability).

2. ACE students will develop critical thinking and problem solving skills.

3. ACE students will develop their ability to communicate in a variety of settings.

4. ACE students will build and sustain productive relationships to be effective leaders who can respond to civic and social challenges at local, national, and global levels, creating positive change in their communities.

MAAE LOAs:

1. Develop a knowledge base in, and demonstrate an understanding of how to use, microeconomic concepts to set up and analyze economic problems.

2. Develop mastery of quantitative methods which can be used to analyze and address economic problems.

3. Understand features of agriculture and natural resources (e.g., inherent risk, institutions, unique government policies, and cultural importance of food) that make them unique for applications of economic principles and methods.

4. Gain experience in applying skills developed in the program in a real-world professional setting.

5. Practice highest levels of professional conduct (e.g., in professional activities take responsibility, be accountable, show integrity, have strong ethics, and respect diversity).

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program
Description and
Requirements
Attach Documents

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/PublicAdminRules2017.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.

Revised programs   ACE_MAAE_BS_Sample Sequence_sidebyside_8_28_2023.xlsx

Attach a revised Sample Sequence (for undergraduate program) or college-level forms.

Catalog Page Text - Overview Tab

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

Six hours of upper level electives will count jointly in the BS and MAAE program.

Statement for Programs of Study Catalog

BS Program Component
Prescribed Core Courses including Campus General Education

Minimum hours for graduation is 126, to include a minimum of 40 hours of upper-division coursework generally at the 300- and 400-level. These hours can be drawn from all elements of the degree.

Course List

Code	Title	Hours
Composition I and Speech		
Requirement to be satisfied in the first year		
RHET 105	Writing and Research	7
& CMN 101	and Public Speaking (or equivalent (see College Composition I requirement))	
Advanced Composition		
Students are encouraged to complete this requirement prior to the seventh semester.		
Select from campus-approved Advanced Composition list		
Foreign Language		
Coursework at or above the third level is required for graduation.		
Quantitative Reasoning I		
Select one of:		7-8
MATH 124	Finite Mathematics	
MATH 231	Calculus II	
Select one of:		
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	
Quantitative Reasoning II		6
ACE 262	Applied Statistical Methods and Data Analytics I	
ACE 264	Applied Statistical Methods & Data Analytics 2	
Humanities and the Arts		

Code	Title	Hours
Selected from campus approved list.		6
Natural Sciences and Technology		
Selected from campus approved list.		6
Social and Behavioral Sciences		
Selected from campus approved list.		6
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
ACES Prescribed		
ACES 101	Contemporary Issues in ACES (for freshmen only)	2
Department Requirements		
Minimum Hours in the College of ACES of which 20 must be in the Department of ACE		35
Minimum of two 400-level courses in ACE		6
ACE 100	Introduction to Applied Microeconomics	4
ACE 161	Microcomputer Applications	3
or CS 105	Intro Computing: Non-Tech	
ACE 300	Intermediate Applied Microeconomics	3
ACE 341	Issues&Careers in Applied Econ	1 or 2
ACCY 201	Accounting and Accountancy I	3
ECON 103	Macroeconomic Principles	3
At least 3 hours of credit for study abroad or one international course selected from:		3-4
ACE 435	Global Agribusiness Management	
ACE 436	International Business Immersion	
ACE 451	Agriculture in Intl Dev	
ACE 452	The Latin American Economies	
ACE 455	International Trade in Food and Agriculture	
Required Concentration		15-29
Concentration prescribed courses. See specific requirements for the concentration listed below.		
Agri-Accounting		
Agribusiness Markets & Management		
Consumer Economics & Finance		
Environmental Economics & Policy		
Farm Management		
Finance in Agribusiness		
Financial Planning		
Policy, International Trade & Development		
Public Policy & Law		
Total Hours		126

Six hours of upper level electives will count jointly in the BS and Masters programs.

MAAE Component

Course List

Code	Title	Hours
Microeconomic Theory		
ACE 500	Applied Economic Theory	4
Quantitative Methods		

Code	Title	Hours
Applied Econometrics:		8
ACE 562	Applied Regression Models I	
ACE 564	Applied Regression Models II	
Other Quantitative methods:		
4 hours of approved graduate course work in quantitative methods		
Field of Specialization		
12 hours of approved graduate field courses		12
(Must include at least 4 total hours at the 500-level and 8 total hours in ACE		
Professional/Research Internship Requirement		
Select one of the following:		
ACE 592	Special Topics (Graduate Internship)	
ACE 591	Independent Study	
Total MAAE Component Hours		26
Total Joint Program Hours		152

Other Requirements

Course List

Code	Title	Hours
Other requirements may overlap		
A minimum of 20 hours of credit within the unit		
A minimum of 16 hours at the 500-level overall		

Program Relationships

Identify the
existing programs
to be joined:

Corresponding Program(s)
Agricultural & Consumer Economics, BS
Agricultural & Applied Economics, MAAE

Program Features

Academic Level	Undergraduate
	Graduate

What is the typical time to completion of this program?
5 years

What are the minimum Total Credit Hours required for this program?
152

What is the
required GPA?   3.0

Is This a Teacher Certification Program?
No

Will specialized accreditation be sought for this program?

No

Delivery Method

This program is
available:
   On Campus - Students are required to be on campus, they may take some online courses.

Admission Requirements

Desired Effective
Admissions Term

Is this revision a change to the admission status of the program?

   No

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.

   See attached.

Enrollment

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is
an elimination/phase down proposal include the plans for the students left in the program.
                  no impact

Estimated Annual Number of Degrees Awarded

Year One Estimate   See attached.   5th Year Estimate (or when   See attached.
                                                            fully implemented)

Budget

Are there   No
budgetary
implications for
this revision?

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

Additional Budget
Information

Attach File(s)

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

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base
Tuition, or Engineering Differential, or Social Work Online (no dollar amounts
necessary)

Are you seeking a change in the tuition rate or differential for this
program?

No

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size,
teaching loads, student-faculty ratios, etc.

no impact on faculty resources

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.

Library collections, resources and services are sufficient to support the correction of the
concentration hours ACE major curriculum.

EP Documentation

EP Control   EP.24.023
Number

Attach
Rollback/Approval
Notices

This proposal   No
requires HLC
inquiry

DMI Documentation

Attach Final
Approval Notices

Banner/Codebook Name						
Program Code:	10KL5869BS & 1PKS5869MAAE					
Minor Code		Conc Code	5869	Degree Code		Major Code

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

DOE Approval Date   NA

Effective Date:

Attached Document Justification for this request

Program Reviewer Comments   **Brooke Newell (bsnewell) (08/28/23 8:51 am):** Rollback: Requested revisions to Program Justification and Program of Study attachment documents

Key: 886

Current

<table>

First Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE 100	4	ACE 161	3
ACES 101	2	CMN 101 or RHET 105	3
MATH 124	3	MATH 234	4
RHET 105 or CMN 101	4	ECON 103	3
Language Other than English (3rd level)	4	General Education course	3
	17		**16**
Second Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACCY 201	3	ACE 341	1
ACE 262	3	ACE 264	3
General Education course	3	General Education course	3
Concentration Required course	3	General Education course	3
Concentration Required course	3	Free Elective course	3
		Free Elective course	3
	15		**16**
Third Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
Concentration Required course	3	ACE 300	3
Concentration Required course	3	ACE international course or study abroad experience	3
ACE or ACES Elective course	3	General Education course	3
General Education course	3	Concentration Required course	3
Free Elective course	3	General Education course	3
	15		**15**
Fourth Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE or ACES Elective course	3	Concentration Required course	3
Concentration Required course	3	ACE or ACES Elective course	3
Free Elective course	3	General Education course	4
General Education course	4	Free Elective course	3
General Education course	3	Free Elective course	3
	16		**16**
Fifth Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE 500	4	Specialization Field course (ACE 500 level)	4
ACE 562	2	Specialization Field course (500 level)	4

</table>

New

<table>

First Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE 100	4	ACE 161	3
ACES 101	2	CMN 101 or RHET 105	3
MATH 124	3	MATH 234	4
RHET 105 or CMN 101	4	ECON 103	3
Language Other than English (3rd level)	4	General Education course	3
	17		**16**
Second Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACCY 201	3	ACE 341	1
ACE 262	3	ACE 264	3
General Education course	3	General Education course	3
Concentration Required course	3	General Education course	3
Concentration Required course	3	Free Elective course	3
		Free Elective course	3
	15		**16**
Third Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
Concentration Required course	3	ACE 300	3
Concentration Required course	3	ACE international course or study abroad experience	3
ACE or ACES Elective course	3	General Education course	3
General Education course	3	Concentration Required course	3
Free Elective course	3	General Education course	3
	15		**15**
Fourth Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE or ACES Elective course	3	Concentration Required course	3
Concentration Required course	3	ACE or ACES Elective course	3
Free Elective course	3	General Education course	4
General Education course	4	Free Elective course	3
General Education course	3	Free Elective course	3
	16		**16**
Fifth Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE 500	4	Specialization Field course (ACE 500 level)	4
ACE 562	2	Specialization Field course (500 level)	4

</table>

ACE 564	2	ACE 591	2
Specialization Field ACE course	4	Quantitative Methods course	4
	12		**14**

Total Hours 152

ACE 564	2	ACE 591	2
Specialization Field ACE course	4	Quantitative Methods course	4
	12		**14**

Total Hours 152

	Current			Proposed	

Current / Proposed

Current

BS Program Component
Prescribed Core Courses
including Campus General

Course List

Code	Title	Hours
Composition I and Speech		
Requirement to be satisfied in the first year		
RHET 105 & CMN 101	Writing and and Public	7
Advanced Composition		
Students are encouraged to complete this requirement prior to the seventh semester		
Select from campus-approved Advanced Composition		
Foreign Language		
Coursework at or above the third level is required		
Quantitative Reasoning I		
Select one of:		7-8
MATH 124	Finite Mathematics	
MATH 231	Calculus II	
Select one of:		
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for	
Quantitative Reasoning II		6
ACE 262	Applied Statistical	
ACE 264	Applied Statistical	
Humanities and the Arts		
Selected from campus approved list.		6
Natural Sciences and Technology		
Selected from campus approved list.		6
Social and Behavioral Sciences		
Selected from campus approved list.		6
Cultural Studies		
Select one course from Western culture, one from		9
ACES Prescribed		
ACES 101	Contemporary	2
Department Requirements		
Minimum Hours in the College of ACES of which		35
Minimum of two 400-level courses in ACE		6
ACE 100	Introduction to	4
ACE 161 or CS 105	Microcomputer Intro Computing: Non-Tech	3
ACE 300	Intermediate Applied	3
ACE 341	Issues&Careers in	1 or 2
ACCY 201	Accounting and	3
ECON 103	Macroeconomic	3
At least 3 hours of credit for study abroad or one		3-4
ACE 435	Global Agribusiness	
ACE 436	International	
ACE 451	Agriculture in Intl	
ACE 452	The Latin American	
ACE 455	International Trade	
Required Concentration		~~15-27~~
Concentration prescribed courses. See specific		
Agri-Accounting		
Agribusiness Markets & Management		
Consumer Economics & Finance		
Environmental Economics & Policy		
Farm Management		
Finance in Agribusiness		

Proposed

BS Program Component
Prescribed Core Courses
including Campus General

Course List

Code	Title	Hours
Composition I and Speech		
Requirement to be satisfied in the first year		
RHET 105 & CMN 101	Writing and and Public	7
Advanced Composition		
Students are encouraged to complete this requirement prior to the seventh semester		
Select from campus-approved Advanced Composition		
Foreign Language		
Coursework at or above the third level is required		
Quantitative Reasoning I		
Select one of:		7-8
MATH 124	Finite Mathematics	
MATH 231	Calculus II	
Select one of:		
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for	
Quantitative Reasoning II		6
ACE 262	Applied Statistical	
ACE 264	Applied Statistical	
Humanities and the Arts		
Selected from campus approved list.		6
Natural Sciences and Technology		
Selected from campus approved list.		6
Social and Behavioral Sciences		
Selected from campus approved list.		6
Cultural Studies		
Select one course from Western culture, one from		9
ACES Prescribed		
ACES 101	Contemporary	2
Department Requirements		
Minimum Hours in the College of ACES of which		35
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ACE 161 or CS 105	Microcomputer Intro Computing: Non-Tech	3
ACE 300	Intermediate Applied	3
ACE 341	Issues&Careers in	1 or 2
ACCY 201	Accounting and	3
ECON 103	Macroeconomic	3
At least 3 hours of credit for study abroad or one		3-4
ACE 435	Global Agribusiness	
ACE 436	International	
ACE 451	Agriculture in Intl	
ACE 452	The Latin American	
ACE 455	International Trade	
Required Concentration		15-29
Concentration prescribed courses. See specific		
Agri-Accounting		
Agribusiness Markets & Management		
Consumer Economics & Finance		
Environmental Economics & Policy		
Farm Management		
Finance in Agribusiness		

Financial Planning	
Policy, International Trade & Development	
Public Policy & Law	
Total Hours	**126**

Six hours of upper level
electives will count jointly in

MAAE Component

Course List

Code	Title	Hours
Microeconomic Theory		
ACE 500	Applied Economic	4
Quantitative Methods		
Applied Econometrics:		8
ACE 562	Applied Regression	
ACE 564	Applied Regression	
Other Quantitative methods:		
4 hours of approved graduate course work in quantitative methods		
Field of Specialization		
12 hours of approved graduate field courses		12
(Must include at least 4 total hours at the 500-level and 8 total hours in ACE		
Professional/Research Internship Requirement		
Select one of the following:		
ACE 592	Special Topics	
ACE 591	Independent Study	
Total MAAE Component Hours		**26**
Total Joint Program Hours		**152**

Other Requirements

Course List

Code	Title	Hours
Other requirements may overlap		
A minimum of 20 hours of credit within the unit		
A minimum of 16 hours at the 500-level overall		

Program Change Request

Date Submitted: 08/25/23 4:29 pm

Viewing: **10KL0176NONE : Agricultural & Consumer Economics, BS**

Last approved: 02/16/23 1:55 pm

Last edit: 09/28/23 7:59 am

Changes proposed by: Brianna Gregg

Catalog Pages Using this Program	Agricultural & Consumer Economics: Agri-Accounting, BS Agricultural & Consumer Economics: Agribusiness Markets & Management, BS Agricultural & Consumer Economics: Consumer Economics & Finance, BS

Agricultural & Consumer Economics: Environmental Economics & Policy, BS
Agricultural & Consumer Economics: Farm Management, BS
Agricultural & Consumer Economics: Finance in Agribusiness, BS
Agricultural & Consumer Economics: Financial Planning, BS
Agricultural & Consumer Economics: Policy, International Trade & Development, BS
Agricultural & Consumer Economics: Public Policy & Law, BS

Proposal Type:

In Workflow

1. **U Program Review**
2. **1470 Committee Chair**
3. **1470 Head**
4. **KL Committee Chair**
5. **KL Dean**
6. **University Librarian**
7. **COTE Programs**
8. **Provost**
9. **Senate EPC**
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DMI

Approval Path

1. 08/30/23 3:46 pm Donna Butler (dbutler): Approved for U Program Review
2. 09/06/23 4:03 pm Bryan Endres (bendres): Approved for 1470 Committee Chair
3. 09/06/23 9:25 pm Sarah Low (salow2): Approved for 1470 Head
4. 09/07/23 8:56 am Brianna Gregg (bjgray2): Approved for KL Committee Chair
5. 09/07/23 11:56

am
Anna Ball (aball):
Approved for KL
Dean

6. 09/11/23 7:44 pm
Claire Stewart
(clairest):
Approved for
University
Librarian

7. 09/11/23 10:15
pm
Suzanne Lee
(suzannel):
Approved for
COTE Programs

8. 09/27/23 3:32 pm
Brooke Newell
(bsnewell):
Approved for
Provost

History

1. Feb 18, 2019 by
Deb Forgacs
(dforgacs)
2. May 1, 2019 by
Mary Lowry
(lowry)
3. May 1, 2020 by
Craig Gundersen
(cggunder)
4. Apr 21, 2022 by
Brianna Gregg
(bjgray2)
5. Feb 16, 2023 by
Brooke Newell
(bsnewell)

Major (ex. Special Education)

This proposal is
for a:
Revision

Administration Details

Official Program   Agricultural & Consumer Economics, BS

Name

Diploma Title

Sponsor College	Agr, Consumer, & Env Sciences
Sponsor Department	Agricultural and Consumer Economics
Sponsor Name	Bryan Endres
Sponsor Email	bendres@illinois.edu

College Contact   Anna Ball   College Contact
                                                          Email

   aball@illinois.edu

College Budget
Officer

College Budget
Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
                         No

Proposal Title

Effective Catalog   Spring 2024
Term

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

   Revise the Bachelor of Science in Agricultural & Consumer Economics in the College of
   Agricultural, Consumer, & Environmental Sciences

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

   This BS proposal (key 74) is related to the concentration in the major of Policy
   International Trade and Development (key 600), Joint program between the BS in ACE
   and MAAE in AAE (key 886) and concentration in the major of Public Policy and Law
   (key 595).

Program Justification

Provide a brief description of what changes are being made to the program.	A deactivated course needs to be removed from the major international course options. Fixing math error in the concentration credit range - no change in total hours but instead a mistake correction.

Did the program content change 25% or more in relation to the total credit hours, since the 2020-2021 catalog. (http://catalog.illinois.edu/archivedacademiccatalogs/2020-2021/)

No

Why are these changes necessary?

The current course option is no longer being offered at Illinois.

40 hour upper division/advanced course requirement:

ACE 300 - 3 hours
ACE 341 - 1 hour
International course - 3 hours
33 hours selected from ACE concentration courses, or free electives.

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 outside of the sponsoring department impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

ACE students will acquire broad and deep knowledge of Agricultural and Consumer Economics.
ACE students will develop a critical and reflective orientation toward global systems (such as natural, environmental, social, cultural, economic, and political) and cultural differences (such as race, indigeneity, gender, class, sexuality, language, and disability).
ACE students will develop critical thinking and problem solving skills.
ACE students will develop their ability to communicate in a variety of settings.
ACE students will build and sustain productive relationships to be effective leaders who can respond to civic and social challenges at local, national, and global levels, creating positive change in their communities. n/a

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program
Description and
Requirements
Attach Documents

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/PublicAdminRules2017.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.

Revised programs   ACE_Major_sidbyside_SampleSequence.xlsx
   Attach a revised Sample Sequence (for undergraduate program)
   or college-level forms.

Catalog Page Text - Overview Tab

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

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

Minimum hours for graduation is 126, to include a minimum of 40 hours of upper-division coursework generally at the 300- and 400-level. These hours can be drawn from all elements of the degree.

Course List

Code	Title	Hours
Composition I and Speech		
Requirement to be satisfied in the first year		
RHET 105	Writing and Research	7
& CMN 101	and Public Speaking (or equivalent (see College Composition I requirement)	
Advanced Composition		
Students are encouraged to complete this requirement prior to the seventh semester.		
Select from campus-approved Advanced Composition list		3-4
Foreign Language		
Coursework at or above the third level is required for graduation.		
Quantitative Reasoning I		
Select one of:		7-8
MATH 124	Finite Mathematics	
MATH 231	Calculus II	
Select one of:		
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	
Quantitative Reasoning II		6
ACE 262	Applied Statistical Methods and Data Analytics I	
ACE 264	Applied Statistical Methods & Data Analytics 2	
Humanities and the Arts		
Select from campus-approved Humanities & the Arts list		6
Natural Sciences and Technology		
Select from campus-approved Natural Sciences & Technology list		6
Social and Behavioral Sciences		
Select from campus-approved Social & Behavioral Sciences list		6
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
ACES Prescribed		
ACES 101	Contemporary Issues in ACES (for first year students only)	2
Department Requirements		
Minimum Hours in the College of ACES of which 20 must be in the Department of ACE		35
Minimum of two 400-level courses in ACE		6
ACE 100	Introduction to Applied Microeconomics	4
ACE 161	Microcomputer Applications	3
or CS 105	Intro Computing: Non-Tech	
ACE 300	Intermediate Applied Microeconomics	3
ACE 341	Issues&Careers in Applied Econ	1 or 2
ACCY 201	Accounting and Accountancy I	3

Code	Title	Hours
ECON 103	Macroeconomic Principles	3
At least 3 hours of credit for study abroad or one international course selected from:		3-4
ACE 435	Global Agribusiness Management	
ACE 436	International Business Immersion	
ACE 451	Agriculture in Intl Dev	
ACE 452	The Latin American Economies	
ACE 454	Course ACE 454 Not Found	
ACE 455	International Trade in Food and Agriculture	
Required Concentration		15-29
Concentration prescribed courses. See specific requirements for the concentration listed below.		
Agri-Accounting		
Agribusiness Markets & Management		
Consumer Economics & Finance		
Environmental Economics & Policy		
Farm Management		
Finance in Agribusiness		
Financial Planning		
Policy, International Trade & Development		
Public Policy & Law		
Total Hours		126

Corresponding Degree	BS Bachelor of Science

Program Features

Academic Level	Undergraduate
Does this major have transcripted concentrations?	Yes
Will you admit to the concentration directly?	No
Is a concentration required for graduation?	Yes

What is the typical time to completion of this program?
  8 semesters

What are the minimum Total Credit Hours required for this program?
  126

CIP Code	010103 - Agricultural Economics.

Is This a Teacher Certification Program?
  No

Will specialized accreditation be sought for this program?

No

Delivery Method

This program is
available:
   On Campus - Students are required to be on campus, they may take some online courses.

Admission Requirements

Desired Effective
Admissions Term

Is this revision a change to the admission status of the program?

No

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.

Not applicable.

Enrollment

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is an elimination/phase down proposal include the plans for the students left in the program.
   no impact on enrollment

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	

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)

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

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base
Tuition, or Engineering Differential, or Social Work Online (no dollar amounts
necessary)

Are you seeking a change in the tuition rate or differential for this
program?
                No

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size,
teaching loads, student-faculty ratios, etc.

no impact on faculty resources

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.

Library collections, resources and services are sufficient to support the elimination of
ACE 454 from the ACE major curriculum.

EP Documentation

EP Control   EP.24.023
Number

Attach
Rollback/Approval
Notices

This proposal   No
requires HLC

inquiry

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	NONE: Agr & Consumer Econ-UIUC
Program Code:	10KL0176NONE

Minor Code		Conc Code	Degree Code	BS	Major Code
0176					

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
DOE Approval Date	
Effective Date:	
Attached Document Justification for this request	
Program Reviewer Comments	**Brooke Newell (bsnewell) (08/24/23 8:53 am):** Rollback: Requested revisions to related proposals, justification, program of study. Email sent to Brianna and Bryan. **Brooke Newell (bsnewell) (08/25/23 3:13 pm):** Rollback: Requested revisions to related proposals and justification. Email sent to Brianna. **Brooke Newell (bsnewell) (08/25/23 3:53 pm):** Rollback: per request

Key: 74

OLD	NEW

OLD

Composition I and Speech		
Requirement to be satisfied in the first year		
RHET 105	Writing and Research	7
& CMN 101	and Public Speaking (or	
Advanced Composition		
Students are encouraged to complete this requirement prior to the		
Select from campus-approved Advanced Composition list		3-4
Foreign Language		
Coursework at or above the third level is required for graduation.		
Quantitative Reasoning I		
Select one of:		7-8
MATH 124	Finite Mathematics	
MATH 231	Calculus II	
Select one of:		
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	
Quantitative Reasoning II		**6**
ACE 262	Applied Statistical Methods	
ACE 264	Applied Statistical Methods	
Humanities and the Arts		
Select from campus-approved Humanities & the Arts list		6
Natural Sciences and Technology		
Select from campus-approved Natural Sciences & Technology list		6
Social and Behavioral Sciences		
Select from campus-approved Social & Behavioral Sciences list		6
Cultural Studies		
Select one course from Western culture, one from non-Western culture,		9
ACES Prescribed		
ACES 101	Contemporary Issues in ACES	2
Department Requirements		
Minimum Hours in the College of ACES of which 20 must be in the		35
Minimum of two 400-level courses in ACE		6
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ACE 161	Microcomputer Applications	3
or CS 105	Intro Computing: Non-Tech	
ACE 300	Intermediate Applied	3
ACE 341	Issues&Careers in Applied	1 or 2
ACCY 201	Accounting and Accountancy	3
ECON 103	Macroeconomic Principles	3
At least 3 hours of credit for study abroad or one international course		3-4
ACE 435	Global Agribusiness	
ACE 436	International Business	
ACE 451	Agriculture in Intl Dev	
ACE 452	The Latin American	
~~ACE 454~~	~~Course ACE 454 Not Found~~	
ACE 455	International Trade in Food	
Required Concentration		**~~15-27~~**
Concentration prescribed courses. See specific requirements for the		
Agri-Accounting		
Agribusiness Markets & Management		
Consumer Economics & Finance		
Environmental Economics & Policy		
Farm Management		
Finance in Agribusiness		
Financial Planning		
Policy, International Trade & Development		
Public Policy & Law		
Total Hours		**126**

NEW

Composition I and Speech		
Requirement to be satisfied in the first year		
RHET 105	Writing and Research	7
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Select one of:		7-8
MATH 124	Finite Mathematics	
MATH 231	Calculus II	
Select one of:		
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	
Quantitative Reasoning II		**6**
ACE 262	Applied Statistical Methods	
ACE 264	Applied Statistical Methods	
Humanities and the Arts		
Select from campus-approved Humanities & the Arts list		6
Natural Sciences and Technology		
Select from campus-approved Natural Sciences & Technology list		6
Social and Behavioral Sciences		
Select from campus-approved Social & Behavioral Sciences list		6
Cultural Studies		
Select one course from Western culture, one from non-Western culture,		9
ACES Prescribed		
ACES 101	Contemporary Issues in ACES	2
Department Requirements		
Minimum Hours in the College of ACES of which 20 must be in the		35
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ACE 100	Introduction to Applied	4
ACE 161	Microcomputer Applications	3
or CS 105	Intro Computing: Non-Tech	
ACE 300	Intermediate Applied	3
ACE 341	Issues&Careers in Applied	1 or 2
ACCY 201	Accounting and Accountancy	3
ECON 103	Macroeconomic Principles	3
At least 3 hours of credit for study abroad or one international course		3-4
ACE 435	Global Agribusiness	
ACE 436	International Business	
ACE 451	Agriculture in Intl Dev	
ACE 452	The Latin American	
ACE 455	International Trade in Food	
Required Concentration		**15-29**
Concentration prescribed courses. See specific requirements for the		
Agri-Accounting		
Agribusiness Markets & Management		
Consumer Economics & Finance		
Environmental Economics & Policy		
Farm Management		
Finance in Agribusiness		
Financial Planning		
Policy, International Trade & Development		
Public Policy & Law		
Total Hours		**126**

OLD

First Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE 100	4	ACE 161	3
ACES 101	2	CMN 101 or RHET 105	3
MATH 124	3	MATH 234	4
RHET 105 or CMN 101	4	ECON 103	3
Language Other than	4	General Education course	3
	17		**16**

Second Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACCY 201	3	ACE 264	3
ACE 262	3	ACE 300	3
Concentration course	3	Concentration course	3
ACE 341	1	General Education course	3
General Education course	3	General Education course	3
General Education course	3		
	16		**15**

Third Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE international course or	3	General Education course	3
Concentration course	3	Concentration course	3
General Education course	3	Concentration course	3
ACE or ACES Elective	3	General Education course	3
Free Elective course	3	Free Elective course	3
	15		**15**

Fourth Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE or ACES Elective	3	ACE or ACES Elective course	3
Free Elective course	3	Concentration course	3
General Education course	3	General Education course	4
Free Elective course	3	Free Elective course	4
Free Elective course	3	Free Elective course	3
	15		**17**

Total Hours 126

NEW

First Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE 100	4	ACE 161	3
ACES 101	2	CMN 101 or RHET 105	3
MATH 124	3	MATH 234	4
RHET 105 or CMN 101	4	ECON 103	3
Language Other than English (3rd	4	General Education course	3
	17		**16**

Second Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACCY 201	3	ACE 264	3
ACE 262	3	ACE 300	3
Concentration course	3	Concentration course	3
ACE 341	1	General Education course	3
General Education course	3	General Education course	3
General Education course	3		
	16		**15**

Third Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE international course or study	3	General Education course	3
Concentration course	3	Concentration course	3
General Education course	3	Concentration course	3
ACE or ACES Elective course	3	General Education course	3
Free Elective course	3	Free Elective course	3
	15		**15**

Fourth Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE or ACES Elective course	3	ACE or ACES Elective course	3
Free Elective course	3	Concentration course	3
General Education course	3	General Education course	4
Free Elective course	3	Free Elective course	4
Free Elective course	3	Free Elective course	3
	15		**17**

Total Hours 126

Program Change Request

Date Submitted: 08/28/23 9:26 am

Viewing: **10KL5011BS : Agricultural & Consumer Economics: Public Policy and Law, BS**

Last approved: 10/15/20 3:49 pm

Last edit: 09/28/23 7:59 am

Changes proposed by: Brianna Gregg

Proposal Type:

In Workflow

1. **U Program Review**
2. **1470 Committee Chair**
3. **1470 Head**
4. **KL Committee Chair**
5. **KL Dean**
6. **University Librarian**
7. **COTE Programs**
8. **Provost**
9. **Senate EPC**
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DMI

Approval Path

1. 08/30/23 3:46 pm
   Donna Butler
   (dbutler):
   Approved for U
   Program Review
2. 09/06/23 4:03 pm
   Bryan Endres
   (bendres):
   Approved for 1470
   Committee Chair
3. 09/06/23 9:26 pm
   Sarah Low
   (salow2):
   Approved for 1470
   Head
4. 09/07/23 8:56 am
   Brianna Gregg
   (bjgray2):
   Approved for KL
   Committee Chair
5. 09/07/23 11:56

am
Anna Ball (aball):
Approved for KL
Dean

6. 09/11/23 7:43 pm
Claire Stewart
(clairest):
Approved for
University
Librarian

7. 09/11/23 10:16
pm
Suzanne Lee
(suzannel):
Approved for
COTE Programs

8. 09/27/23 3:32 pm
Brooke Newell
(bsnewell):
Approved for
Provost

History

1. Feb 20, 2019 by
Deb Forgacs
(dforgacs)
2. Oct 15, 2020 by
Craig Gundersen
(cggunder)

Concentration (ex. Dietetics)

This proposal is
for a:
Revision

Administration Details

Official Program Name	Agricultural & Consumer Economics: Public Policy and Law, BS
Diploma Title	
Sponsor College	Agr, Consumer, & Env Sciences
Sponsor Department	Agricultural and Consumer Economics
Sponsor Name	Bryan Endres Craig Gundersen

Sponsor Email	benders@illinois.edu ~~cggunder@illinois.edu~~		
College Contact	Anna Dilger ~~Anna Leigh Ball~~	College Contact Email	

adilger2@illinois.edu ~~aball@illinois.edu~~

College Budget
Officer

College Budget
Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
No

Proposal Title

Effective Catalog Term	Spring 2024

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Revise the concentration in Public Policy and Law in the Bachelor of Science in Agricultural & Consumer Economics in the College of Agricultural, Consumer, & Environmental Sciences

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

This concentration in the major of Public Policy and Law proposal (Key 595) is related to the concentration in the major of Policy International Trade and Development (key 600), Joint program between the BS in ACE and MAAE in AAE (key 886) and BS in ACE (key 74).

Program Justification

Provide a brief description of what changes are being made to the program.	A deactivated course needs to be removed from the major international course options. Also, a reorganization, per request of provost's office, to bring core requirements for major on same page of each concentration's requirements.

Did the program content change 25% or more in relation to the total credit hours, since the 2020-2021 catalog. (http://catalog.illinois.edu/archivedacademiccatalogs/2020-2021/)

No

Why are these changes necessary?

The current course option is no longer being offered at Illinois. Clarify full degree requirements on concentration catalog pages.

40 hour upper division/advanced course requirement:

ACE 300 - 3 hours
ACE 341 - 1 hour
International course - 3 hours
ACE 411 - 3 hours
Select one list - 3 hours
Select three list - 9 hours
18 hours of free electives

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 outside of the sponsoring department impacted by the creation/revision of this program?

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ACE students will develop their ability to communicate in a variety of settings.
ACE students will build and sustain productive relationships to be effective leaders who can respond to civic and social challenges at local, national, and global levels, creating positive change in their communities.
Students in Public Policy and Law become expert in the economics of public policy in general and in its application to specific areas of interest. This concentration will expose students to the legal and institutional structures in which policies are developed, the analysis of the economics impacts of policies, and special circumstances of public policy and law pertaining to the environment, consumers, the agricultural sector, international relations, and other. ~~The standard assessment will be done.~~

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program
Description and
Requirements
Attach Documents

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/PublicAdminRules2017.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.

Revised programs   ACE_PPL_sidbyside_SampleSequence.xlsx
  Attach a revised Sample Sequence (for undergraduate program)
  or college-level forms.

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Prescribed Core Courses including Campus General Education

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Students are encouraged to complete this requirement prior to the seventh semester.		
Select from campus-approved Advanced Composition list		3-4
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Quantitative Reasoning I		
Select one of:		7-8
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MATH 231	Calculus II	
Select one of:		
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	
Quantitative Reasoning II		6
ACE 262	Applied Statistical Methods and Data Analytics I	
ACE 264	Applied Statistical Methods & Data Analytics 2	
Humanities and the Arts		
Select from campus-approved Humanities & the Arts list		6
Natural Sciences and Technology		
Select from campus-approved Natural Sciences & Technology list		6
Social and Behavioral Sciences		
Select from campus-approved Social & Behavioral Sciences list		6
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Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.		9
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Minimum Hours in the College of ACES of which 20 must be in the Department of ACE		35
Minimum of two 400-level courses in ACE		6
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ACE 161	Microcomputer Applications	3

Code	Title	Hours
or CS 105	Intro Computing: Non-Tech	
ACE 300	Intermediate Applied Microeconomics	3
ACE 341	Issues&Careers in Applied Econ	1 or 2
ACCY 201	Accounting and Accountancy I	3
ECON 103	Macroeconomic Principles	3
At least 3 hours of credit for study abroad or one international course selected from:		3-4
ACE 435	Global Agribusiness Management	
ACE 436	International Business Immersion	
ACE 451	Agriculture in Intl Dev	
ACE 452	The Latin American Economies	
ACE 455	International Trade in Food and Agriculture	

Course List

Code	Title	Hours
Required for the Public Policy and Law Concentration in Addition to Department Requirements		21
ACE 203	Introduction to Public Policy and Law	3
ECON 411	Public Sector Economics	3
Select one of the following:		3
ACE 210	Environmental Economics	
ACE 251	The World Food Economy	
ACE 255	Economics of Food and Environmental Justice	
ACE 270	Consumer Economics	
Select one of the following:		3
ACE 306	Food Law	
ACE 403	Agricultural Law	
ACE 406	Environmental Law	
ECON 484	Law and Economics	
Select three of the following: (excluding courses taken to meet above "choose one" requirement)		9
ACE 306	Food Law	
ACE 310	Natural Resource Economics	
ACE 403	Agricultural Law	
ACE 406	Environmental Law	
ACE 410	Energy Economics	
ACE 411	Environment and Development	
ACE 451	Agriculture in Intl Dev	
ACE 454	Course ACE 454 Not Found	
ACE 455	International Trade in Food and Agriculture	
ACE 456	Agricultural and Food Policies	
ACE 471	Consumer Economic Policy	
ACE 474	Economics of Consumption	
ACE 476	Behavioral Economics and Financial Decision Making	
Total Hours		126

Program Relationships

Corresponding Program(s):

Corresponding Program(s)
Agricultural & Consumer Economics, BS

Program Features

Academic Level   Undergraduate

Is This a Teacher Certification Program?
                    No

Will specialized accreditation be sought for this program?

  No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is
available:
  On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is
an elimination/phase down proposal include the plans for the students left in the program.
                    no impact

Budget

Are there   No
budgetary
implications for
this revision?

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

Additional Budget
Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?
Resources are already available for this.

Will the unit need to seek campus or other external resources?
No

Attach letters of support

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

no impact on faculty resources

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.

Library collections, resources and services are sufficient to support the elimination of ACE 454 from the ACE major curriculum.

EP Documentation

EP Control Number	EP.24.023

Attach Rollback/Approval Notices

This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name	BS:ACE-Public Policy&Law -UIUC

Program Code:	10KL5011BS

Minor Code		Conc Code	5011	Degree Code	BS	Major Code
0176						

Senate Approval Date

Senate
Conference
Approval Date

BOT Approval
Date

IBHE Approval
Date

HLC Approval
Date

DOE Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer **Brooke Newell (bsnewell) (08/28/23 8:46 am):** Rollback: Requested revisions to
Comments Justification statements. Email sent to Brianna

OLD

First Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE 100	4	ACE 161	3
ACES 101	2	CMN 101 or RHET 105	3
MATH 124	3	MATH 234	4
RHET 105 or CMN 101	4	ECON 103	3
Language Other than	4	General Education course	3
	17		**16**

Second Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACCY 201	3	ACE 341	1
ACE 262	3	ACE 264	3
PS 220	3	General Education course	3
ACE 210, 251, 255, or 270	3	General Education course	3
General Education course	3	Free Elective course	3
		Free Elective course	3
	15		**16**

Third Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ECON 411	2	ACE 300	3
ACE 306, 403, 406,	3	ACE international course or study	3
General Education course	4	Public Policy and Law Elective course	3
ACE or ACES Elective	3	General Education course	3
Free Elective course	3	General Education course	3
	15		**15**

Fourth Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE or ACES Elective	3	Public Policy and Law Elective course	3
Public Policy and Law	3	ACE or ACES Elective course	3
Free Elective course	4	General Education course	4
General Education course	3	Free Elective course	3
General Education course	3	Free Elective course	3
	16		**16**

Total Hours 126

NEW

First Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE 100	4	ACE 161	3
ACES 101	2	CMN 101 or RHET 105	3
MATH 124	3	MATH 234	4
RHET 105 or CMN 101	4	ECON 103	3
Language Other than English (3rd	4	General Education course	3
	17		**16**

Second Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACCY 201	3	ACE 341	1
ACE 262	3	ACE 264	3
PS 220	3	General Education course	3
ACE 210, 251, 255, or 270	3	General Education course	3
General Education course	3	Free Elective course	3
		Free Elective course	3
	15		**16**

Third Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ECON 411	2	ACE 300	3
ACE 306, 403, 406, or ECON 484	3	ACE international course or study	3
General Education course	4	Public Policy and Law Elective course	3
ACE or ACES Elective course	3	General Education course	3
Free Elective course	3	General Education course	3
	15		**15**

Fourth Year			
FIRST SEMESTER	**HOURS**	**SECOND SEMESTER**	**HOURS**
ACE or ACES Elective course	3	Public Policy and Law Elective course	3
Public Policy and Law Elective course	3	ACE or ACES Elective course	3
Free Elective course	4	General Education course	4
General Education course	3	Free Elective course	3
General Education course	3	Free Elective course	3
	16		**16**

Total Hours 126

OLD		NEW	

OLD

Composition I and Speech

Requirement to be satisfied in the first year

RHET 105	Writing and Research	7
& CMN 101	and Public Speaking (or	

Advanced Composition

Students are encouraged to complete this requirement prior to the seventh semester.

Select from campus-approved Advanced Composition list	3-4

Foreign Language

Coursework at or above the third level is required for graduation.

Quantitative Reasoning I

Select one of:		7-8
MATH 124	Finite Mathematics	
MATH 231	Calculus II	

Select one of:		
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	

Quantitative Reasoning II		**6**
ACE 262	Applied Statistical Methods	
ACE 264	Applied Statistical Methods	

Humanities and the Arts		
Select from campus-approved Humanities & the Arts list		6

Natural Sciences and Technology		
Select from campus-approved Natural Sciences & Technology list		6

Social and Behavioral Sciences		
Select from campus-approved Social & Behavioral Sciences list		6

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

ACES Prescribed

ACES 101	Contemporary Issues in	2

Department Requirements

Minimum Hours in the College of ACES of which 20 must be in the Department of ACE	35
Minimum of two 400-level courses in ACE	6

ACE 100	Introduction to Applied	4
ACE 161 or CS 105	Microcomputer Applications Intro Computing: Non-Tech	3
ACE 300	Intermediate Applied	3
ACE 341	Issues&Careers in Applied	1 or 2
ACCY 201	Accounting and	3
ECON 103	Macroeconomic Principles	3

At least 3 hours of credit for study abroad or one international course selected from:		7-8
ACE 435	Global Agribusiness Management	
ACE 436	International Business	
ACE 451	Agriculture in Intl Dev	
ACE 452	The Latin American	
~~ACE 454~~		
ACE 455	International Trade in Food	

Required for the Public Policy and Law Concentration in Addition to Department Requirements

PS 220	Intro to Public Policy	3
ECON 411	Public Sector Economics	3

Select one of the following:		3
ACE 210	Environmental Economics	
ACE 251	The World Food Economy	
ACE 255	Economics of Food and	
ACE 270	Consumer Economics	

Select one of the following:		3
ACE 306	Food Law	
ACE 403	Agricultural Law	
ACE 406	Environmental Law	
ECON 484	Law and Economics	

Select three of the following: (excluding courses taken to meet above "choose one" requirement)		9
ACE 306	Food Law	
ACE 310	Natural Resource	
ACE 403	Agricultural Law	

NEW

Composition I and Speech

Requirement to be satisfied in the first year

RHET 105	Writing and Research	7
& CMN 101	and Public Speaking (or	

Advanced Composition

Students are encouraged to complete this requirement prior to the seventh semester.

Select from campus-approved Advanced Composition list	3-4

Foreign Language

Coursework at or above the third level is required for graduation.

Quantitative Reasoning I

Select one of:		7-8
MATH 124	Finite Mathematics	
MATH 231	Calculus II	

Select one of:		
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	

Quantitative Reasoning II		**6**
ACE 262	Applied Statistical Methods	
ACE 264	Applied Statistical Methods	

Humanities and the Arts		
Select from campus-approved Humanities & the Arts list		6

Natural Sciences and Technology		
Select from campus-approved Natural Sciences & Technology list		6

Social and Behavioral Sciences		
Select from campus-approved Social & Behavioral Sciences list		6

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

ACES Prescribed

ACES 101	Contemporary Issues in	2

Department Requirements

Minimum Hours in the College of ACES of which 20 must be in the Department of ACE	35
Minimum of two 400-level courses in ACE	6

ACE 100	Introduction to Applied	4
ACE 161 or CS 105	Microcomputer Applications Intro Computing: Non-Tech	3
ACE 300	Intermediate Applied	3
ACE 341	Issues&Careers in Applied	1 or 2
ACCY 201	Accounting and	3
ECON 103	Macroeconomic Principles	3

At least 3 hours of credit for study abroad or one international course selected from:		7-8
ACE 435	Global Agribusiness Management	
ACE 436	International Business	
ACE 451	Agriculture in Intl Dev	
ACE 452	The Latin American	
ACE 455	International Trade in Food	

Required for the Public Policy and Law Concentration in Addition to Department Requirements

PS 220	Intro to Public Policy	3
ECON 411	Public Sector Economics	3

Select one of the following:		3
ACE 210	Environmental Economics	
ACE 251	The World Food Economy	
ACE 255	Economics of Food and	
ACE 270	Consumer Economics	

Select one of the following:		3
ACE 306	Food Law	
ACE 403	Agricultural Law	
ACE 406	Environmental Law	
ECON 484	Law and Economics	

Select three of the following: (excluding courses taken to meet above "choose one" requirement)		9
ACE 306	Food Law	
ACE 310	Natural Resource	
ACE 403	Agricultural Law	

ACE 406	Environmental Law	
ACE 410	Energy Economics	
ACE 411	Environment and	
ACE 451	Agriculture in Intl Dev	
~~ACE 454~~		
ACE 455	International Trade in Food	
ACE 456	Agricultural and Food	
ACE 471	Consumer Economic Policy	
ACE 474	Economics of Consumption	
ACE 476	Behavioral Economics and	
Total Hours		**126**

ACE 406	Environmental Law	
ACE 410	Energy Economics	
ACE 411	Environment and	
ACE 451	Agriculture in Intl Dev	
ACE 455	International Trade in Food	
ACE 456	Agricultural and Food	
ACE 471	Consumer Economic Policy	
ACE 474	Economics of Consumption	
ACE 476	Behavioral Economics and	
Total Hours		**126**

Program Change Request

Date Submitted: 08/28/23 9:09 am

Viewing: **10KL5010BS : Agricultural & Consumer Economics: Policy, International Trade and Development, BS**

Last approved: 02/20/19 6:25 pm

Last edit: 09/28/23 8:00 am

Changes proposed by: Brianna Gregg

Proposal Type:

In Workflow

1. **U Program Review**
2. **1470 Committee Chair**
3. **1470 Head**
4. **KL Committee Chair**
5. **KL Dean**
6. **University Librarian**
7. **COTE Programs**
8. **Provost**
9. **Senate EPC**
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DMI

Approval Path

1. 08/30/23 3:46 pm
   Donna Butler
   (dbutler):
   Approved for U
   Program Review
2. 09/06/23 4:03 pm
   Bryan Endres
   (bendres):
   Approved for 1470
   Committee Chair
3. 09/06/23 9:26 pm
   Sarah Low
   (salow2):
   Approved for 1470
   Head
4. 09/07/23 8:56 am
   Brianna Gregg
   (bjgray2):
   Approved for KL
   Committee Chair
5. 09/07/23 11:56

am
Anna Ball (aball):
Approved for KL
Dean
6. 09/11/23 7:42 pm
Claire Stewart
(clairest):
Approved for
University
Librarian
7. 09/11/23 10:16
pm
Suzanne Lee
(suzannel):
Approved for
COTE Programs
8. 09/27/23 3:32 pm
Brooke Newell
(bsnewell):
Approved for
Provost

History

1. Feb 20, 2019 by
Deb Forgacs
(dforgacs)

Concentration (ex. Dietetics)

This proposal is
for a:
  [Revision](#)

Administration Details

Official Program Name	Agricultural & Consumer Economics: Policy, International Trade and Development, BS		
Diploma Title			
Sponsor College	Agr, Consumer, & Env Sciences		
Sponsor Department	Agricultural and Consumer Economics		
Sponsor Name	[Bryan Endres](#)		
Sponsor Email	bendress@illinois.edu		
College Contact	[Anna Dilger](#)	College Contact Email	

adilger2@illinois.edu

College Budget
Officer

College Budget
Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
No

Proposal Title

Effective Catalog Term   Spring 2024

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Revise the concentration in Policy, International Trade and Development in the Bachelor of Science in Agricultural & Consumer Economics in the College of Agricultural, Consumer, & Environmental Sciences

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

This Policy International Trade and Development concentration proposal (key 600) is related to the concentration in the major of ACE (key 74), Joint program between the BS in ACE and MAAE in AAE (key 886) and concentration in the major of Public Policy and Law (key 595).

Program Justification

Provide a brief description of what changes are being made to the program.

A deactivated course needs to be removed from the major international course options. As well as a reorganization, per request of provost's office, to bring core requirements for major on same page of each concentration's requirements.

Did the program content change 25% or more in relation to the total credit hours, since the 2020-2021 catalog. (http://catalog.illinois.edu/archivedacademiccatalogs/2020-2021/)
No

Why are these changes necessary?

The current course option is no longer being offered at Illinois. Also to clarify full degree requirements on concentration catalog pages.

40 hour upper division/advanced course requirement:

ACE 300 - 3 hours
ACE 341 - 1 hour
International course - 3 hours
ACE 455 - 3 hours
ACE 456 - 3 hours
Select 2 courses from list - 6 hours
21 hours selected from free electives.

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 outside of the sponsoring department impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

ACE students will acquire broad and deep knowledge of Agricultural and Consumer Economics.
ACE students will develop a critical and reflective orientation toward global systems (such as natural, environmental, social, cultural, economic, and political) and cultural differences (such as race, indigeneity, gender, class, sexuality, language, and disability).
ACE students will develop critical thinking and problem solving skills.
ACE students will develop their ability to communicate in a variety of settings.
ACE students will build and sustain productive relationships to be effective leaders who can respond to civic and social challenges at local, national, and global levels, creating positive change in their communities.

Understand domestic and global challenges related to food production, development, and the environment. Learn how to use economics to evaluate policy responses to these challenges. Develop analytical skills to evaluate data and quantify relationships between policy, trade, food production, environmental outcomes, and human well-being. Admin Migration

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program
Description and
Requirements
Attach Documents

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/PublicAdminRules2017.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.

Revised programs   ACE_PITD_sidbyside_SampleSequence.xlsx
   Attach a revised Sample Sequence (for undergraduate program)
   or college-level forms.

Catalog Page Text - Overview Tab

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

Statement for Programs of Study Catalog

Prescribed Core Courses including Campus General Education

Minimum hours for graduation is 126, to include a minimum of 40 hours of upper-division coursework generally at the 300- and 400-level. These hours can be drawn from all elements of the degree.

Course List

Code	Title	Hours
Composition I and Speech		
Requirement to be satisfied in the first year		
RHET 105	Writing and Research	7
& CMN 101	and Public Speaking (or equivalent (see College Composition I requirement)	
Advanced Composition		
Students are encouraged to complete this requirement prior to the seventh semester.		
Select from campus-approved Advanced Composition list		3-4
Foreign Language		
Coursework at or above the third level is required for graduation.		
Quantitative Reasoning I		
Select one of:		7-8
MATH 124	Finite Mathematics	
MATH 231	Calculus II	
Select one of:		
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	
Quantitative Reasoning II		6
ACE 262	Applied Statistical Methods and Data Analytics I	
ACE 264	Applied Statistical Methods & Data Analytics 2	
Humanities and the Arts		
Select from campus-approved Humanities & the Arts list		6
Natural Sciences and Technology		
Select from campus-approved Natural Sciences & Technology list		6
Social and Behavioral Sciences		
Select from campus-approved Social & Behavioral Sciences list		6
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
ACES Prescribed		
ACES 101	Contemporary Issues in ACES (for first year students only)	2
Department Requirements		
Minimum Hours in the College of ACES of which 20 must be in the Department of ACE		35
Minimum of two 400-level courses in ACE		6
ACE 100	Introduction to Applied Microeconomics	4
ACE 161	Microcomputer Applications	3

Code	Title	Hours
or CS 105	Intro Computing: Non-Tech	
ACE 300	Intermediate Applied Microeconomics	3
ACE 341	Issues&Careers in Applied Econ	1 or 2
ACCY 201	Accounting and Accountancy I	3
ECON 103	Macroeconomic Principles	3
At least 3 hours of credit for study abroad or one international course selected from:		3-4
ACE 435	Global Agribusiness Management	
ACE 436	International Business Immersion	
ACE 451	Agriculture in Intl Dev	
ACE 452	The Latin American Economies	
ACE 455	International Trade in Food and Agriculture	

Course List

Code	Title	Hours
Required for the Policy, International Trade and Development Concentration in Addition to Department Requirements		15
ACE 251	The World Food Economy	3
ACE 455	International Trade in Food and Agriculture	3
ACE 456	Agricultural and Food Policies	3
Select two of the following:		6
ACE 410	Energy Economics	
ACE 411	Environment and Development	
ACE 451	Agriculture in Intl Dev	
ACE 454	Course ACE 454 Not Found	
ECON 452	The Latin American Economies	
Total Hours		126

Program Relationships

Corresponding Program(s):

Corresponding Program(s)
Agricultural & Consumer Economics, BS

Program Features

Academic Level   Undergraduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is available:
  On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is an elimination/phase down proposal include the plans for the students left in the program.
  no impact

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)

Financial Resources

How does the unit intend to financially support this proposal?
  ~~Admin Migration~~

Will the unit need to seek campus or other external resources?
  No

Attach letters of support

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

  No impact on faculty resources.

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.

Library collections, resources and services are sufficient to support the elimination of ACE 454 from the PITD concentration curriculum.

EP Documentation

EP Control Number: EP.24.023

Attach Rollback/Approval Notices

This proposal requires HLC inquiry: No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name: BS:ACE-Plcy,Intl,Trde&Dev-UIUC

Program Code: 10KL5010BS

Minor Code	Conc Code	Degree Code	Major Code
0176	5010	BS	

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

DOE Approval Date

Effective Date:

Attached

Document Justification for this request	
Program Reviewer Comments	**Brooke Newell (bsnewell) (08/28/23 8:42 am):** Rollback: Revisions to Justification and Program of Study table. Email sent to Brianna

Key: 600

Program Change Request

Date Submitted: 06/27/23 3:34 pm

Viewing: **0250 : Art History Minor, UG**

Last approved: 10/07/19 4:40 pm

Last edit: 09/28/23 8:00 am

Changes proposed by: Nicole Turner

[Art History Minor](#)

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. **U Program Review**
2. **1526 Head**
3. **KR Dean**
4. **University Librarian**
5. **COTE Programs**
6. **Provost**
7. **Senate EPC**
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Approval Path

1. 06/29/23 9:32 am
   Donna Butler
   (dbutler):
   Approved for U
   Program Review
2. 06/29/23 9:47 am
   Melissa Pokorny
   (mpokorny):
   Approved for 1526
   Head
3. 09/22/23 11:27
   am
   Nicole Turner
   (nicturn):
   Approved for KR
   Dean
4. 09/22/23 11:55
   am
   Claire Stewart
   (clairest):
   Approved for
   University
   Librarian
5. 09/22/23 2:32 pm
   Suzanne Lee

History

1. Mar 30, 2019 by
Deb Forgacs
(dforgacs)
2. May 6, 2019 by
Linda Robbennolt
(weasel)
3. Sep 27, 2019 by
Nicole Turner
(nicturn)
4. Oct 7, 2019 by
Nicole Turner
(nicturn)

Minor (ex. European Union Studies)

This proposal is
for a:
Revision

Administration Details

Official Program Name	Art History Minor, UG
Diploma Title	
Sponsor College	Fine & Applied Arts
Sponsor Department	Art and Design
Sponsor Name	Terri Weissman
Sponsor Email	tweissma@illinois.edu
College Contact	Nicole Turner

College Contact
Email

nicturn@illinois.edu

College Budget
Officer

Greg Anderson

| College Budget Officer Email | gnanders@illinois.edu |

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

KR Dean

Does this program have inter-departmental administration?

No

Proposal Title

| Effective Catalog Term | Fall 2023 |

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Revise the Undergraduate Minor in Art History in the College of Fine and Applied Arts

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

Program Justification

| Provide a brief description of what changes are being made to the program. | Remove deactivated courses (LA 218, LA 220, ARCH 413), remove courses no longer desired to be in minor (ARCH 314, ARCH 402), eliminate duplicate section on Landscape Architecture courses available for minors, remove repeated cross-listed courses (ARCH/LA 222), add 5 courses as new options (ARTH 212, ARTH 214, ARTH 320, ARTH 404, ARCH 407), clarify advanced distinct hours, remove coordinator contact info, and reorganize course limitations from other universities and from school of architecture to be embedded in table. |

Did the program content change 25% or more in relation to the total credit hours, since the 2020-2021 catalog. (http://catalog.illinois.edu/archivedacademiccatalogs/2020-2021/)

No

Why are these changes necessary?

1. Deactivated courses LA 218, LA 220, ARCH 413 were removed since they no longer exist.
2. Remove two courses the unit no longer desires to be in the minor: ARCH/LA 314 and ARCH 402.
3. The Landscape Architecture section is deleted completely. It previously included 2 deactivated courses, one repeated course that is cross-listed, LA 242 which is owned by RST and is determined to not be suitable for ARTH minor, LA 314 which is no longer desired to be in minor, and LA 315 which requires a prerequisite and was determined to not be suitable for minor.
4. ARCH 222/LA 222 and ARTH 219 are the same course, cross-listed. ARCH 222 and LA 222 are removed wherever listed, with ARTH 219 listed in their place.
5. Five courses are added as options: ARTH 214 and ARTH 404 in the Non-European, Non-Modern Americas Section and ARCH 407 in the History of Architecture course section. ARTH 212 and ARTH 320 are owned by EALC (letter attached) and are now both in the Non-European, Non-Modern Americas Section.
6. Remove advanced hours statement from degree table and put at top, with full sentence regarding advanced distinct hours to match campus policy.
7. Remove coordinator contact info from catalog page, since there is a new contact info tab.
8. Reorganize statements regarding max courses from other universities and from architecture that can fulfill minor requirements so that the statements are embedded in the table rather than at the top and bottom.

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 outside of the sponsoring department impacted by the creation/revision of this program?

Yes

Courses outside of the sponsoring department/interdisciplinary departments

ARCH 407 - Rome: City of Visible History
LA 218 - S Asian Cultural Landscapes
LA 220 - Exploring African Cities
ARCH 413 - Renaissance Architecture
LA 242 - Nature and American Culture
LA 314 - History of World Landscapes
LA 315 - History of Modern Lndscpe Arch

ARCH 222 - Islamic Gardens & Architecture
LA 222 - Islamic Gardens & Architecture
ARCH 314 - History of World Landscapes
ARCH 402 - Intro to Hist of Arch Theory
ARTH 212 - East Asian Art History
ARTH 320 - Sacred Sites in Japan

Please attach any letters of support/acknowledgement for any Instructional Resources consider faculty, students, and/or other impacted units as appropriate.

ARCH letter of approval.pdf
Art History Minor-LA Support for revisions-2023-06-20.pdf
EALC_ARTH 212_320 to ARTH minor.pdf

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

The minor in art history is designed for undergraduates who seek to study art history as a complement to their major area of study. Upon successful completion of the Art History Minor, students should be able to:
1. Approach art and visual culture with a critical lens.
2. Think, speak, and write with an understanding of art's rich cultural histories.
3. Think, speak, and write with an understanding of the potential intersectionality of art and visual culture with other fields of study.
4. Understand how art and visual culture affects the social world.

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Art History courses will be evaluated by the Program every three years to ensure that they continue to meet program learning objectives and that any adjustments needed to improve student learning are made in a timely manner.

Program Description and Requirements Attach Documents	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/PublicAdminRules2017.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.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400- level courses. Except for clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

Revised programs — Art History Minor side by side FA 23.docx
Attach a revised Sample Sequence (for undergraduate program) or college-level forms.

Catalog Page Text - Overview Tab

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

The minor in art history requires 18 credit hours and offers students insight into the cultural and social history of the visual and built worlds. The minor course of study provides an introduction and initial preparation for students interested in pursuing careers in the humanities or museum work; it also provides excellent research and writing opportunities for those students in art and design looking to expand such skills. At least 6 hours of the minor must be advanced (300 or 400) level courses.Contact:Mark Avery, Coordinator of Undergraduate Academic Affairs.School Office:140 Art and Design Building, Champaign, 333-6632, mavery@illinois.edu

Statement for Programs of Study Catalog

Minimum required major and supporting course work: Students must meet the following course requirements for a total of 18 hours. At least 6 hours of coursework must be advanced (300-400) level and distinct from credit earned for a major or a second minor.

Course List

Code	Title	Hours
A maximum of one course from either section below at UIUC will count toward the requirements of the Art History Minor		
History of Architecture courses		
ARCH 222	Islamic Gardens & Architecture	3
ARCH 314	History of World Landscapes	4

Code	Title	Hours
ARCH 402	Introduction to the History of Architectural Theory	3
ARCH 412	Medieval Architecture	3
ARCH 413	Course ARCH 413 Not Found	3
ARCH 414	Baroque & Rococo Arch	3
ARCH 415	Modernity's Mirror: Nineteenth-Century Architecture 1750-1900	3
ARCH 416	The Architecture of the United States, c.1650 to Present	3
ARCH 417	Modern and Contemporary Global Architecture	3
History of Landscape Architecture courses		
LA 218	Course LA 218 Not Found	3
LA 220	Course LA 220 Not Found	3
LA 222	Islamic Gardens & Architecture	3
LA 242	Nature and American Culture	3
LA 314	History of World Landscapes	4
LA 315	History of Modern Landscape Architecture	3

<div align="center">Course List</div>

Code	Title	Hours
ARTH 110	Introduction to the History of Art and Visual Culture	3
Select one course below, which focuses on a subject outside of Europe and the Modern Americas		3
ARCH 222	Islamic Gardens & Architecture	
LA 218	Course LA 218 Not Found	
LA 220	Course LA 220 Not Found	
LA 222	Islamic Gardens & Architecture	
ARTH 212	East Asian Art History	
ARTH 214	Art in China	
ARTH 219	Islamic Gardens & Architecture	
ARTH 320	Sacred Sites in Japan	
ARTH 342	Arts of Colonial Latin America	
ARTH 402	Ways of Seeing in Edo Japan	
ARTH 403	Word and Image in Chinese Art	
ARTH 404	China through Film	
Other courses may be approved in consultation with the minor advisor.		
Additional ARTH courses at the 200, 300 or 400 level		6
Additional ARTH courses at the 300 or 400 level		3
ARTH 400-level designated seminar course		3

Additional Minor Credit Policies

A maximum of one course from other universities will satisfy the requirements for upper-level Art History courses.

A maximum of one history of architecture course below at UIUC will count toward the requirements of the Art History Minor

ARCH 407	Rome: City of Visible History	
ARCH 412	Medieval Architecture	
ARCH 414	Baroque & Rococo Arch	
ARCH 415	Modernity's Mirror: Nineteenth-Century Architecture 1750-1900	
ARCH 416	The Architecture of the United States, c.1650 to Present	
ARCH 417	Modern and Contemporary Global Architecture	

Total credits required for Art History Minor: 18

Program Features

Academic Level   Undergraduate

Is this minor?
   A Comprehensive study in a single discipline

Is This a Teacher Certification Program?
           No

Will specialized accreditation be sought for this program?

   No

Other than certification via the students' degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?
           No

Delivery Method

This program is available:
   On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Will the department limit enrollment to the minor?
           No

Describe how the department will monitor the admission to/enrollment in the minor.
           Students will complete the Statement of Intent to Pursue a Campus-Approved Minor. Demand does not exceed capacity for the minor.

Are there any prerequisites for the proposed minor?
           No

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is an elimination/phase down proposal include the plans for the students left in the program.
           No impact.

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)

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

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.

Library collections, resources and services are sufficient to support this undergraduate
minor in Art History revision.

EP Documentation

EP Control Number	EP.24.023
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	Art History
Program Code:	0250

Minor Code	0250	Conc Code		Degree Code		Major Code	

Senate Approval

Date

Senate
Conference
Approval Date

BOT Approval
Date

IBHE Approval
Date

HLC Approval
Date

DOE Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer
Comments

Brooke Newell (bsnewell) (05/15/23 2:49 pm): Rollback: Requested revisions to instructional resources and program of study sections. Detailed email sent to Nicole T. **Brooke Newell (bsnewell) (06/22/23 2:59 pm):** Rollback: Email sent to Nicole.

Key: 150

Art History Minor

<div style="display:flex">

<div>

[current]

Minimum required major and supporting course work: Students must meet the following course requirements for a total of 18 hours

A maximum of one course from other universities will satisfy the requirements for upper-level Art History courses.

ARTH 110	Introduction to the History of Art and Visual Culture	3
Select one course below, which focuses on a subject outside of Europe and the Modern Americas		3
ARCH 222	Islamic Gardens & Architecture	
LA 218		
LA 220		
LA 222	Islamic Gardens & Architecture	
ARTH 342	Arts of Colonial Latin America	
ARTH 402	Ways of Seeing in Edo Japan	
ARTH 403	Word and Image in Chinese Art	

Other courses may be approved in consultation with the minor advisor.

Additional ARTH courses at the 200, 300 or 400 level		6
Additional ARTH courses at the 300 or 400 level		3
At least 6 hours of the minor must be advanced (300 or 400) level courses.		
ARTH 400-level designated seminar course		3

Total credits required for Art History Minor: 18

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[proposed]

Minimum required major and supporting course work: Students must meet the following course requirements for a total of 18 hours. At least 6 hours of coursework must be advanced (300-400) level and distinct from credit earned for a major or a second minor.

ARTH 110	Introduction to the History of Art and Visual Culture	3
Select one course below, which focuses on a subject outside of Europe and the Modern Americas		3
ARTH 212	East Asian Art History	
ARTH 214	Art in China	
ARTH 219	Islamic Gardens & Architecture	
ARTH 320	Sacred Sites in Japan	
ARTH 342	Arts of Colonial Latin America	
ARTH 402	Ways of Seeing in Edo Japan	
ARTH 403	Word and Image in Chinese Art	
ARTH 404	China through Film	

Other courses may be approved in consultation with the minor advisor.

Additional ARTH courses at the 200, 300 or 400 level		6
Additional ARTH courses at the 300 or 400 level		3
ARTH 400-level designated seminar course		3

</div>

</div>

Additional Minor Credit Policies

A maximum of one course from other universities will satisfy the requirements for upper-level Art History courses.

A maximum of one ~~course from either section~~ history of architecture course below at UIUC will count toward the requirements of the Art History Minor

A maximum of one course from either section below at UIUC will count toward the requirements of the Art History Minor

History of Architecture courses

ARCH 222	Islamic Gardens & Architecture	3
ARCH 314	History of World Landscapes	4
ARCH 402	Introduction to the History of Architectural Theory	3
ARCH 407	Rome: City of Visible History	3
ARCH 412	Medieval Architecture	3
ARCH 413		3
ARCH 414	Baroque & Rococo Arch	3
ARCH 415	Modernity's Mirror: Nineteenth-Century Architecture 1750-1900	3
ARCH 416	The Architecture of the United States, c.1650 to Present	3
ARCH 417	Modern and Contemporary Global Architecture	3

History of Landscape Architecture courses

LA 218		3
LA 220		3
LA 222	Islamic Gardens & Architecture	3
LA 242	Nature and American Culture	3
LA 314	History of World Landscapes	4
LA 315	History of Modern Landscape Architecture	3

Total credits required for Art History Minor: 18

From:	Romberg, Kristin
To:	Weissman, Terri; Turner, Nicole Marion Landwehr; Vazquez, Oscar
Cc:	Foellmer, Michael; VanGinhoven, Bryan
Subject:	Re: Response Requested: Add EALC/ARTH 212 to ARTH minor
Date:	Tuesday, June 27, 2023 1:10:31 AM
Attachments:	image002.png

Yes, this is fine.

From: "Weissman, Terri" <tweissma@illinois.edu>
Date: Monday, June 26, 2023 at 7:37 PM
To: "Turner, Nicole Marion Landwehr" <nicturn@illinois.edu>, "Vazquez, Oscar" <oscarv@illinois.edu>, "Romberg, Kristin" <kromberg@illinois.edu>
Cc: "Foellmer, Michael" <foellme1@illinois.edu>, "VanGinhoven, Bryan" <bvanginh@illinois.edu>
Subject: Re: Response Requested: Add EALC/ARTH 212 to ARTH minor

I think the answer is yes, this makes sense.
Oscar is now on leave, and Kristin Romberg (who I have cc'd here) is the new chair. Once she confirms, then we can add the course.

Thanks!
Terri

Terri Weissman
Associate Professor, Art History
Unit for Criticism and Interpretative Theory
University of Illinois, Urbana Champaign
http://terriweissman.wixsite.com/tweissman

From: "Turner, Nicole Marion Landwehr" <nicturn@illinois.edu>
Date: Monday, June 26, 2023 at 1:36 PM
To: Terri <tweissma@illinois.edu>, "Vazquez, Oscar" <oscarv@illinois.edu>
Cc: "Foellmer, Michael" <foellme1@illinois.edu>, "VanGinhoven, Bryan" <bvanginh@illinois.edu>
Subject: FW: Response Requested: Add EALC/ARTH 212 to ARTH minor

Terri and Oscar, please let me know if you'd like to add EALC/ARTH 320 to the ARTH minor list.
Best,
Nicole

From: Shih, Chilin <cls@illinois.edu>

Sent: Friday, June 23, 2023 3:03 PM
To: Turner, Nicole Marion Landwehr <nicturn@illinois.edu>
Cc: Weissman, Terri <tweissma@illinois.edu>; Vazquez, Oscar <oscarv@illinois.edu>; Foellmer, Michael <foellme1@illinois.edu>; VanGinhoven, Bryan <bvanginh@illinois.edu>
Subject: Re: Response Requested: Add EALC/ARTH 212 to ARTH minor

Dear nicole, Terri, Oscar, Michael and Bryan,

EALC is happy to support the addition of EALC/ARTH 212 to the revised ARTH minor.

The EALC curriculum committee is asking whether you are also interested in listing EALC/ARTH 320: Sacred Sites in Japan, which is also cross listed with Art History. Naoko Gunji taught the course under this rubric for the first time in Spring 2023. This course also seems to fulfill the new requirements for the Art History minor like the other 300-and 400- courses listed on page 5 of the attached PDF.

Thank you,

Best,

Chilin

Dr. Chilin Shih
Department Head, East Asian Languages and Cultures
Department of Linguistics

From: Turner, Nicole Marion Landwehr <nicturn@illinois.edu>
Sent: Thursday, June 22, 2023 4:06 PM
To: Shih, Chilin <cls@illinois.edu>
Cc: Weissman, Terri <tweissma@illinois.edu>; Vazquez, Oscar <oscarv@illinois.edu>; Foellmer, Michael <foellme1@illinois.edu>; VanGinhoven, Bryan <bvanginh@illinois.edu>
Subject: Response Requested: Add EALC/ARTH 212 to ARTH minor

To: Chilin Shih, Head of the Department of East Asian Languages and Cultures
From: Nicole Turner, Sr. Assistant Dean in the College of Fine and Applied Arts

To: Professor Shih

I am writing to request a letter of support on behalf of the Art History minor, which is undergoing a program revision. The revision includes the addition of EALC/ARTH 212, a cross-listed course with ownership in EALC, as one of seven course options to complete the outside of Europe and the Modern Americas category.

For us to proceed with our curricular changes, I am asking for a letter of support to allow us to include this course requirement.

If you have any questions or would like additional information, please do not hesitate to contact me. Thank you for your time and consideration.

Sincerely,

Nicole Turner, Ph.D. 🔊 Hear my name

Sr. Assistant Dean for Academic Programs and International Education

College of Fine & Applied Arts
University of Illinois at Urbana-Champaign
110 Architecture Bldg, M/C 622
608 E Lorado Taft Dr | Champaign, IL 61820
217.300.2602 | nicturn@illinois.edu | faa.illinois.edu
Schedule BSSD advising appointments at https://my.faa.illinois.edu/advising/.

I ILLINOIS

COLLEGE OF FINE & APPLIED ARTS

Department of Landscape Architecture
101 Temple Hoyne Buell Hall, MC-620
611 East Lorado Taft Drive
Champaign, IL 61820-6921

June 20, 2023

Dr. Nicole Turner, Assistant Dean for Academic Programs and International Education
College of Fine & Applied Arts
University of Illinois at Urbana-Champaign
110 Architecture Building
608 E. Lorado Taft Drive
Champaign, IL 61820

Dear Nicole,

On behalf of the Department of Landscape Architecture, I am happy to support the following changes to the Art History minor, which are being undertaken as part of a program revision:

- removal of LA 218 and 220 (which were deactivated)
- removal of LA 222 (the cross-listing of ARTH 219 owned by ARTH is still included)
- removal of LA 314, LA 315, and LA 242 (no longer desired to be included in minor)

With many thanks and all best wishes,

David L. Hays
Professor and Brenton H. and Jean B. Wadsworth Head

Nicole:

Thank you for notifying me about the changes. I concur with the decision.

Best regards,

Francisco

Get Outlook for iOS

From: Turner, Nicole Marion Landwehr <nicturn@illinois.edu>
Sent: Tuesday, June 6, 2023 3:24:36 PM
To: Rodriguez Suarez, Francisco <paco70@illinois.edu>
Subject: RE: Response Requested: Add ARCH 407 to ARTH minor, remove ARCH 413,, 222, 402, 314.

Yes, I am available now. Thanks-

Nicole Turner, Ph.D.

Assistant Dean for Academic Programs and International Education

College of Fine & Applied Arts

University of Illinois at Urbana-Champaign

110 Architecture Bldg, M/C 622

608 E Lorado Taft Dr | Champaign, IL 61820

217.300.2602 | nicturn@illinois.edu | faa.illinois.edu

Schedule BSSD advising appointments at https://my.faa.illinois.edu/advising/.

ILLINOIS

From: Rodriguez Suarez, Francisco <paco70@illinois.edu>
Sent: Tuesday, June 6, 2023 3:24 PM
To: Turner, Nicole Marion Landwehr <nicturn@illinois.edu>
Subject: Re: Response Requested: Add ARCH 407 to ARTH minor, remove ARCH 413,, 222, 402, 314.

Nicole:

Rebecca told me that you finished the meeting. Is it a good time to call you now for 5 minutes?

Best,

Francisco

Get Outlook for iOS

Hello Francisco,

Please feel free to call me at 217-300-2602.

In the next couple of weeks would be great. It does not need to be on letterhead or signed. You can reply to my email with your approval, but I am happy to talk through the changes with you over the phone beforehand.

Best,

Nicole Turner, Ph.D. 🔊

Assistant Dean for Academic Programs and International Education

College of Fine & Applied Arts
University of Illinois at Urbana-Champaign
110 Architecture Bldg, M/C 622
608 E Lorado Taft Dr | Champaign, IL 61820
217.300.2602 | nicturn@illinois.edu | faa.illinois.edu
Schedule BSSD advising appointments at https://my.faa.illinois.edu/advising/.

From: Rodriguez Suarez, Francisco <paco70@illinois.edu>
Sent: Wednesday, May 31, 2023 10:34 AM
To: Turner, Nicole Marion Landwehr <nicturn@illinois.edu>
Subject: Re: Response Requested: Add ARCH 407 to ARTH minor, remove ARCH 413,, 222, 402, 314.

Nicole:
I will be traveling today. When do you need the letter for? Can we have a brief phone conversation to fully understand what you need.
Best regards,
Francisco

From: Turner, Nicole Marion Landwehr <nicturn@illinois.edu>
Date: Wednesday, May 31, 2023 at 9:09 AM
To: Rodriguez Suarez, Francisco <paco70@illinois.edu>

Cc: Weissman, Terri <tweissma@illinois.edu>, Vazquez, Oscar <oscarv@illinois.edu>, Foellmer, Michael <foellme1@illinois.edu>, VanGinhoven, Bryan <bvanginh@illinois.edu>, Isern, David <disern@illinois.edu>
Subject: Response Requested: Add ARCH 407 to ARTH minor, remove ARCH 413,, 222, 402, 314.

To: Francisco Rodríguez-Suárez, Director of the School of Architecture
From: Nicole Turner, Assistant Dean in the College of Fine and Applied Arts

To: Director Rodríguez-Suárez

I am writing to request a letter of support on behalf of the Art History minor, which is undergoing a program revision. The revision includes the addition of ARCH 407 as an elective option and the removal of ARCH 413 (which was deactivated), removal of ARCH 222 (the cross-listing of ARTH 219 owned by ARTH is still included), and removal of both ARCH 314 and ARCH 402 (no longer desired to be included in minor). Thus, I believe the impact on the Architecture courses should be minimal.

For us to proceed with our curricular changes, I am asking for a letter of support to allow us to include this course requirement.

If you have any questions or would like additional information, please do not hesitate to contact me. Thank you for your time and consideration.

Sincerely,

Nicole Turner, Ph.D.

Assistant Dean for Academic Programs and International Education

College of Fine & Applied Arts
University of Illinois at Urbana-Champaign
110 Architecture Bldg, M/C 622
608 E Lorado Taft Dr | Champaign, IL 61820
217.300.2602 | nicturn@illinois.edu | faa.illinois.edu
Schedule BSSD advising appointments at https://my.faa.illinois.edu/advising/.

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Program Change Request

Date Submitted: 08/28/23 2:06 pm

Viewing: **10KP0408BS : Bioengineering, BS**

Last approved: 04/07/23 8:51 am

Last edit: 09/28/23 8:01 am

Changes proposed by: Maddie Darling

Catalog Pages Using this Program	[Bioengineering, BS](#)

Proposal Type:

Approval Path

1. 08/30/23 1:29 pm
   Donna Butler
   (dbutler):
   Approved for U
   Program Review
2. 08/30/23 3:47 pm
   Mark Anastasio
   (maa): Approved
   for 1343 Head
3. 09/19/23 2:28 pm
   Ashley Hallock
   (ahallock):
   Approved for KP
   Committee Chair
4. 09/19/23 4:17 pm
   Michael Stoller
   (stoller4):
   Approved for KP
   Dean
5. 09/22/23 12:00
   pm
   Claire Stewart
   (clairest):

Approved for University Librarian

6. 09/22/23 2:33 pm Suzanne Lee (suzannel): Approved for COTE Programs

7. 09/27/23 3:32 pm Brooke Newell (bsnewell): Approved for Provost

History

1. Dec 13, 2018 by Deb Forgacs (dforgacs)
2. Apr 9, 2019 by Deb Forgacs (dforgacs)
3. Jul 23, 2019 by Brooke Newell (bsnewell)
4. Jul 31, 2019 by Deb Forgacs (dforgacs)
5. Aug 12, 2019 by Deb Forgacs (dforgacs)
6. Jan 27, 2020 by Maddie Darling (darling4)
7. Apr 2, 2020 by Maddie Darling (darling4)
8. Apr 16, 2021 by Maddie Darling (darling4)
9. Oct 8, 2021 by Brooke Newell (bsnewell)
10. Apr 5, 2022 by Maddie Darling (darling4)
11. Apr 7, 2023 by Maddie Darling

Major (ex. Special Education)

This proposal is
for a:
Revision

Administration Details

Official Program Name	Bioengineering, BS
Diploma Title	Bachelor of Science in Bioengineering
Sponsor College	Grainger College of Engineering
Sponsor Department	Bioengineering
Sponsor Name	Maddie Darling
Sponsor Email	darling4@illinois.edu
College Contact	Jonathan Makela
College Contact Email	jmakela@illinois.edu
College Budget Officer	Tessa Hile
College Budget Officer Email	tmhile@illinois.edu

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.
Maddie Darling (darling4@illinois.edu), BIOE

Does this program have inter-departmental administration?
No

Proposal Title

Effective Catalog Term   Spring 2024

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Revise the Bachelor of Science in Bioengineering in the Grainger College of Engineering

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

N/A

Program Justification

Provide a brief description of what changes are being made to the program.

Two courses in the imaging and sensing track, ECE 210 and ECE 329, will move from required courses in the track to optional courses in the track. The suggested course sequence for the program will not change as a result of this proposed revision.

Did the program content change 25% or more in relation to the total credit hours, since the 2020-2021 catalog. (http://catalog.illinois.edu/archivedacademiccatalogs/2020-2021/)

No

Why are these changes necessary?

Several imaging-focused electives in the track do not require ECE 210 or 329 as prerequisites. Removing these courses as required options will allow imaging-focused students more flexibility to select coursework specific to their interests. This change also aligns with the level of flexibility in other related tracks, such as therapeutics and cell/tissue engineering, which allow students to select 15 hours of coursework from a related list. The courses will remain as options in the track to address sensing-focused students, and any other students who wish to take coursework that requires ECE 210 or 329 as a prerequisite.

The 40 hours of upper-division classes for IBHE requirement are met by:
• 26 hours of 300 & 400 level classes individually specified in the Bioengineering Technical Core
• 15 hours of 200 level coursework with 2 or more prerequisites in Foundational Mathematics and Science
o MATH 241 (4 credit hours) - prerequisites of MATH 231 and MATH 220 or 221
o MATH 285 (3 credit hours) - prerequisites of MATH 241, MATH 231 and MATH 220 or 221
o PHYS 211 (4 credit hours) - prerequisites of MATH 231 and MATH 220 or 221
o PHYS 212 (4 credit hours) - prerequisites of PHYS 211, MATH 241, MATH 231 and MATH 220 or 221

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 outside of the sponsoring department impacted by the creation/revision of this program?
Yes

Courses outside of the sponsoring department/interdisciplinary departments
ECE 210 - Analog Signal Processing
ECE 329 - Fields and Waves I

Please attach any letters of support/acknowledgement for any Instructional Resources consider faculty, students, and/or other impacted units as appropriate.
LOS_ECE.pdf

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

~~Below in Table 4.1, we show the process by which we continuously improve our program and studentlearning.Data is collected and evaluated every 3 years, allowing for the program to make and assess changes in program curriculum, advising processes, and the assessment processitself.---- Table 4.1 Outcomes Review Cycle Collect data for analysis on all outcomes Every 3 years (2012-2013, 2015-2016, 2018-2019) Assessment Lead Directs Faculty to Collect Assess data and recommend action items for all outcomes Every 3 years (2012-2013, 2015-2016, 2018-2019) Assessment Lead and Curriculum committee Monitoring of changes and action items Reviewed annually at retreats All faculty Monitoring of changes and action items Discussed at committee meetings (ongoing) Curriculum committee ----- Program outcomes and learningobjectives:~~The Bioengineering Program prepares graduates to achieve the following student outcomes by the time of graduation:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. an ability to communicate effectively with a range of audiences.
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies. ~~------------ Table 4.1 above addresses the process to ensure assessment results are used to improve student learning, in accordance with our accrediting board, ABET.~~

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program
Description and
Requirements

Attach Documents

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/PublicAdminRules2017.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.

Revised programs   AY 23-24 revision Sample Sequence(with LOTE)2.xlsx

Attach a revised Sample Sequence (for undergraduate program) or college-level forms.

Catalog Page Text - Overview Tab

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

Statement for Programs of Study Catalog

Graduation Requirements
Minimum Overall GPA: ~~2.0 Minimum hours required forgraduation:~~2.0
Minimum ~~128 hours, to include a minimum of 40~~ hours required for graduation: Minimum hours for graduation is 128, to include a minimum of 40 hours of upper-division coursework generally at the 300- and 400- ~~300 and/or 400~~ level. These hours can be drawn from all elements of the degree
General education: Students must complete the Campus General Education requirements including the campus general education language requirement.

Orientation and Professional Development

Course List

Code	Title	Hours
ENG 100	Grainger Engineering Orientation Seminar (External transfer students take ENG 300.)	1
BIOE 100	Bioengineering Seminar	1
BIOE 120	Introduction to Bioengineering	1
Total Hours		3

Foundational Mathematics and Science

Course List

Code	Title	Hours
CHEM 102	General Chemistry I	3
CHEM 103	General Chemistry Lab I	1
CHEM 104	General Chemistry II	3
CHEM 105	General Chemistry Lab II	1
MATH 221	Calculus I (MATH 220 may be substituted. MATH 220 is appropriate for students with no background in calculus. 4 of 5 credit hours count towards degree.)	4
MATH 231	Calculus II	3
MATH 241	Calculus III	4
MATH 285	Intro Differential Equations	3

Code	Title	Hours
PHYS 211	University Physics: Mechanics	4
PHYS 212	University Physics: Elec & Mag	4
Total Hours		30

Bioengineering Technical Core

Course List

Code	Title	Hours
BIOE 201	Conservation Principles Bioeng	3
BIOE 202	Cell & Tissue Engineering Lab	2
BIOE 205	Signals & Systems in Bioengrg	3
BIOE 206	Cellular Bioengineering	3
BIOE 210	Linear Algebra for Biomedical Data Science	3
BIOE 302	Modeling Human Physiology	3
BIOE 303	Quantitative Physiology Lab	2
BIOE 310	Computational Tools for Biological Data	3
BIOE 360	Transport & Flow in Bioengrg	3
BIOE 400	Bioengineering Senior Design	4
BIOE 414	Biomedical Instrumentation	3
BIOE 415	Biomedical Instrumentation Lab	2
BIOE 420	Intro Bio Control Systems	3
BIOE 476	Tissue Engineering	3
CHEM 232	Elementary Organic Chemistry I	4
CS 101	Intro Computing: Engrg & Sci	3
or CS 124	Introduction to Computer Science I	
MCB 150	Molec & Cellular Basis of Life	4
Total Hours		51

Track Electives

Course List

Code	Title	Hours
Students are required to complete 15 hours of credit from one track area listed below.		15
Biomechanics Track		
Required courses:		
TAM 211	Statics	3
TAM 212	Introductory Dynamics	3
TAM 251	Introductory Solid Mechanics	3
Select the remaining 6 hours from the below list:		
BIOE 461	Cellular Biomechanics	4
BIOE 498	Special Topics (Experimental Design in Automation)	3
BIOE 498	Special Topics (Finite Element Methods in Biomedicine)	3
BIOE 498	Special Topics (Quantitative Pharmacology)	3
BIOE 498	Special Topics (Regulatory Safety Issues in Bioengineering)	3
BIOE 498	Special Topics (Surgical Techniques)	3
ME 330	Engineering Materials	4
ME 481	Whole-Body Musculoskel Biomech	3
ME 482	Musculoskel Tissue Mechanics	3
ME 483	Mechanobiology	4
NPRE 461	Probabilistic Risk Assessment	3
SE 402	Comp-Aided Product Realization	3

Code	Title	Hours
SE 423	Mechatronics	3
TAM 445	Continuum Mechanics	4
TMGT 461	Tech, Eng, & Mgt Final Project	4
Recommended free elective:		
SE 101	Engineering Graphics & Design	3
Cell and Tissue Engineering Track		
Select 15 hours from the list below:		
BIOE 306	Biofabrication Lab	3
BIOE 416	Biosensors	3
BIOE 430	Intro Synthetic Biology	3
BIOE 460	Gene Editing Lab	3
BIOE 461	Cellular Biomechanics	4
BIOE 487	Stem Cell Bioengineering	3
BIOE 498	Special Topics (Experimental Design in Automation)	3
BIOE 498	Special Topics (Finite Element Methods in Biomedicine)	3
BIOE 498	Special Topics (Immunoengineering)	3
BIOE 498	Special Topics (Preclinical Molecular Imaging)	3
BIOE 498	Special Topics (Quantitative Pharmacology)	3
BIOE 498	Special Topics (Regulatory Safety Issues in Bioengineering)	3
BIOE 498	Special Topics (Systems Biology)	3
CHBE 471	Biochemical Engineering	3
CHBE 472	Techniques in Biomolecular Eng	3
IE 330	Industrial Quality Control	3
MSE 404	Laboratory Studies in Materials Science and Engineering	1.5
MSE 470	Design and Use of Biomaterials	3
MSE 474	Biomaterials and Nanomedicine	3
ME 483	Mechanobiology	4
TMGT 461	Tech, Eng, & Mgt Final Project	4
Recommended free elective		
MCB 450	Introductory Biochemistry	3
Therapeutics Engineering Track		
Select 15 hours from the list below:		
ABE 446	Biological Nanoengineering	3
BIOE 306	Biofabrication Lab	3
BIOE 430	Intro Synthetic Biology	3
BIOE 460	Gene Editing Lab	3
BIOE 479	Cancer Nanotechnology	3
BIOE 498	Special Topics (Experimental Design in Automation)	3
BIOE 498	Special Topics (Immunoengineering)	3
BIOE 498	Special Topics (Preclinical Molecular Imaging)	3
BIOE 498	Special Topics (Quantitative Pharmacology)	3
BIOE 498	Special Topics (Regulatory Safety Issues in Bioengineering)	3
BIOE 498	Special Topics (Surgical Technologies)	3
BIOE 498	Special Topics (Systems Biology)	3
BIOE 498	Special Topics (Technologies for Cancer Diagnosis and Therapy)	3
CHBE 472	Techniques in Biomolecular Eng	3
ECE 481	Nanotechnology	4

Code	Title	Hours
MSE 403	Synthesis of Materials	3
MSE 404	Laboratory Studies in Materials Science and Engineering	1.5
MSE 450	Polymer Science & Engineering	3
MSE 457	Polymer Chemistry	3 or 4
MSE 470	Design and Use of Biomaterials	3
MSE 473	Biomolecular Materials Science	3
MSE 474	Biomaterials and Nanomedicine	3
MSE 480	Surfaces and Colloids	3
TMGT 461	Tech, Eng, & Mgt Final Project	4

Computational and Systems Biology Track

Required courses:

Code	Title	Hours
CS 128	Introduction to Computer Science II	3
CS 225	Data Structures	4

Select the remaining 8 hours from the list below:

Code	Title	Hours
ABE 440	Applied Statistical Methods I	4
BIOE 483	Biomedical Computed Imaging Systems	3
BIOE 484	Statistical Analysis of Biomedical Images	3
BIOE 485	Computational Mathematics for Machine Learning and Imaging	4
BIOE 486	Applied Deep Learning for Biomedical Imaging	3
BIOE 430	Intro Synthetic Biology	3
BIOE 498	Special Topics (Experimental Design in Automation)	3
BIOE 498	Special Topics (Finite Element Methods in Biomedicine)	3
BIOE 498	Special Topics (Regulatory Safety Issues in Bioengineering)	3
BIOE 498	Special Topics (Systems Biology)	3
CS 411	Database Systems	3
CS 412	Introduction to Data Mining	3
CS 440	Artificial Intelligence	3
CS 446	Machine Learning	3 or 4
CS 465	User Interface Design	4
CS 466	Introduction to Bioinformatics	3
CS 498	Special Topics (Intro to Deep Learning)	3
ECE 490	Introduction to Optimization	3
ECE 498	Special Topics in ECE (Deep Learning in Hardware)	3
IE 310	Deterministic Models in Optimization	3
IE 370	Stochastic Processes and Applications	3
NPRE 461	Probabilistic Risk Assessment	3 or 4
SE 423	Mechatronics	3
TMGT 461	Tech, Eng, & Mgt Final Project	4

Imaging and Sensing Track

Select 15 hours from the list below:

Code	Title	Hours
BIOE 498	Special Topics (Experimental Design in Automation)	3
BIOE 484	Statistical Analysis of Biomedical Images	3
BIOE 486	Applied Deep Learning for Biomedical Imaging	3
BIOE 498	Special Topics (Immunoengineering)	3
BIOE 498	Special Topics (Preclinical Molecular Imaging)	3
BIOE 498	Special Topics (Quantitative Pharmacology)	3
BIOE 498	Special Topics (Regulatory Safety Issues in Bioengineering)	3

Code	Title	Hours
BIOE 498	Special Topics (Surgical Techniques)	3
BIOE 498	Special Topics (Systems Biology)	3
BIOE 498	Special Topics (Technologies for Cancer Diagnosis and Therapy)	3
ECE 210	Analog Signal Processing	4
ECE 310	Digital Signal Processing	3
ECE 311	Digital Signal Processing Lab	1
ECE 329	Fields and Waves I	3
ECE 365	Data Science and Engineering	3
ECE 380	Biomedical Imaging	3
ECE 416	Biosensors	3
ECE 417	Multimedia Signal Processing	4
ECE 418	Image & Video Processing	4
ECE 437	Sensors and Instrumentation	3
ECE 365	Data Science and Engineering	3
ECE 460	Optical Imaging	4
ECE 467	Biophotonics	3
ECE 472	Biomedical Ultrasound Imaging	3
ECE 473	Fund of Engrg Acoustics	3
ECE 480	Magnetic Resonance Imaging	3
ME 487	MEMS-NEMS Theory & Fabrication	4
NPRE 461	Probabilistic Risk Assessment	3
SE 423	Mechatronics	3
TMGT 461	Tech, Eng, & Mgt Final Project	4
Recommended Free Elective		
CHEM 442	Physical Chemistry I	4

Free Electives

Course List

Code	Title	Hours
Additional coursework, subject to the Grainger College of Engineering restrictions to Free Electives, so that there are at least 128 credit hours earned toward the degree.		9
Total Hours of Curriculum to Graduate		128

Corresponding Degree   BS Bachelor of Science

Program Features

Academic Level   Undergraduate

Does this major have transcripted concentrations?   No

What is the typical time to completion of this program?
  4 years

What are the minimum Total Credit Hours required for this program?
  128

CIP Code	140501 - Bioengineering and Biomedical Engineering.

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Admission Requirements

Desired Effective Admissions Term

Is this revision a change to the admission status of the program?

No

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.

No changes

Enrollment

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is an elimination/phase down proposal include the plans for the students left in the program.

The revisions of this program will have no impact on enrollment or degrees awarded.

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

Budget

Are there budgetary implications for	No

this revision?

Will the program or revision require staffing (faculty, advisors, etc.)
beyond what is currently available?

No

Additional Budget
Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

No changes

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

No

Attach letters of
support

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base
Tuition, or Engineering Differential, or Social Work Online (no dollar amounts
necessary)

Are you seeking a change in the tuition rate or differential for this
program?

No

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size,
teaching loads, student-faculty ratios, etc.

There will not be an impact on faculty resources, class size, teaching loads, or student-
faculty ratios as a result of this revision.

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.

Library collections, resources and services are sufficient to support this revision.

EP Documentation

EP Control   EP.24.023
Number

Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BS:Bioengineering - UIUC
Program Code:	10KP0408BS

Minor Code	Conc Code	Degree Code	BS	Major Code
0408				

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
DOE Approval Date	NA
Effective Date:	
Attached Document Justification for this request	
Program Reviewer Comments	**Brooke Newell (bsnewell) (08/28/23 8:12 am):** Rollback: Requested revisions to Proposal title, justification, instructional resources, and Program of Study fields. Email sent to Maddie Darling.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
BIOE 100	1	BIOE 120	1
CHEM 102	3	CHEM 104	3
CHEM 103	1	CHEM 105	1
MATH 221 (MATH 220 may be substituted. MATH 220 is appropriate for students with no background in calculus. 4 of 5 credit hours count towards degree.)	4	MATH 231	3
ENG 100 (External transfer students take ENG 300.)	1	PHYS 211	4
Composition I or MCB 150	4	MCB 150 or Composition I course	4
General Education course (choose a Humanities or Social/Behavioral Science course with Cultural Studies designation)	3		
Total Hours:	**17**		**16**

Second Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
BIOE 201	3	BIOE 202	2
BIOE 230	3	BIOE 205	3
MATH 241	4	BIOE 210	3
PHYS 212	4	MATH 285	3
CS 101 (CS 124 may be taken instead of CS 101.)	3	CHEM 232	4
Total Hours:	**17**		**15**

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
BIOE 302	3	BIOE 310	3
BIOE 303	2	BIOE 360	3
BIOE 476	3	BIOE 414	3
Track Elective	3	BIOE 415	2
General Education course (choose a Humanities or Social/Behavioral Science course with Cultural Studies designation)	3	Track Elective	3
		Language Other Than English (3rd level)	4
Total Hours:	**14**		**18**

Fourth Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
BIOE 400 or Free Elective	4	Free Elective or BIOE 400	4
Track Elective	3	BIOE 420	3
Track Elective	3	Track Elective	3
General Education course (General Education course (choose a Humanities or Social/Behavioral Science course that is also Advanced Composition)	3	Technical Elective	3
Free Elective	2	General Education course (choose a Humanities or Social/Behavioral Science course with Cultural Studies designation)	3
Total Hours:	**15**		**16**

Program Hours: 128

Darling, Maddie

From:	Anastasio, Mark A
Sent:	Monday, August 28, 2023 1:55 PM
To:	Kudeki, Erhan
Cc:	Mitra, Sayan; Hajek, Bruce; Shubert, Donna; Darling, Maddie
Subject:	Re: LOS request to ECE for BIOE-BS

Hi Erhan - thanks and we sincerely appreciate your support.

Best,
Mark

MARK ANASTASIO
Donald Biggar Willett Professor in Engineering
Head, Department of Bioengineering
Affiliate Professor, Department of Computer Science
Affiliate Professor, Department of Electrical and Computer Engineering
Affiliate Professor, Carle Illinois College of Medicine
Member, Beckman Institute for Advanced Science and Technology

University of Illinois Urbana-Champaign
Department of Bioengineering | The Grainger College of Engineering
1406 W. Green Street | 1102G Everitt Lab, MC 278 | Urbana, IL 61801
(P) 217.300.0314 | maa@illinois.edu
https://bioengineering.illinois.edu/
Lab Website: https://anastasio.bioengineering.illinois.edu

> On Aug 28, 2023, at 1:47 PM, Kudeki, Erhan <erhan@illinois.edu> wrote:
>
> Hi Mark,
>
> The Department of Electrical and Computer Engineering is supportive of the proposal to move ECE 210: Analog Signal Processing and ECE 329: Fields and Waves I from required electives to optional electives in the imaging and sensing track in the proposed revisions to the Bachelor of Science in Bioengineering program. We can provide access to your estimated 5-10 students per year, subject to capacity and course availability.

Best regards,

Erhan

_____

Erhan Kudeki   2172650128 | erhan@illinois.edu
Professor and Associate Head for Undergraduate Affairs
Electrical and Computer Engineering, The Grainger College of Engineering
2080 ECE Building, 306 North Wright Street, Urbana, IL 61801

On Aug 28, 2023, at 11:05 AM, bioen <bioen@mx.uillinois.edu> wrote:

Dear Professor Kudeki and Professor Mitras,

I am writing on behalf of the Department of Bioengineering to request a letter of support to move ECE 210: Analog Signal Processing and ECE 329: Fields and Waves I from our required elective course list in the imaging and sensing track to the optional elective course list in the imaging and sensing track within the proposed revision to the Bachelor of Science in Bioengineering program. This track is expected to enroll 5-10 students per year, and we would expect no change in course enrollments from the current level of 5-10 students enrolling in ECE 210 and ECE 329 per year because of this proposed change.

If approved, an email response including the following information is sufficient.

The Department of Electrical and Computer Engineering is supportive of the proposal to move ECE 210: Analog Signal Processing and ECE 329: Fields and Waves I from required electives to optional electives in the imaging and sensing track in the proposed revisions to the Bachelor of Science in Bioengineering program. We can provide access to your estimated 5-10 students per year, subject to capacity and course availability.

Thank you,

Mark

MARK ANASTASIO
Donald Biggar Willett Professor in Engineering
Head, Department of Bioengineering

Affiliate Professor, Department of Computer Science
Affiliate Professor, Department of Electrical and Computer Engineering
Affiliate Professor, Carle Illinois College of Medicine
Member, Beckman Institute for Advanced Science and Technology

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https://bioengineering.illinois.edu/
Lab Website: https://anastasio.bioengineering.illinois.edu

Program Change Request

Date Submitted: 09/09/23 9:18 am

Viewing: **10KR4090NONE : Art Undeclared**

Last approved: 10/01/21 10:42 am

Last edit: 10/10/23 1:35 pm

Changes proposed by: Nicole Turner

Catalog Pages Using this Program	Art & Art History, BFA Art Education, BFA Art Undeclared Graphic Design, BFA

Industrial Design, BFA
Studio Art: Fashion, BASA
Studio Art: General Studio Art, BASA
Studio Art: New Media, BASA
Studio Art: Painting, BASA
Studio Art: Photography, BASA
Studio Art: Printmaking, BASA
Studio Art: Sculpture, BASA
Studio Art: Fashion, BFASA
Studio Art: New Media, BFASA
Studio Art: Painting, BFASA
Studio Art: Photography, BFASA
Studio Art: Printmaking, BFASA
Studio Art: Sculpture, BFASA
Studio Art: General Studio Art, BFASA

Proposal Type:

In Workflow

1. **U Program Review**
2. **1526 Head**
3. **KR Dean**
4. **University Librarian**
5. **COTE Programs**
6. **Provost**
7. **Senate EPC**
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Approval Path

1. 09/12/23 9:04 am
Donna Butler (dbutler):
Approved for U Program Review
2. 09/12/23 11:13 am
Melissa Pokorny (mpokorny):
Approved for 1526 Head
3. 09/22/23 11:31 am
Nicole Turner (nicturn):
Approved for KR Dean
4. 09/22/23 1:53 pm
Claire Stewart (clairest):
Approved for University Librarian
5. 09/22/23 2:34 pm
Suzanne Lee

(suzannel):
Approved for
COTE Programs

6. 10/05/23 7:37 am
Brooke Newell
(bsnewell):
Approved for
Provost

History

1. Aug 29, 2019 by
Nicole Turner
(nicturn)
2. Nov 4, 2019 by
Nicole Turner
(nicturn)
3. May 1, 2020 by
Melissa Pokorny
(mpokorny)
4. Oct 1, 2021 by
Mark Avery
(mavery)

Concentration (ex. Dietetics)

This proposal is
for a:
  Revision

Administration Details

Official Program Name	Art Undeclared
Diploma Title	
Sponsor College	Fine & Applied Arts
Sponsor Department	Art and Design
Sponsor Name	Melissa Pokorny
Sponsor Email	mpokorny@illinois.edu
College Contact	Nicole Turner

College Contact Email

nicturn@illinois.edu

College Budget Officer	Greg Anderson

| College Budget Officer Email | gnanders@illinois.edu |

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

KR Dean

Does this program have inter-departmental administration?

No

Proposal Title

| Effective Catalog Term | Fall 2024 |

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Revise the concentration in Art Undeclared in the College of Fine and Applied Arts

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

This revision of Art Undeclared (key 863) is related to:
Studio Art, BASA revision (key 665)
Studio Art: Fashion, BASA phase down/elimination (key 952)
Studio Art: General Studio Art, BASA phase down/elimination (key 667)
Studio Art: Printmaking, BASA phase down/elimination (key 669)
Studio Art: Sculpture, BASA phase down/elimination (key 670)
Studio Art: Photography, BASA phase down/elimination (key 954)
Studio Art: New Media, BASA phase down/elimination (key 666)
Studio Art: Painting, BASA phase down/elimination (key 668)

Program Justification

| Provide a brief description of what changes are being made to the program. | Revision to clarify that only BFASA Studio Art, not BASA Studio Art, has specific concentration requirements in first-year curriculum requirements of Art Undeclared page. |

Did the program content change 25% or more in relation to the total credit hours, since the 2020-2021 catalog. (http://catalog.illinois.edu/archivedacademiccatalogs/2020-2021/)

No

Why are these changes necessary?

All undergraduate students who enter the School of Art and Design as first-year students enter as "Art Undeclared" for their temporary major in their first year. Students in "Art Undeclared" complete the first-year curriculum which is shared across all undergraduate majors in the School of Art and Design

This revision seeks to clarify the parentheses for 5 course options in the Art Undeclared/first-year curriculum. Due to the removal of concentrations for the BASA, the notes on Studio Art requirements only apply for the BFASA. Therefore, BFASA is added in parentheses notes for the 5 courses.

No changes to hours or course requirements or course choices.

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 outside of the sponsoring department impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

By the end of the First Year Experience Art and Design students will have:

Gained exposure to a wide variety of art making processes, materials, methods, and presentation strategies.
Been introduced to critical thinking and knowledge of contemporary issues in art and design.
Developed a verbal vocabulary that allows for informed criticism and debate in the critique process.
Gained an ability to use the investigative process to generate new solutions in their work and demonstrates the ability to problem solve using iterative strategies to complete projects.
An ability to recognize and use various forms of visual organization in their studio work.
Gained a knowledge of how to generate meaning in a variety of forms.
An ability to use design and drawing principles such as: (balance, symmetry/rhythm, space/perspective, sequence/time, eye movement, scale/proportion, unity/variety.

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program
Description and
Requirements
Attach Documents

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/PublicAdminRules2017.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.

Revised programs   Art Undeclared FA 24 side by side.docx
   Attach a revised Sample Sequence (for undergraduate program)
   or college-level forms.

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

Alan Mette
143 Art and Design Building, 408 East Peabody, Champaign
PH: (217) 333-0855
http://art.illinois.edu

The School of Art and Design offers bachelor of fine arts degrees in art & art history, art education, graphic design, industrial design, and photography. A bachelor of arts degree is offered in studio art with one of five concentrations: general studio art, new media, painting, printmaking, or sculpture. A bachelor of fine arts in studio art degree is offered with one of five concentrations: general studio art, new media, painting, printmaking, or sculpture.

All major's first-year experience will include courses in drawing, 2D, 3D, and 4D practices. Specialization begins in the second year.

Courses in the history and appreciation of art and certain courses in studio work are open to students from other colleges of the University. A field of concentration in art history is also offered in the College of Liberal Arts and Sciences. The school occupies studios, computing labs, workshops, classrooms, and offices in several different University buildings.

A portfolio review is required for admission to the School of Art and Design.

Contact: Mark Avery
Coordinator of Undergraduate Academic Affairs
School Office: 140 Art and Design Building, Champaign, 333-6632,
mavery@illinois.edu

Statement for Programs of Study Catalog

Students in the School of Art and Design must complete the Campus General Education requirements. Some Art and Design courses will also apply toward the General Education requirements.

A portfolio review is required for admission to the School of Art and Design.

Students majoring in this degree program must complete the First Year Curriculum requirements before beginning other major requirements.

First Year Curriculum

Course List

Code	Title	Hours
FAA 101	Arts at Illinois	1
ARTF 101	Contemporary Issues in Art	2
ARTE 101	Art, Design, and Society	2
ARTH 110	Introduction to the History of Art and Visual Culture	3
Select one Drawing course:		3
ARTF 102	Observational Drawing	

Code	Title	Hours
ARTF 104	Expressive Drawing	
ARTF 106	Visualization Drawing	
Select one course in 2D Category:		3
ARTD 151	Introduction to Graphic Design	
ARTS 205	Introduction to Printmaking (required for BFASA Studio Art: Printmaking)	
ARTS 221	Fashion Illustration (required for BFASA Studio Art: Fashion)	
ARTS 251	Beginning Painting (required for BFASA Studio Art: Painting)	
ARTS 264	Basic Photography (required for BFASA Studio Art: Photography)	
Select one course in 3D Category:		3
ARTD 101	Introduction to Industrial Design	
ARTS 210	Ceramics Sculpture I	
ARTS 230	Jewelry/Metals I	
ARTS 280	Beginning Sculpture (required for BFASA Studio Art: Sculpture)	
Select one course in 4D Category:		3
ARTS 241	Image Practice	
ARTS 243	Time Arts I	
ARTS 244	Interaction I	
Total Hours		20

Program Relationships

Corresponding
Program(s):

Corresponding Program(s)
Art & Art History, BFA
Art Education, BFA
Graphic Design, BFA
Industrial Design, BFA
Photography, BFA
Studio Art, BASA
Studio Art, BFASA

Program Features

Academic Level   Undergraduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Enrollments in these courses will be capped at 20.

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is an elimination/phase down proposal include the plans for the students left in the program.

No impact.

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)

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

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

No impact.

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.

Library collections, resources and services are sufficient to support this revision to Art Undeclared.

EP Documentation

EP Control Number	EP.24.023
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	NONE:Art Undeclared -UIUC
Program Code:	10KR4090NONE

Minor Code	Conc Code	Degree Code	Major Code
4090			

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
DOE Approval Date	
Effective Date:	
Attached	

Document Justification for this request	
Program Reviewer Comments	**Brooke Newell (bsnewell) (09/08/23 11:04 am):** Rollback: Justification clarification. Email sent to Nicole

Key: 863

Art Undeclared (key 863)- CURRENT

First Year Curriculum

FAA 101	Arts at Illinois	1
ARTF 101	Contemporary Issues in Art	2
ARTE 101	Art, Design, and Society	2
ARTH 110	Introduction to the History of Art and Visual Culture	3
Select one Drawing course:		3
ARTF 102	Observational Drawing	
ARTF 104	Expressive Drawing	
ARTF 106	Visualization Drawing	
Select one course in 2D Category:		3
ARTD 151	Introduction to Graphic Design	
ARTS 205	Introduction to Printmaking (required for Studio Art: Printmaking)	
ARTS 221	Fashion Illustration (required for Studio Art: Fashion)	
ARTS 251	Beginning Painting (required for Studio Art: Painting)	
ARTS 264	Basic Photography (required for Studio Art: Photography)	
Select one course in 3D Category:		3
ARTD 101	Introduction to Industrial Design	
ARTS 210	Ceramics Sculpture I	
ARTS 230	Jewelry/Metals I	
ARTS 280	Beginning Sculpture (required for Studio Art: Sculpture)	
Select one course in 4D Category:		3
ARTS 241	Image Practice	
ARTS 243	Time Arts I	
ARTS 244	Interaction I	
Total Hours		**20**

Art Undeclared (key 863)- PROPOSED

First Year Curriculum

FAA 101	Arts at Illinois	1
ARTF 101	Contemporary Issues in Art	2
ARTE 101	Art, Design, and Society	2
ARTH 110	Introduction to the History of Art and Visual Culture	3
Select one Drawing course:		3
ARTF 102	Observational Drawing	
ARTF 104	Expressive Drawing	
ARTF 106	Visualization Drawing	
Select one course in 2D Category:		3
ARTD 151	Introduction to Graphic Design	
ARTS 205	Introduction to Printmaking (required for BFASA Studio Art: Printmaking)	
ARTS 221	Fashion Illustration (required for BFASA Studio Art: Fashion)	
ARTS 251	Beginning Painting (required for BFASA Studio Art: Painting)	
ARTS 264	Basic Photography (required for BFASA Studio Art: Photography)	
Select one course in 3D Category:		3
ARTD 101	Introduction to Industrial Design	
ARTS 210	Ceramics Sculpture I	
ARTS 230	Jewelry/Metals I	
ARTS 280	Beginning Sculpture (required for BFASA Studio Art: Sculpture)	
Select one course in 4D Category:		3
ARTS 241	Image Practice	
ARTS 243	Time Arts I	
ARTS 244	Interaction I	
Total Hours		**20**

Program Change Request

Date Submitted: 09/07/23 1:13 pm

Viewing: **4043 : Recreation, Sport and Tourism Minor, UG**

Last approved: 02/12/21 2:03 pm

Last edit: 10/10/23 1:39 pm

Changes proposed by: Toni Liechty

Catalog Pages Using this Program

[Recreation, Sport & Tourism Minor](#)

Proposal Type:

In Workflow

1. **U Program Review**
2. **1714 Committee Chair**
3. **1714 Head**
4. **KY Committee Chair**
5. **KY Dean**
6. **University Librarian**
7. **COTE Programs**
8. **Provost**
9. **Senate EPC**
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DMI

Approval Path

1. 09/08/23 2:28 pm
   Donna Butler
   (dbutler):
   Approved for U
   Program Review
2. 09/08/23 3:39 pm
   Toni Liechty
   (tliechty):
   Approved for 1714
   Committee Chair
3. 09/08/23 8:28 pm
   William Stewart
   (wstewart):
   Approved for 1714
   Head
4. 09/18/23 9:59 pm
   Carla Santos
   (csantos):
   Approved for KY
   Committee Chair
5. 09/18/23 10:03

pm
Carla Santos
(csantos):
Approved for KY
Dean
6. 09/29/23 3:33 pm
Claire Stewart
(clairest):
Approved for
University
Librarian
7. 09/29/23 4:59 pm
Suzanne Lee
(suzannel):
Approved for
COTE Programs
8. 10/05/23 7:38 am
Brooke Newell
(bsnewell):
Approved for
Provost

History

1. Aug 24, 2020 by
Kim Shinew
(shinew)
2. Feb 12, 2021 by
Kim Shinew
(shinew)

Minor (ex. European Union Studies)

This proposal is
for a:
Revision

Administration Details

Official Program Name	Recreation, Sport and Tourism Minor, UG
Diploma Title	
Sponsor College	Applied Health Sciences
Sponsor Department	Recreation, Sport & Tourism
Sponsor Name	Dr. Toni Liechty ~~Kim Shinew~~

Sponsor Email	tliechty@illinois.edu ~~shinew@illinois.edu~~	
College Contact	Dr. Carla Santos	College Contact Email
	csantos@illinois.edu	
College Budget Officer		
College Budget Officer Email		

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Dr. Toni Liechty

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term	Fall 2023

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Revise the Undergraduate Minor in Recreation, Sport and Tourism in the College of Applied Health Sciences

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

Program Justification

Provide a brief description of what changes are being made to the program.	We would like to add a couple of courses to the list of elective options in the RST Minor. The courses to be added include:
	RST 370 - Research Methods and Analysis
	RST 335 - Leisure and Consumer Culture
	RST 407 - Sport Analytics: Data-Driven Decision Making
	RST 440 - Human Resource Management
	We would like to eliminate a course that we no longer offer:

We have also slightly updated the wording in the enrollment section.

Did the program content change 25% or more in relation to the total credit hours, since the 2020-2021 catalog. (http://catalog.illinois.edu/archivedacademiccatalogs/2020-2021/)

No

Why are these changes necessary?

We are updating the list of elective options to include new courses that have been developed since the minor was implemented and dropping one that is not currently being offered. Also, the updates provide more options for students at the 300 and 400 levels, which improves the balance of course options. The required courses and all other elective options will remain the same.

We have also slightly updated the wording in the enrollment section to be more clear and more consistent with how enrollment has happened in actual practice. When the program was first implemented, we proposed admitting at specific times, but have found that rather than making students wait it is easier for to just review on a rolling basis when they apply.

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 outside of the sponsoring department impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

> The learning objectives for RST Minors include the following:
> 1. Demonstrate a basic understanding of the history and theoretical underpinnings of recreation, sport and tourism in modern society.
> 2. Demonstrate a basic understanding of the essential management functions necessary to deliver and manage services in recreation, sport and tourism organizations.
> 3. Demonstrate an ability to apply knowledge of basic management principles to professional practice.
>
> These learning objectives will be met for all minors as these are concepts covered in the three required courses.
> Each RST course collects direct and/or indirect evidence every year to ensure learning objectives are being met, and then the assessment results are used to improve student learning.

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program
Description and
Requirements
Attach Documents

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/PublicAdminRules2017.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.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400- level courses. Except for clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

Revised programs   RST Minor Side By Side.xlsx
   Attach a revised Sample Sequence (for undergraduate program)
   or college-level forms.

Catalog Page Text - Overview Tab

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

The Department also offers a Minor. The RST Minor is open to students both inside and
outside the College of Applied Health Sciences. The minor is geared towards students
who have an interest in working in the sports, recreation or tourism industries, or
students who feel knowledge in these areas will help them succeed in their careers.
The course requirements for the minor are 19-21 hours. This includes three
foundational courses (9 hours) that all students are required to take followed by 10-12
courses from a list of approved electives. The foundational courses will enable students
to acquire knowledge about the broad range of the field and introduce them to the
different areas of the industry. At least 6 hours will be advanced (300 or 400 level
course), meeting the requirement for all minors. The elective courses will allow
students to gain expertise in a particular area of the field, or develop a deeper
knowledge base of the field and industry. Some electives may require completion of
prerequisites.

Statement for
Programs of
Study Catalog   **Minimum required course work:** Students must complete 9 hours of foundational
                  courses and 10-12 hours from approved electives, including at least six hours of
advanced (300-level or 400-level courses) and six hours of coursework must be distinct from credit earned
for the student's major or another minor.

Minimum hours required for completion: 19 hours.

<div align="center">Course List</div>

Code	Title	Hours
Foundational Courses		9
RST 100	Recreation, Sport, and Tourism in Modern Society	3
RST 210	Management in Recreation, Sport and Tourism	3
One of the following:		3
RST 120	Parks, Recreation, and Environments	
RST 130	Foundations of Sport Mgt	
RST 150	Foundations of Tourism	
RST Electives		4 to 6
RST 120	Parks, Recreation, and Environments	
RST 130	Foundations of Sport Mgt	
RST 150	Foundations of Tourism	
RST 180	Professional Applications	
RST 185	Professional Field Experiences	
RST 200	Leadership in Recreation, Sport and Tourism	
RST 205	Issues in Intercollegiate Athletics: The Big Ten Conference	
RST 216	Technology in Recreation, Sport and Tourism	
RST 230	Diversity in Recreation, Sport, and Tourism	

Code	Title	Hours
RST 240	Financial Resource Management in Recreation, Sport and Tourism	
RST 242	Nature and American Culture	
RST 255	Ethical Issues in Recreation, Sport and Tourism	
RST 260	Disability in Recreation, Sport and Tourism	
RST 270	Sport and Sustainability	
Six (6) hours from the following:		6
RST 301	Sport Brand Management	
RST 316	Human Development and Recreation, Sport and Tourism	
RST 317	Designing Parks and Recreation Experiences	
RST 325	Marketing in Recreation, Sport and Tourism	
RST 335	Leisure and Consumer Culture	
RST 340	Facility Management in Recreation, Sport and Tourism	
RST 350	Tourism and Culture	
RST 354	Legal Aspects of Sport	
RST 360	Communication in Recreation, Sport & Tourism	
RST 370	Research Methods & Analysis	
RST 407	Sport Analytics: Data-Driven Decision Making	
RST 440	HR Management in RST	
Total Hours:		19

Program Features

Academic Level   Undergraduate

Is this minor?
  A Comprehensive study in a single discipline

Is This a Teacher Certification Program?
                No

Will specialized accreditation be sought for this program?

  No

Other than certification via the students' degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?
                No

Delivery Method

This program is available:
  On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Will the department limit enrollment to the minor?

No

Describe how the department will monitor the admission to/enrollment in the minor.

The RST Department will ~~allow rolling~~ provide and coordinate two enrollment ~~periods (fall and spring semesters)~~ for the minor each academic year. Students will submit need to apply by the ~~due date by submitting the~~ following: 1) an application including their intent to minor, 2) a minor completion plan, and 3) any additional information they would like to be considered. Initially, the minor will be open to all undergraduates. If the minor develops in popularity beyond the department's ability to administer it effectively, the department will implement additional requirements (e.g., minimum GPA). RST has an undergraduate advisor who will work with the Director of Undergraduate Studies in guiding students in the minor.

Are there any prerequisites for the proposed minor?

No

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is an elimination/phase down proposal include the plans for the students left in the program.

We hope this revision will make the RST Minor even more attractive to students by offering more options.

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)

Financial Resources

How does the unit intend to financially support this proposal?

There are no foreseen budgetary implications to the proposed minor that will require additional financial support. The number of faculty in RST is sufficient to handle the anticipated demand for the minor. Also, the required courses are not currently at capacity and can handle more students without the need for additional financial resources. Thus, no resources are needed to develop new courses or add sections to existing courses. It is anticipated that approximately 30 students will enroll in the minor when it is at full capacity. Current resources including classrooms and faculty are adequate to accommodate the additional students.

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

No

Attach letters of
support

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.

Library collections, resources and services are sufficient to support this program revision.

EP Documentation

EP Control Number	EP.24.023
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	Recreation, Sport and Tourism
Program Code:	4043

Minor Code	4043	Conc Code		Degree Code		Major Code	

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval

Date

DOE Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer   **Brooke Newell (bsnewell) (04/18/23 10:44 am):** Rollback: Email sent to Kim
Comments   Shinew, Carla Santos, Robbin King, Reggie Alston
                     Brooke Newell (bsnewell) (09/05/23 12:14 pm): Rollback: Requested revisions
                     to Justification, Program of Study side by side and table, and question regarding RST
                     270 being deactivated if no longer being offered? Email sent to Toni, Robbin, and Carla
                     Brooke Newell (bsnewell) (09/06/23 11:05 am): Rollback: Side by side
                     requested revisions. Email sent to Toni.

Key: 964

Current Program of Study

Minimum required course work: Students must complete 9 hours of foundational courses and 10-12 hours from approved electives, including at least six hours of advanced (300-level or 400-level courses) and six hours of coursework must be distinct from credit earned for the student's major or another minor.

Minimum hours required for completion: 19 hours.

Foundational Courses		9
RST 100	Recreation, Sport, and Tourism in Modern Society	3
RST 210	Management in Recreation, Sport and Tourism	3
One of the following:		3
RST 120	Parks, Recreation, and Environments	
RST 130	Foundations of Sport Mgt	
RST 150	Foundations of Tourism	
RST Electives		4 to 6
RST 120	Parks, Recreation, and Environments	
RST 130	Foundations of Sport Mgt	
RST 150	Foundations of Tourism	
RST 180	Professional Applications	
RST 185	Professional Field Experiences	
RST 200	Leadership in Recreation, Sport and Tourism	
RST 205	Issues in Intercollegiate Athletics: The Big Ten Conference	
RST 216	Technology in Recreation, Sport and Tourism	
RST 230	Diversity in Recreation, Sport, and Tourism	
RST 240	Financial Resource Management in Recreation, Sport and Tourism	
RST 242	Nature and American Culture	
RST 255	Ethical Issues in Recreation, Sport and Tourism	
RST 260	Disability in Recreation, Sport and Tourism	
RST 270	**Sport and Sustainability**	
Six (6) hours from the following:		6
RST 301	Sport Brand Management	
RST 316	Human Development and Recreation, Sport and Tourism	
RST 317	Designing Parks and Recreation Experiences	
RST 325	Marketing in Recreation, Sport and Tourism	
RST 340	Facility Management in Recreation, Sport and Tourism	
RST 350	Tourism and Culture	
RST 354	Legal Aspects of Sport	
RST 360	Communication in Recreation, Sport & Tourism	
Total Hours:		19 to 21

Proposed Program of Study

Minimum required course work: Students must complete 9 hours of foundational courses and 10-12 hours from approved electives, including at least six hours of advanced (300-level or 400-level courses) and six hours of coursework must be distinct from credit earned for the student's major or another minor.

Minimum hours required for completion: 19 hours.

Foundational Courses		9
RST 100	Recreation, Sport, and Tourism in Modern Society	3
RST 210	Management in Recreation, Sport and Tourism	3
One of the following:		3
RST 120	Parks, Recreation, and Environments	
RST 130	Foundations of Sport Mgt	
RST 150	Foundations of Tourism	
RST Electives		4 to 6
RST 120	Parks, Recreation, and Environments	
RST 130	Foundations of Sport Mgt	
RST 150	Foundations of Tourism	
RST 180	Professional Applications	
RST 185	Professional Field Experiences	
RST 200	Leadership in Recreation, Sport and Tourism	
RST 205	Issues in Intercollegiate Athletics: The Big Ten Conference	
RST 216	Technology in Recreation, Sport and Tourism	
RST 230	Diversity in Recreation, Sport, and Tourism	
RST 240	Financial Resource Management in Recreation, Sport and Tourism	
RST 242	Nature and American Culture	
RST 255	Ethical Issues in Recreation, Sport and Tourism	
RST 260	Disability in Recreation, Sport and Tourism	
Six (6) hours from the following:		6
RST 301	Sport Brand Management	
RST 316	Human Development and Recreation, Sport and Tourism	
RST 317	Designing Parks and Recreation Experiences	
RST 325	Marketing in Recreation, Sport and Tourism	
RST 335	**Leisure and Consumer Culture**	
RST 340	Facility Management in Recreation, Sport and Tourism	
RST 350	Tourism and Culture	
RST 354	Legal Aspects of Sport	
RST 360	Communication in Recreation, Sport & Tourism	
RST 370	**Research Methods and Analysis**	
RST 407	**Sport Analytics: Data-Driven Decision Making**	
RST 440	**Human Resource Management**	
Total Hours:		19

Program Change Request

Date Submitted: 07/19/23 9:58 am

Viewing: **10KP5183BS : Nuclear, Plasma, and Radiological Engineering, BS**

Last approved: 04/05/22 2:04 pm

Last edit: 10/10/23 1:44 pm

Changes proposed by: Becky Meline

Catalog Pages Using this Program	Nuclear, Plasma, & Radiological Engineering, BS Nuclear, Plasma, and Radiological Engineering: Plasma & Fusion Science & Engineering, BS Nuclear, Plasma, and Radiological Engineering: Power, Safety & Environment, BS Nuclear, Plasma, and Radiological Engineering: Radiological, Medical & Instrumentation Applications, BS

Proposal Type:

Claire Stewart (clairest): Approved for University Librarian
6. 09/29/23 4:53 pm Suzanne Lee (suzannel): Approved for COTE Programs
7. 10/05/23 7:38 am Brooke Newell (bsnewell): Approved for Provost

History

1. Dec 14, 2018 by Deb Forgacs (dforgacs)
2. Apr 25, 2019 by Deb Forgacs (dforgacs)
3. Aug 12, 2019 by Deb Forgacs (dforgacs)
4. Feb 26, 2020 by Brooke Newell (bsnewell)
5. Mar 31, 2020 by Deb Forgacs (dforgacs)
6. Nov 16, 2021 by Becky Meline (bmeline)
7. Nov 18, 2021 by Kathy Martensen (kmartens)
8. Nov 18, 2021 by Kathy Martensen (kmartens)
9. Apr 5, 2022 by Becky Meline (bmeline)

Major (ex. Special Education)

This proposal is

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for a:
    Revision
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Administration Details

Official Program Name	Nuclear, Plasma, and Radiological Engineering, BS
Diploma Title	
Sponsor College	Grainger College of Engineering
Sponsor Department	Nuclear, Plasma & Rad Engr
Sponsor Name	Tomasz Kozlowski
Sponsor Email	txk@illinois.edu
College Contact	Jonathan Makela

College Contact Email

jmakela@illinois.edu

College Budget Officer	Tessa Hile
College Budget Officer Email	tmhile@illinois.edu

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Ashley Hallock; ~~Brooke Newell, bsnewell@illinois.edu, GCOE;~~ Becky Meline, bmeline@illinois.edu, NPRE

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term	Fall 2023

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Revise the Bachelor of Science in Nuclear, Plasma, and Radiological Engineering in the Grainger College of Engineering

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

This BS proposal is related to the NPRE: Power, Safety & Environment, BS (key 1110).

Program Justification

Provide a brief description of what changes are being made to the program.

Updating POS table to include names of concentrations and links to appropriate catalog pages. Also adding in Upper-division coursework statement.

Did the program content change 25% or more in relation to the total credit hours, since the 2020-2021 catalog. (http://catalog.illinois.edu/archivedacademiccatalogs/2020-2021/)
No

Why are these changes necessary?

Increase transparency per Provost's Office request while doing concentration transparency project.

40 hours upper-division can be met:

ME 310 or TAM 335 (4)
NPRE 321 (3)
NPRE 330 (3)
NPRE 349 (2)
NPRE 441 (4)
NPRE 445 (4)
NPRE 449 (3)
NPRE 451 (3)
NPRE 455 (4)
NPRE 458 (4)
MATH 241 (4) - Prereq. MATH 231 and MATH 220/MATH 221
PHYS 212 (4) - Prereq. PHYS 211, MATH 241, MATH 231, and MATH 220/221

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 outside of the sponsoring department impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

The Department of Nuclear, Plasma, and Radiological Engineering has undergraduate curriculum program education objectives (PEOs) that prepare our graduates to succeed in early career (two to five years post-graduation) professional activities in paths related to the NPRE discipline. These PEOs are:

1. To succeed as engineers in the 21st Century in a globally-connected technological environment in which best practices are shared internationally free of borders.
2. To advance in career paths associated with the NPRE disciplines, including commercial nuclear power, plasma sciences and technology, and radiological sciences related opportunities.
3. To pursue further academic growth, obtaining advanced degrees in disciplines related, but not limited, to the disciplines associated with NPRE technical areas.
4. To provide leadership to professional and societal communities in a general way and in ways specific to the NPRE disciplines.
5. To engage in life-long learning and professional development, staying abreast of the ever-evolving technological landscape related to the NPRE disciplines.
6. To contribute to society in a professional, responsible and ethical manner.

Process for Development and Approval of NPRE Program Educational Objectives:

1. A subgroup of the NPRE Faculty drafts a revised set of PEOs consistent with desired impact of the NPRE BS degree program.
2. The proposed PEOs were presented to the full NPRE faculty for discussion and possible revision.
3. Following updates of the draft PEOs by the NPRE faculty, the proposed new PEOs are sent to the entire NPRE Advisory Board (Constituent Alumni Industry Advisory Board) for their input and comment. In order to provide sufficient exchange among the NPRE Board members, a conference call is held to systematically discuss the proposed PEOs. This discussion may result in additional changes to the proposed set of PEOs. In the case of the 2013 Constituent Alumni Industry Advisory Board, a heavier emphasis on "leadership" and an independent statement about profession and ethical behavior also included to emphasize the importance of this objective.
4. All current NPRE BS students are invited to participate in a general discussion about the PEOs and to provide comments about their content and implantation. A discussion session was held with a representative number of students which provided further revisions in the PEO's particularly in terms of the wording regarding future professional practice. In addition, the local ANS student chapter was asked to review the PEOs for value and appropriateness.
5. The revised and vetted PEOs were again presented to the full NPRE faculty. Revisions during the other review steps were discussed as well as other suggestions from the various groups. The NPRE faculty voted unanimously to accept the final version of the revised PEOs.
6. The new NPRE PEOs were placed on the NPRE website so that they were available to the public and in particular the various constituencies of the NPRE BS degree program.

This process allows for assessment and improvements required to maintain the quality and vitality of the program. The central component in the process is the Faculty of the

NPRE Department since they are directly responsible for setting the Program Educational Objectives, instituting changes in the courses and curriculum based on a careful analysis of the assessment data, and developing capable B.S. graduates who achieve the Program Educational Objectives.

The student outcomes are:

1. An ability to identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics.
a) Identify, formulate, and solve engineering problems.
b) Advanced mathematics applied to nuclear engineering concepts.
c) Transport and interaction of radiation with matter.
d) Atomic and nuclear physics, quantum mechanics.
e) Computational solutions.
2. An ability to apply the engineering design process to produce solutions that meet specified needs with consideration for public health and safety, and global, cultural, social, environmental, economic, and other factors as appropriate to the discipline.
3. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
a) Develop and conduct experiments, analyze and interpret data, and use engineering judgment to draw conclusions.
b) Measure nuclear and radiation processes specifically.
c) Analyze and interpret data, using engineering judgement to draw conclusions from experimental data.
4. An ability to communicate effectively with a range of audiences.
5. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
a) Recognize ethical and professional responsibilities.
b) Make informed judgements.
6. An ability to recognize the ongoing need to acquire new knowledge, to choose appropriate learning strategies, and to apply this knowledge.
7. An ability to function effectively as a member or leader of a team that establishes goals, plans tasks, meets deadlines, and creates a collaborative and inclusive environment.

The relationship between the Program Educational Objectives and the Student Outcomes are maintained by the department. Student Outcomes represent process-oriented activities that either directly or in combination prepare students to satisfy all PEOs upon completion of the B.S. NPRE degree program.

The assessment process for student outcomes employed by the NPRE Department is as follows:

1. Work products for each 1-7 outcomes (including sub-outcomes) are determined by each instructor in consultation with the Associate Head for Undergraduate Programs (Kozlowski). The frequency of this element of our process is approximately once every two years.
2. The level of mastery is determined by each instructor and review by the Associate

Head for Undergraduate Programs. Generally, typically work products require levels of mastery at 75% or higher.

3. Instructors for the courses coupled to the 1-7 outcomes collect the associated work products and distill these into a numeric scores. This occurs each semester the course is taught.

4. The instructor determines the percentage of students obtaining mastery for each work product. This occurs each semester the course is taught.

5. The instructor generates a document that includes the performance of the student body in the course with respect to the outcome and the number of students that achieved mastery. This occurs each semester the course is taught.

6. These reports are forwarded to the Associate Head for Undergraduate Programs for review. This occurs each semester the course is taught.

7. Periodically, the Undergraduate Curriculum subcommittee reviews the reports. This is review then serves as a basis for modification of either the course or elements of the NPRE curriculum. The frequency of this element of our process is approximately once every two years.

8. The Undergraduate Curriculum subcommittee reviews the assessments work products periodically to ensure these continue to be appropriate for 1-7 outcome assessment. The frequency of this review is approximately once every two years. Instructors are consulted if this review determines that changes in work product(s) are warranted.

The assessment of student outcomes forms the basis of the NPRE Department continuous improvement process for the undergraduate curriculum. These are routinely reviewed by the Associate Head for Undergraduate Programs and by the Undergraduate Curriculum Subcommittee.

Suggestions for changes and improvements in the academic program are encouraged and sought from all members of the Department constituencies. Suggestions may be submitted formally or informally, or may develop from a general assessment of changes in the discipline due to local, national, or international policies or trends. Suggestions for changes or improvements are considered by the Faculty, typically in faculty meetings or in ad hoc subcommittees of the Faculty. Individuals or groups may develop substantive proposals for changes which would be implemented pending a positive response from the Faculty in consultation with the constituencies.

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program Description and Requirements Attach Documents	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/PublicAdminRules2017.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.

Revised programs	Sample Sequence NPRE Fall 2023 BJM.docx
Attach a revised Sample Sequence (for undergraduate program) or college-level forms.	

Catalog Page Text - Overview Tab

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

Statement for Programs of Study Catalog

Graduation Requirements

Minimum **Technical GPA**: **2.0**
TGPA is required for NPRE 200 and NPRE 247. See **Technical GPA** to clarify requirements.
Minimum Overall GPA: 2.0

Minimum hours required for graduation: 128 hours, to include a minimum of 40 hours of upper-division coursework generally at the 300- and 400-level. These hours can be drawn from all elements of the degree. ~~128 hours~~

General education: Students must complete the **Campus General Education** requirements including the campus general education language requirement. One of the SBS courses must be an introductory economics course (ECON 102 or ECON 103). NPRE 481 will satisfy a technical elective requirement in the Professional Concentration Area and the Campus General Education Advanced Composition requirement.

Orientation and Professional Development
Course List

Code	Title	Hours

Code	Title	Hours
ENG 100	Grainger Engineering Orientation Seminar (External transfer students take ENG 300.)	1
NPRE 100	Orientation to NPRE	1
Total Hours		2

Foundational Mathematics and Science

Course List

Code	Title	Hours
CHEM 102	General Chemistry I	3
CHEM 103	General Chemistry Lab I	1
MATH 221	Calculus I (MATH 220 may be substituted. MATH 220 is appropriate for students with no background in calculus. 4 of 5 credit hours count towards degree.)	4
MATH 231	Calculus II	3
MATH 241	Calculus III	4
MATH 257	Linear Algebra with Computational Applications	3
MATH 285	Intro Differential Equations	3
PHYS 211	University Physics: Mechanics	4
PHYS 212	University Physics: Elec & Mag	4
Total Hours		29

Nuclear, Plasma, and Radiological Engineering Technical Core

Course List

Code	Title	Hours
CS 101	Intro Computing: Engrg & Sci (CS 124 may be taken instead of CS 101.)	3
ECE 205	Electrical and Electronic Circuits	3
ME 200	Thermodynamics	3
ME 310	Fundamentals of Fluid Dynamics	4
or TAM 335	Introductory Fluid Mechanics	
NPRE 200	Mathematics for Nuclear, Plasma, and Radiological Engineering	2
NPRE 247	Modeling Nuclear Energy System	3
NPRE 321	Introduction to Plasmas and Applications	3
NPRE 330	Materials in Nuclear Engineering	3
NPRE 349	Introduction to NPRE Heat Transfer	2
NPRE 441	Radiation Protection	4
NPRE 445	Interaction of Radiation with Matter	4
NPRE 449	Nuclear Systems Engineering and Design	3
NPRE 451	NPRE Laboratory	3
NPRE 455	Neutron Diffusion & Transport	4
NPRE 458	Design in NPRE	4
TAM 210	Introduction to Statics (TAM 211 may be taken instead of TAM 210. The extra hour may be applied towards the Professional Concentration Area electives.)	2
TAM 212	Introductory Dynamics (PHYS 325 may be taken instead of TAM 212 for students pursuing the PHYS minor.)	3
Total Hours		53

Professional Concentration Area

Course List

Code	Title	Hours
Professional Concentration Area		17
Choose one from list below:		

Code	Title	Hours
Plasma & Fusion Science & Engineering		17
Power, Safety & Environment		17
Radiological, Medical & Instrumentation Applications		17

Free Electives

Course List		
Code	Title	Hours
Additional course work, subject to the Grainger College of Engineering restrictions to Free Electives, so that there are at least 128 credit hours earned toward the degree.		11
Total Hours of Curriculum to Graduate		128

Corresponding Degree	BS Bachelor of Science

Program Features

Academic Level	Undergraduate
Does this major have transcripted concentrations?	Yes
Will you admit to the concentration directly?	No
Is a concentration required for graduation?	Yes

What is the typical time to completion of this program?
  4 years

What are the minimum Total Credit Hours required for this program?
  128

CIP Code	142301 - Nuclear Engineering.

Is This a Teacher Certification Program?
          No

Will specialized accreditation be sought for this program?

  No

Delivery Method

This program is available:
  On Campus - Students are required to be on campus, they may take some online courses.

Admission Requirements

Desired Effective
Admissions Term

Is this revision a change to the admission status of the program?

No

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.

Enrollment

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is an elimination/phase down proposal include the plans for the students left in the program.

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

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)

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

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Are you seeking a change in the tuition rate or differential for this program?

No

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

NA

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.

Library collections, resources and services are sufficient to support this program.

EP Documentation

EP Control Number	EP.24.023
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BS: Nucl, Plasma, Rad Eng-UIUC
Program Code:	10KP5183BS

Minor		Conc		Degree	BS		Major

Code	Code	Code	Code	5183

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

DOE Approval Date

Effective Date:

Attached Document Justification for this request

Program Reviewer Comments

Sample Sequence for the degree of Bachelor of Science in Nuclear, Plasma & Radiological Engineering

First Year			
First Semester Courses	**Hours**	**Second Semester Courses**	**Hours**
NPRE 100	1	CS 101 (CS 124 may be substituted)	3
MATH 221 (MATH 220 may be substituted)	4	MATH 231	3
ENG 100	1	PHYS 211	4
CHEM 102	3	Language Other than English (3rd level) or Composition I course	4
CHEM 103	1	ECON 102 or ECON 103 (counts as General Education course)	3
Composition I or Language Other Than English (3rd level) course	4		
General Education course (choose a Humanities or Social/Behavioral Science course with Cultural Studies designation)	3		
semester sum	17	semester sum	17
Second Year			
First Semester Courses	**Hours**	**Second Semester Courses**	**Hours**
NPRE 200	2	NPRE 247	3
MATH 241	4	MATH 285	3
PHYS 212	4	ME 200	3
TAM 210 (TAM 211 may be substituted)	2	TAM 212 (PHYS 325 may be substituted)	3
General Education course (choose a Humanities or Social/Behavioral Science course with Cultural Studies designation)	3	Free elective course	3
Free elective course	2		
semester sum	17	semester sum	15

Third Year			
First Semester Courses	**Hours**	**Second Semester Courses**	**Hours**
NPRE 321 or NPRE 330 (Order of semester taken will depend upon concentration course)	3	NPRE 349	2
MATH 257	3	NPRE 451	3
NPRE 445	4	NPRE 455	4
TAM 335 (ME 310 may be substituted)	4	ECE 205	3
General Education course (choose a Humanities or Social/Behaioral Science course with Cultural Studies designation)	3	Concentration Coursework	3
semester sum	17	semester sum	15
Fourth Year			
First Semester Courses	**Hours**	**Second Semester Courses**	**Hours**
NPRE 321 or NPRE 330 (Order of semester taken will depend upon concentration course)	3	NPRE 441	4
NPRE 449	3	NPRE 458	4
Concentration Coursework	3	Concentration Coursework	3
Concentration Coursework	3	Concentration Coursework	3
Concentration Coursework	2		
Free elective course	2		
semester sum	16	semester sum	14
Total Hours : 128			

Program Change Request

Date Submitted: 07/19/23 10:53 am

Viewing: **3913 : Nuclear, Plasma, and Radiological Engineering: Power, Safety & Environment, BS**

Last approved: 03/01/22 2:50 pm

Last edit: 10/10/23 1:46 pm

Changes proposed by: Becky Meline

Catalog Pages Using this Program	Nuclear, Plasma, and Radiological Engineering: Power, Safety & Environment, BS

Proposal Type:

Approval Path

1. 07/21/23 12:29 pm
   Donna Butler (dbutler): Approved for U Program Review
2. 07/23/23 11:00 am
   Rizwan Uddin (rizwan): Approved for 1973 Head
3. 09/15/23 8:44 am
   Ashley Hallock (ahallock): Approved for KP Committee Chair
4. 09/15/23 8:49 am
   Michael Stoller (stoller4): Approved for KP Dean
5. 09/29/23 3:32 pm

History

Concentration (ex. Dietetics)

This proposal is for a:
  Revision

Administration Details

Official Program Name	Nuclear, Plasma, and Radiological Engineering: Power, Safety & Environment, BS
Diploma Title	
Sponsor College	Grainger College of Engineering
Sponsor Department	Nuclear, Plasma & Rad Engr
Sponsor Name	Tomasz Kozlwsoki
Sponsor Email	txk@illinois.edu
College Contact	Ashley Hallock ~~Brooke Newell~~

College Contact Email

ahallock@illinois.edu
~~bsnewell@illinois.edu~~

College Budget Officer	Tessa Hile
College Budget Officer Email	tmhile@illinois.edu

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Becky Meline, bmeline@illinois.edu

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term	Fall 2024

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Revise the concentration in Power, Safety, and the Environment in the Bachelor of Science in Nuclear, Plasma, and Radiological Engineering in the Grainger College of Engineering

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

This concentration proposal is related to the NPRE, BS (key 123).

Program Justification

Provide a brief description of what changes are being made to the program.	Removing deactivated course (CEE 446) and adding major course work into table per Provost's Office request.

Did the program content change 25% or more in relation to the total credit hours, since the 2020-2021 catalog. (http://catalog.illinois.edu/archivedacademiccatalogs/2020-2021/)

No

Why are these changes necessary?

CEE 446 was deactivated and is no longer available for students to take.

Major coursework added into the table for increased transparency.

40 hour upper-division can be met:

ME 310 or TAM 335 (4)
NPRE 321 (3)
NPRE 330 (3)
NPRE 349 (2)
NPRE 441 (4)
NPRE 445 (4)
NPRE 449 (3)
NPRE 451 (3)
NPRE 455 (4)
NPRE 458 (4)
NPRE 432 (2)
MATH 241 (4) - Prereq. MATH 231 and MATH 220/MATH 221
PHYS 212 (4) - Prereq. PHYS 211, MATH 241, MATH 231, and MATH 220/221

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 outside of the sponsoring department impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

Student learning outcomes are based on learning outcomes in line with the ABET accreditation process.

Nuclear, Plasma, & Radiological Engineering graduates will have:

An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
An ability to communicate effectively with a range of audiences.
An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
An ability to acquire and apply new knowledge as needed, using appropriate learning strategies. See NPRE BS key 123.

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program
Description and
Requirements
Attach Documents

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/PublicAdminRules2017.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.

Revised programs   NPRE Power Sequence Fall 2023.docx
  Attach a revised Sample Sequence (for undergraduate program)
  or college-level forms.

Catalog Page Text - Overview Tab

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

Statement for
Programs of
Study Catalog

Graduation Requirements

Minimum Technical GPA: 2.0
TGPA is required for NPRE 200 and NPRE 247. See **Technical GPA** to clarify requirements.

Minimum Overall GPA: 2.0

Minimum hours required for graduation: 128 hours, to include a minimum of 40 hours of upper-division coursework generally at the 300- and 400-level. These hours can be drawn from all elements of the degree.

General education: Students must complete the Campus General Education requirements including the campus general education language requirement. One of the SBS courses must be an introductory economics course (ECON 102 or ECON 103). NPRE 481 will satisfy a technical elective requirement in the Professional Concentration Area and the Campus General Education Advanced Composition requirement.

Orientation and Professional Development

Course List

Code	Title	Hours
ENG 100	Grainger Engineering Orientation Seminar (External transfer students take ENG 300.)	1
NPRE 100	Orientation to NPRE	1
Total Hours		2

Foundational Mathematics and Science

Course List

Code	Title	Hours
CHEM 102	General Chemistry I	3
CHEM 103	General Chemistry Lab I	1
MATH 221	Calculus I (MATH 220 may be substituted. MATH 220 is appropriate for students with no background in calculus. 4 of 5 credit hours count towards degree.)	4
MATH 231	Calculus II	3
MATH 241	Calculus III	4

Code	Title	Hours
MATH 257	Linear Algebra with Computational Applications	3
MATH 285	Intro Differential Equations	3
PHYS 211	University Physics: Mechanics	4
PHYS 212	University Physics: Elec & Mag	4
Total Hours		29

Nuclear, Plasma, and Radiological Engineering Technical Core

Course List

Code	Title	Hours
CS 101	Intro Computing: Engrg & Sci (CS 124 may be taken instead of CS 101.)	3
ECE 205	Electrical and Electronic Circuits	3
ME 200	Thermodynamics	3
ME 310	Fundamentals of Fluid Dynamics	4
or TAM 335	Introductory Fluid Mechanics	
NPRE 200	Mathematics for Nuclear, Plasma, and Radiological Engineering	2
NPRE 247	Modeling Nuclear Energy System	3
NPRE 321	Introduction to Plasmas and Applications	3
NPRE 330	Materials in Nuclear Engineering	3
NPRE 349	Introduction to NPRE Heat Transfer	2
NPRE 441	Radiation Protection	4
NPRE 445	Interaction of Radiation with Matter	4
NPRE 449	Nuclear Systems Engineering and Design	3
NPRE 451	NPRE Laboratory	3
NPRE 455	Neutron Diffusion & Transport	4
NPRE 458	Design in NPRE	4
TAM 210	Introduction to Statics (TAM 211 may be taken instead of TAM 210. The extra hour may be applied towards the Professional Concentration Area electives.)	2
TAM 212	Introductory Dynamics (PHYS 325 may be taken instead of TAM 212 for students pursuing the PHYS minor.)	3
Total Hours		53

Professional Concentration Area

Course List

Code	Title	Hours
Required Course		2
NPRE 432	Nuclear Engrg Materials Lab	2
Technical Electives		15

From Departmentally Approved List of Technical Electives - students are to take at least 6 hours from the NPRE Power Concentration Electives list. The remaining hours may be taken from any course on the Technical Electives list. The student is to confer with their academic adviser on a chosen course set to ensure that a strong program is achieved.

NPRE Power Concentration Electives List		
NPRE 412	Nuclear Power Econ & Fuel Mgmt	3 or 4
NPRE 413	Nuclear Separations and Fuel Reprocessing	2 or 3
NPRE 430	Advanced Materials in Nuclear Engineering	3
NPRE 442	Radioactive Waste Management	3

Code	Title	Hours
NPRE 457	Safety Anlys Nucl Reactor Syst	3 or 4
NPRE 461	Probabilistic Risk Assessment	3 or 4
NPRE 480	Energy and Security	3
NPRE 498	Special Topics	1 to 4

Other Technical Electives

Technical Electives from NPRE or from other departments in the subfields: Thermal Sciences; Power and Control Systems; Solid, Fluid and Continuum Mechanics; Computational Sciences and Engineering; Environmental Engineering and Science.

Code	Title	Hours
NPRE 199	Undergraduate Open Seminar (May be repeated in separate terms to a maximum of 2 times.)	1
NPRE 201	Energy Systems	2 or 3
NPRE 398	Special Topics	1 to 4
NPRE 470	Fuel Cells & Hydrogen Sources	3
NPRE 475	Wind Power Systems	3 or 4
NPRE 481	Writing on Technol & Security	3 or 4
NPRE 483	Seminar on Security	1
Thermal Sciences		
ME 320	Heat Transfer	4
ME 400	Energy Conversion Systems	3 or 4
ME 402	Design of Thermal Systems	3 or 4
ME 404	Intermediate Thermodynamics	4
ME 410	Intermediate Gas Dynamics	3 or 4
ME 411	Viscous Flow & Heat Transfer	4
ME 420	Intermediate Heat Transfer	4
Power and Control Systems		
ECE 329	Fields and Waves I	3
ECE 310	Digital Signal Processing	3
ECE 330	Power Ckts & Electromechanics	3
ECE 476	Power System Analysis	3
ECE 486	Control Systems	4
Solid, Fluid and Continuum Mechanics		
TAM 251	Introductory Solid Mechanics	3
TAM 252	Solid Mechanics Design	1
TAM 424	Mechanics of Structural Metals	3 or 4
TAM 435	Intermediate Fluid Mechanics	4
TAM 445	Continuum Mechanics	4

Code	Title	Hours
TAM 451	Intermediate Solid Mechanics	4
TAM 456	Experimental Stress Analysis	3
Computational Sciences and Engineering		
CS 357	Numerical Methods I	3
CS 450	Numerical Analysis	3 or 4
ME 471	Finite Element Analysis	3 or 4
STAT 400	Statistics and Probability I	4
Environmental Engineering and Science		
CEE 201	Systems Engrg & Economics	3
CEE 330	Environmental Engineering	3
CEE 437	Water Quality Engineering	3
CEE 443	Env Eng Principles, Chemical	4
CEE 444	Env Eng Principles, Biological	4
CEE 446	Course CEE 446 Not Found	
CEE 447	Atmospheric Chemistry	4
Total Hours		17

Free Electives

Course List		
Code	Title	Hours
Additional course work, subject to the Grainger College of Engineering restrictions to Free Electives, so that there are at least 128 credit hours earned toward the degree.		11
Total Hours of Curriculum to Graduate		128

Program Relationships

Corresponding
Program(s):

Corresponding Program(s)
Nuclear, Plasma, and Radiological Engineering, BS

Program Features

Academic Level   Undergraduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is
available:
On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is an elimination/phase down proposal include the plans for the students left in the program.

There is no impact on enrollment with this revision.

Budget

Are there   No
budgetary
implications for
this revision?

Will the program or revision require staffing (faculty, advisors, etc.)
beyond what is currently available?

No

Additional Budget
Information

Attach File(s)

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

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

There is no impact to faculty resources with this revision.

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.

Library collections, resources and services are sufficient to support this revision.

EP Documentation

EP Control Number	EP.24.023
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	Power, Safety, and the Environment
Program Code:	3913

Minor Code		Conc Code	3913	Degree Code	BS	Major Code
5183						

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
DOE Approval Date	
Effective Date:	
Attached Document	

Justification for
this request

Program Reviewer
Comments

Nuclear, Plasma, and Radiological Engineering: Power, Safety & Environment, BS

for the degree of Bachelor of Science in Nuclear, Plasma, & Radiological Engineering with a concentration in Power, Safety & Environment

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Sample Sequence
This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence. The curriculum sequence can also be viewed via [dynamic and static curricular maps](), which include prerequisite sequencing.

Students must fulfill their Language Other Than English requirement by successfully completing a third level of a language other than English. See the corresponding section on the [Degree and General Education Requirements](). One of the SBS courses must be an introductory economics course ([ECON 102]() or [ECON 103]()). [NPRE 481]() will satisfy a technical elective requirement in the Professional Concentration Area and the Campus General Education Advanced Composition requirement. If [NPRE 481]() is not selected, a separate Advanced Composition course must be taken.

Free Electives: Additional course work, subject to the [Grainger College of Engineering restrictions to Free Electives](), so that there are at least 128 credit hours earned toward the degree.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
NPRE 100	1	CS 101 (CS 124 may be substituted)	3
MATH 221 (MATH 220 may be substituted)	4	MATH 231	3
ENG 100	1	PHYS 211	4
CHEM 102	3	Language Other Than English (3rd level) or Composition I course	4
Composition I or Language Other Than English (3rd level) course	4	ECON 102 or ECON 103 (counts as General Education course)	3
CHEM 103	1		
General Education course (choose a Humanities or Social/Behavioral Science course with Cultural Studies designation)	3		
	17		**17**

Second Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
NPRE 200	2	NPRE 247	3
MATH 241	4	MATH 285	3
PHYS 212	4	ME 200	3
TAM 210 (TAM 211 may be substituted)	2	TAM 212 (PHYS 325 may be substituted)	3
General Education course (choose a Humanities or Social/Behavioral Science course with Cultural Studies designation)	3	Free elective course	3
Free elective course	2		
	17		**15**

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
NPRE 330 (or NPRE 321)	3	NPRE 349	2
MATH 257	3	NPRE 451	3
NPRE 445	4	NPRE 455	4
TAM 335 (ME 310 may be substituted)	4	ECE 205	3
General Education course (choose a Humanities or Social/Behavioral Science course with Cultural Studies designation)	3	Technical elective course	3
	17		**15**

Fourth Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
NPRE 321 (or NPRE 330)	3	NPRE 441	4
NPRE 432	2	NPRE 458	4
Technical Elective	3	Technical elective course	3
NPRE 449	3	Technical elective course	3
Technical elective course	3		
Free elective course	2		
	16		**14**

Total Hours 128