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

EP.22.082   Report of Administrative Approvals through January 31, 2022

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 January 31, 2022. Additional information for each approval is attached.

A. **Graduate Programs**
   1) **MME in Music Education** – revises the music electives and music education electives list as well as the EPSY, EPOL, or CI requirement as detailed in the attachment. There is no change in the total hours required for the degree.
   2) **MA in Geography** – updates the courses to reflect the department's current rubric, GGIS, as detailed in the attachment. There is no change in the total hours required for the degree.
   3) **PhD in Geography** -- updates the courses to reflect the department's current rubric, GGIS, as detailed in the attachment. There is no change in the total hours required for the degree.
   4) **MS in Geography** -- updates the courses to reflect the department's current rubric, GGIS, as detailed in the attachment. There is no change in the total hours required for the degree.
   5) **Geographic Information Science – Professional Science Masters Concentration in the MS in Geography** -- updates the courses to reflect the department's current rubric, GGIS, as detailed in the attachment. There is no change in the total hours required for the degree.
   6) **MSUD in Sustainable Urban Design** – update the Geography and GIS courses in the electives list to reflect that department's current rubric, GGIS, as detailed in the attachment. There is no change in the total hours required for the degree.

B. **Undergraduate Programs**
   1) **Minor in Art & Design** – adds a portfolio requirement for admission to the minor and expands students' course options as detailed in the attachment. There is no change in the total hours required for the minor.
   2) **BS in Supply Chain Management** – updates the major electives course list as detailed in the attachment. There is no change in the total hours required for the degree.
   3) **BS in Operations Management** – updates the list of core and elective courses as detailed in the attachment. There is no change in the total hours required for the degree.
   4) **BS in Computer Science + Music** – revisions to the requirements to the Computer Science component and the Music component as detailed in the attachment. There is no change in the total hours required for the degree.
   5) **BSLAS in Statistics & Computer Science** – revisions to the requirements of the Computer Science component as detailed in the attachment. There is no change in total hours required for the degree.
   6) **BSLAS in Mathematics & Computer Science** – revisions to the requirements of the Computer Science component as detailed in the attachment. There is no change in total hours required for the degree.

7) **BSLAS in CS + Astronomy** – revisions to the requirements of the Computer Science component as detailed in the attachment. There is no change in total hours required for the degree.

8) **BSLAS in CS + Chemistry** – revisions to the requirements to the Computer Science component and the Chemistry component as detailed in the attachment. There is no change in the total hours required for the degree.

9) **BSLAS in CS + Linguistics** – revisions to the requirements of the Computer Science component as detailed in the attachment. There is no change in total hours required for the degree.

10) **BSLAS in CS + Economics** – revisions to the requirements of the Computer Science component as detailed in the attachment. There is no change in total hours required for the degree.

11) **BSLAS in CS + Philosophy** – revisions to the requirements of the Computer Science component as detailed in the attachment. There is no change in total hours required for the degree.

12) **Teacher Education Minor in Mathematics, Grades 9-12** – removes a course no longer taught from the list of Linear Algebra options as detailed in the attachment. There is no change in total hours required for the minor.

Program Change Request

Date Submitted: 11/17/21 11:51 am

Viewing: **10KS0168MME : Music Education, MME**

Last approved: 04/11/19 1:06 pm

Last edit: 01/27/22 3:18 pm

Changes proposed by: Linda Moorhouse

Music Education, MME

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. **U Program Review**
2. **1495 Head**
3. **1541 Head**
4. **KN Committee Chair**
5. **KN Dean**
6. **KR Dean**
7. **University Librarian**
8. **Grad_College**
9. **COTE Programs**
10. **Provost**
11. **Senate EPC**
12. Senate
13. U Senate Conf
14. Board of Trustees
15. IBHE
16. HLC
17. DMI

Approval Path

1. 11/17/21 4:29 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 11/17/21 8:28 pm
   Jeff Sposato
   (jsposato):
   Approved for 1495
   Head
3. 11/30/21 9:02 am
   Brenda Clevenger
   (bmclvngr):
   Approved for 1541
   Head
4. 12/06/21 12:41
   pm
   Wenhao David
   Huang
   (wdhuang):

Approved for KN Committee Chair
5. 12/17/21 1:34 pm
Karla Moller (kjmoller):
Approved for KN Dean
6. 01/07/22 9:34 am
Nicole Turner (nicturn):
Approved for KR Dean
7. 01/07/22 9:41 am
John Wilkin (jpwilkin):
Approved for University Librarian
8. 01/07/22 11:50 am
Allison McKinney (agrindly):
Approved for Grad_College
9. 01/26/22 9:19 am
Brenda Clevenger (bmclvngr):
Approved for COTE Programs
10. 01/27/22 9:37 am
Kathy Martensen (kmartens):
Approved for Provost

History

1. Apr 6, 2019 by Deb Forgacs (dforgacs)
2. Apr 11, 2019 by Deb Forgacs (dforgacs)

Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

Official Program Name	Music Education, MME
Sponsor College	Fine & Applied Arts
Sponsor Department	Music
Sponsor Name	Dr. Linda Moorhouse
Sponsor Email	moorhouz@illinois.edu
College Contact	Dr. 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.*

The sponsor will edit the proposal if necessary.

Does this program have inter-departmental administration?

Yes ~~No~~

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)

Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

COTE

College	Education
Department	Council on Teacher Education

Is there an additional department involved in governance?

No

Proposal Title

Effective Catalog Term	Spring 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the MME.

Revision to the Master of Music Education, School of Music, College of Fine and Applied Arts

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

This is an administrative action to substitute "EPOL (Education Policy, Organization and Leadership)" for "EPS (Educational Policy)" in the MME Course List Table on line four. The EPS rubric is being phased out.

Currently in the MME Course List Table, Line 4: "EPSY, EPS or C&I (Educational Psychology, Educational Policy or Curriculum & Instruction) 4 [hours]"

Line 4 Revision: "EPSY, EPOL, or CI (Educational Psychology; Education Policy, Organization and Leadership; or Curriculum and Instruction) 4 [hours]"

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 the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

This revision will not impact the learning outcomes and assessment of these outcomes.

Is the career/profession for graduates of this program regulated by the State of Illinois?

Yes No

If yes, please describe.

Teacher certification program.

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs	Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

Course List

Code	Title	Hours
MUS 532	Curricular Perspectives on Music Education	4
MUS 533	Research in Music Education	4
Music Education Electives: Any 400 or 500-level music education course		6-8
EPSY, EPOL, or CI (Educational Psychology; Education Policy, Organization and Leadership; or Curriculum and Instruction)		4
Music Electives: Any MUS 400- or MUS 500-level course. Note: Applied Study (4 cr. max), Ensemble (1 cr. max)		10
Choose 1 Capstone Option:		2-4
Capstone Option I: MUS 569 - Capstone Project Synthesis (2 credits)		
Capstone Option II: MUS 599 - Thesis (4 credits)		
Total Hours		32

Other Requirements1

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Minimum Hours Required Within the Unit:	14
Minimum 500-level Hours Required Overall:	12
Minimum GPA:	3.0

1

For additional details and requirements refer to the department's Graduate Handbook https://music.illinois.edu/graduate-handbooks *and the Graduate College Handbook.*

New Footnote

Corresponding Degree	MME Master of Music Education

Program Features

Academic Level	Graduate

Does this major have transcripted concentrations?	No

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

What are the minimum Total Credit Hours required for this program?
32

What is the required GPA?	3.0

CIP Code	131312 - Music Teacher Education.

Is This a Teacher Certification Program?

Yes

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   Spring 2022
Admissions Term

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 impact.

Describe how critical academic functions such as admissions and student advising are managed.
No impact.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact.

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   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

No Impact.

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

N/A

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)

N/A

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

No

Is this program requesting self-supporting status?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently
available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result
in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty,

students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

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.

No impact.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	MME:Music Education -UIUC
Program Code:	10KS0168MME

Minor Code	Conc Code	Degree Code	MME	Major Code
0168				

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval

Date

HLC Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer Comments	**Kathy Martensen (kmartens) (01/27/22 9:35 am):** Administrative approval: Does not change total hours/restrict students' options.

Key: 396

Program Change Request

Date Submitted: 01/07/22 1:38 pm

Viewing: **10KS0341MA : Geography, MA**

Last approved: 01/22/20 4:51 pm

Last edit: 01/27/22 3:19 pm

Changes proposed by: Matthew Cohn

Catalog Pages Using this Program	[Geography, MA](#) [Geography, MS](#)

Proposal Type:

In Workflow

1. **U Program Review**
2. **1872 Head**
3. **SESE Head**
4. **KV Dean**
5. **University Librarian**
6. **Grad_College**
7. **Provost**
8. **Senate EPC**
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path

1. 01/07/22 1:59 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 01/07/22 5:30 pm
   Shaowen Wang
   (shaowen):
   Approved for 1872
   Head
3. 01/07/22 6:07 pm
   Jonathan Tomkin
   (tomkin):
   Approved for SESE
   Head
4. 01/12/22 3:24 pm
   Stephen Downie
   (sdownie):
   Approved for KV
   Dean
5. 01/12/22 3:26 pm
   John Wilkin
   (jpwilkin):
   Approved for

6. 01/21/22 2:59 pm Allison McKinney (agrindly): Approved for Grad_College
7. 01/27/22 9:39 am Kathy Martensen (kmartens): Approved for Provost

History

1. Jan 22, 2020 by Mary Lowry (lowry)

Major (ex. Special Education)

This proposal is for a:
  Revision

Administration Details

Official Program Name	Geography, MA
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Geography and Geographic Information Science
Sponsor Name	Matt Cohn
Sponsor Email	mcohn@illinois.edu
College Contact	Stephen R. Downie
College Contact Email	sdownie@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

Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the MA in Geography.

Curricula update to 10KS0341MA: Geography, MA

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Related programs in this group:Geography, MA (324), Geography, MS (593),
Geography: Geographic Information Science - Professional Science Master's, MS (608)
and Geography, PhD (323).

Program Justification

Why are these changes necessary?
Updating Degree Requirements tables with new GGIS course rubric (previously GEOG)

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 the program include other courses/subjects impacted by the creation/revision of this program?
No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

1. All graduate students will have a fundamental understanding of the history and philosophies of geography in all its diversity and breadth.
2. All graduate students will have knowledge of the latest trends and developments in geography as social science, a discipline increasingly rooted in geographic information science, and physical science.
3. All graduate students will have a deep and nuanced comprehension of the latest conceptual developments in their selected research areas.
4. All graduate students will have the ability to formulate a research problem, know the proper conceptual tools and methods to appropriately address it, and properly place it in evolving, relevant literature.
5. All graduate students will have a strong knowledge of proper ethical conduct in the performance and completion of advanced research.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

| Revised programs | Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours. |

Catalog Page Text - Overview Tab

Text for Overview tab on 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

Thesis Option

Course List

Code	Title	Hours
At least one course on geographic information systems (GIS) and related geospatial techniques		
GEOG 471	Course GEOG 471 Not Found	4

Code	Title	Hours
~~GEOG 491~~	~~Course GEOG 491 Not Found~~	~~2~~
GGIS 471	Recent Trends in Geog Thought	4
GGIS 491	Research in Geography	2
Each student must also fulfill program requirements specific to their specialty area		
~~GEOG 599~~	~~Course GEOG 599 Not Found (8 max applied toward degree)~~	~~8~~
GGIS 599	Thesis Research (8 max applied toward degree)	8
Total Hours		32

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
A maximum of 2 elective courses may be taken CR/NC.	
Minimum Hours Overall Required Within the Unit:	16
Minimum 500-level Hours Required Overall:	12 (8 in GGIS)
Minimum GPA:	3.0

Non-Thesis Option

Course List

Code	Title	Hours
At least one course on geographic information systems (GIS) and related geospatial techniques		
~~GEOG 471~~	~~Course GEOG 471 Not Found~~	4
~~GEOG 491~~	~~Course GEOG 491 Not Found~~	2
GGIS 471	Recent Trends in Geog Thought	4
GGIS 491	Research in Geography	2
Each student must also fulfill program requirements specific to their specialty area		
Total Hours		32

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Some Geography program options do not allow the non-thesis Master's degree option.	
Contact the department for further details.	
Two written research papers which address substantive research questions are required along with a comprehensive examination.	
A maximum of 2 elective courses may be taken CR/NC.	
Minimum Hours Overall Required Within the Unit:	16
Minimum 500-level Hours Required Overall:	12 (8 in GGIS)
Minimum GPA:	3.0

Corresponding Degree	MA Master of Arts

Program Features

Academic Level	Graduate

Does this major have transcripted concentrations? No

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

What are the minimum Total Credit Hours required for this program?
   32

What is the required GPA? 3.0

CIP Code 450701 - Geography.

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

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.

Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

   There is no impact to the annual number of degrees awarded or 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   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?
        No impact to unit.

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

Is this program requesting self-supporting status?
        No

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?
        No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact to unit.

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.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook	MA:Geography -UIUC

Name

Program Code: 10KS0341MA

Minor		Conc		Degree	MA	Major	
Code		Code		Code		Code	
0341							

Senate Approval
Date

Senate
Conference
Approval Date

BOT Approval
Date

IBHE Approval
Date

HLC Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer   **Allison McKinney (agrindly) (01/21/22 2:59 pm):** Administratively approved by
Comments   the Graduate College.
                              Kathy Martensen (kmartens) (01/27/22 9:37 am): Administrative approval: Does
                              not change total hours/restrict students' options.

Key: 324

Program Change Request

Date Submitted: 01/07/22 1:39 pm

Viewing: **10KS0341PHD : Geography, PhD**

Last approved: 01/22/20 4:51 pm

Last edit: 01/27/22 3:20 pm

Changes proposed by: Matthew Cohn

[Geography, PhD](#)

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. **U Program Review**
2. **1872 Head**
3. **SESE Head**
4. **KV Dean**
5. **University Librarian**
6. **Grad_College**
7. **Provost**
8. **Senate EPC**
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path

1. 01/07/22 1:59 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 01/07/22 5:31 pm
   Shaowen Wang
   (shaowen):
   Approved for 1872
   Head
3. 01/07/22 6:07 pm
   Jonathan Tomkin
   (tomkin):
   Approved for SESE
   Head
4. 01/12/22 3:26 pm
   Stephen Downie
   (sdownie):
   Approved for KV
   Dean
5. 01/12/22 3:27 pm
   John Wilkin
   (jpwilkin):
   Approved for

6. 01/21/22 2:59 pm
   Allison McKinney
   (agrindly):
   Approved for
   Grad_College
7. 01/27/22 9:40 am
   Kathy Martensen
   (kmartens):
   Approved for
   Provost

History

1. Jan 22, 2020 by
   Mary Lowry
   (lowry)

Major (ex. Special Education)

This proposal is
for a:
   Revision

Administration Details

Official Program Name	Geography, PhD
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Geography and Geographic Information Science
Sponsor Name	Matt Cohn
Sponsor Email	mcohn@illinois.edu
College Contact	Stephen R. Downie
College Contact Email	sdownie@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   Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the PhD in Geography.

Curricula update to 10KS0341PHD: Geography, PhD

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Related programs in this group:Geography, MA (324), Geography, MS (593), Geography: Geographic Information Science - Professional Science Master's, MS (608) and Geography, PhD (323).

Program Justification

Why are these changes necessary?
Degree Requirements tables are being updated with new GGIS course rubric (previously GEOG).

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 the program include other courses/subjects impacted by the creation/revision of this program?
No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

1. All graduate students will have a fundamental understanding of the history and philosophies of geography in all its diversity and breadth.
2. All graduate students will have knowledge of the latest trends and developments in geography as social science, a discipline increasingly rooted in geographic information science, and physical science.
3. All graduate students will have a deep and nuanced comprehension of the latest conceptual developments in their selected research areas.
4. All graduate students will have the ability to formulate a research problem, know the proper conceptual tools and methods to appropriately address it, and properly place it in evolving, relevant literature.
5. All graduate students will have a strong knowledge of proper ethical conduct in the performance and completion of advanced research.

Is the career/profession for graduates of this program regulated by the State of Illinois?
No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs	Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

~~Entering with approvedM.S./M.A.~~Entering with approved MA/MS degree

Course List

Code	Title	Hours
~~GEOG 471~~	~~Course GEOG 471 Not Found~~	~~4~~
~~GEOG 491~~	~~Course GEOG 491 Not Found~~	~~2~~

Code	Title	Hours
GGIS 471	Recent Trends in Geog Thought	4
GGIS 491	Research in Geography	2

Doctoral students are required to demonstrate competence in a specific research technique

Students must fulfill program requirements specific to their specialty area

~~Students must fulfill program requirements specific to his/her specialty area~~

~~GEOG 599~~	~~Course GEOG 599 Not Found~~ (4 min applied toward degree)	4
GGIS 599	Thesis Research (4 min applied toward degree)	4
Total Hours		64

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Minimum Hours Overall Required Within the Unit:	24
Qualifying Exam Required	Yes
Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes
Minimum GPA:	3.0

Entering with approved BA/BS degree

Course List

Code	Title	Hours
At least two graduate-level courses on analytical research methods (at least one of which must be in geographic information systems (GIS) or related geospatial techniques)		
~~GEOG 471~~	~~Course GEOG 471 Not Found~~	4
~~GEOG 491~~	~~Course GEOG 491 Not Found~~	2
GGIS 471	Recent Trends in Geog Thought	4
GGIS 491	Research in Geography	2

Doctoral students are required to demonstrate competence in a specific research technique

Students must fulfill program requirements specific to their specialty area

~~Students must fulfill program requirements specific to his/her specialty area~~

~~GEOG 599~~	~~Course GEOG 599 Not Found~~ (4 min applied toward degree)	4
GGIS 599	Thesis Research (4 min applied toward degree)	4
Total Hours		96

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Minimum 500-level Hours Required Overall:	12 (8 in GGIS)
Must complete a major research paper of publishable quality approved by the student's advisory committee.	
Qualifying Exam Required	Yes
Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes
Minimum GPA:	3.0

Corresponding
Degree   PhD Doctor of Philosophy

Program Features

Academic Level   Graduate

Does this major   No
have transcripted
concentrations?

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

What are the minimum Total Credit Hours required for this program?
  64

What is the   3.0
required GPA?

CIP Code   450701 - Geography.

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

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.

Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

There is no impact to the annual number of degrees awarded or 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?
                    No impact to unit.

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

Is this program requesting self-supporting status?
                    No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact to unit.

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.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal	No

requires HLC
inquiry

DMI Documentation

Attach Final
Approval Notices

Banner/Codebook   Doctor of Philosophy, PhD
Name

Program Code: 10KS0341PHD

Minor		Conc		Degree	PHD	Major	
Code		Code		Code		Code	
0341							

Senate Approval
Date

Senate
Conference
Approval Date

BOT Approval
Date

IBHE Approval
Date

HLC Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer   **Allison McKinney (agrindly) (01/21/22 2:59 pm):** Administratively approved by
Comments   the Graduate College.
                     Kathy Martensen (kmartens) (01/27/22 9:39 am): Administrative approval: Does
                     not change total hours/restrict students' options.

Key: 323

Program Change Request

Date Submitted: 01/07/22 1:40 pm

Viewing: **10KS5856MS : Geography, MS**

Last approved: 02/20/19 5:14 pm

Last edit: 01/27/22 3:20 pm

Changes proposed by: Matthew Cohn

Proposal Type:

In Workflow

1. **U Program Review**
2. **1872 Head**
3. **SESE Head**
4. **KV Dean**
5. **University Librarian**
6. **Grad_College**
7. **Provost**
8. **Senate EPC**
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path

1. 01/07/22 1:59 pm Deb Forgacs (dforgacs): Approved for U Program Review
2. 01/07/22 5:31 pm Shaowen Wang (shaowen): Approved for 1872 Head
3. 01/07/22 6:07 pm Jonathan Tomkin (tomkin): Approved for SESE Head
4. 01/12/22 3:27 pm Stephen Downie (sdownie): Approved for KV Dean
5. 01/12/22 3:30 pm John Wilkin (jpwilkin): Approved for

University
Librarian
6. 01/21/22 2:59 pm
Allison McKinney
(agrindly):
Approved for
Grad_College
7. 01/27/22 9:41 am
Kathy Martensen
(kmartens):
Approved for
Provost

History

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

Major (ex. Special Education)

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

Administration Details

Official Program Name	Geography, MS
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Geography and Geographic Information Science
Sponsor Name	Matt Cohn
Sponsor Email	mcohn@illinois.edu
College Contact	Stephen R. Downie

College Contact
Email

sdownie@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   Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the MS in Geography.

Curricula update for 10KS5856MS: Geography, MS

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Related programs in this group:Geography, MA (324), Geography, MS (593),
Geography: Geographic Information Science - Professional Science Master's, MS (608)
and Geography, PhD (323).

Program Justification

Why are these changes necessary?
Updating degree requirements tables with new GGIS rubric (previously GEOG)

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 the program include other courses/subjects impacted by the creation/revision of this program?
No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

1. All graduate students will have a fundamental understanding of the history and philosophies of geography in all its diversity and breadth.
2. All graduate students will have knowledge of the latest trends and developments in geography as social science, a discipline increasingly rooted in geographic information science, and physical science.
3. All graduate students will have a deep and nuanced comprehension of the latest conceptual developments in their selected research areas.
4. All graduate students will have the ability to formulate a research problem, know the proper conceptual tools and methods to appropriately address it, and properly place it in evolving, relevant literature.
5. All graduate students will have a strong knowledge of proper ethical conduct in the performance and completion of advanced research. ~~Admin Migration~~

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

| Revised programs | Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours. |

Catalog Page Text - Overview Tab

Text for Overview tab on 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

Thesis Option

Course List

Code	Title	Hours
At least one course on geographic information systems (GIS) and related geospatial techniques		
GGIS 471	Recent Trends in Geog Thought	4

Code	Title	Hours
GGIS 491	Research in Geography	2
Each student must also fulfill program requirements specific to their specialty area		
GGIS 599	Thesis Research (8 max applied toward degree)	8
Total Hours		32

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
A maximum of 2 elective courses may be taken CR/NC.	
Minimum Hours Overall Required Within the Unit:	16
Minimum 500-level Hours Required Overall:	12 (8 in GGIS)
Minimum GPA:	3.0

Non-Thesis Option

Course List

Code	Title	Hours
At least one course on geographic information systems (GIS) and related geospatial techniques		
GGIS 471	Recent Trends in Geog Thought	4
GGIS 491	Research in Geography	2
Each student must also fulfill program requirements specific to their specialty area		
Total Hours		32

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Some Geography program options do not allow the non-thesis Master's degree option. Contact the department for further details.	
Two written research papers which address substantive research questions are required along with a comprehensive examination.	
A maximum of 2 elective courses may be taken CR/NC.	
Minimum Hours Overall Required Within the Unit:	16
Minimum 500-level Hours Required Overall:	12 (8 in GGIS)
Minimum GPA:	3.0

Approved Program Requirements
Last Approved: Jan 22, 2020 4:51pm

Thesis Option

Course List

Code	Title	Hours
At least one course on geographic information systems (GIS) and related geospatial techniques		
GEOG 471		4
GEOG 491		2
Each student must also fulfill program requirements specific to his/her specialty area		
GEOG 599	(8 max applied toward degree)	8
Total Hours		32

Other Requirements

Non-Thesis Option

Course List

Code	Title	Hours
At least one course on geographic information systems (GIS) and related geospatial techniques		
GEOG 471		4
GEOG 491		2
Each student must also fulfill program requirements specific to his/her specialty area		
Total Hours		32

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Some Geography program options do not allow the non-thesis Master's degree option. Contact the department for further details.	
Two written research papers which address substantive research questions are required along with a comprehensive examination.	
A maximum of 2 elective courses may be taken CR/NC.	
Minimum Hours Overall Required Within the Unit:	16
Minimum 500-level Hours Required Overall:	12 (8 in Geog)
Minimum GPA:	3.0

Corresponding Degree   MS Master of Science

Program Features

Academic Level   Graduate

Does this major have transcripted concentrations?   No

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

What are the minimum Total Credit Hours required for this program?
32

What is the required GPA?   3.0

CIP Code	450702 - Geographic Information Science and Cartography.

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	Fall 2018

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.

Admin Migration

Describe how critical academic functions such as admissions and student advising are managed.

Admin Migration

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact on unit.

Estimated Annual Number of Degrees Awarded

Year One Estimate	Admin Migration	5th Year Estimate (or when fully implemented)

Admin Migration

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?

Admin Migration

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

Is this program requesting self-supporting status?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently
available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact on unit.

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.

Current collections are sufficient.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	MS:Geography -UIUC
Program Code:	10KS5856MS

Minor Code	Conc Code	Degree Code		Major Code
5856		MS		

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
Effective Date:	
Attached Document Justification for this request	
Program Reviewer Comments	**Deb Forgacs (dforgacs) (01/07/22 3:48 pm):** This program was migrated into the CIM incorrectly. I fixed the error in this revision, but it makes it look like the whole program was wrong, but it is not. I had to re-enter the entire POS table. **Allison McKinney (agrindly) (01/21/22 2:58 pm):** Administratively approved by the Graduate College. **Kathy Martensen (kmartens) (01/27/22 9:40 am):** Administrative approval: No change to total hours required/does not restrict student choice.

Key: 593

Program Change Request

Date Submitted: 01/07/22 1:41 pm

Viewing: **1PKS5856MS : Geography: GIS, MS-PSM**

Last approved: 01/22/20 4:53 pm

Last edit: 01/27/22 3:31 pm

Changes proposed by: Matthew Cohn

Catalog Pages Using this Program	[Geography: Geographic Information Science - Professional Science Master's, MS](#)

Proposal Type:

In Workflow

1. **U Program Review**
2. **1872 Head**
3. **SESE Head**
4. **KV Dean**
5. **University Librarian**
6. **Grad_College**
7. **Provost**
8. **Senate EPC**
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path

1. 01/07/22 2:00 pm Deb Forgacs (dforgacs): Approved for U Program Review
2. 01/07/22 5:34 pm Shaowen Wang (shaowen): Approved for 1872 Head
3. 01/07/22 6:07 pm Jonathan Tomkin (tomkin): Approved for SESE Head
4. 01/12/22 3:29 pm Stephen Downie (sdownie): Approved for KV Dean
5. 01/12/22 3:30 pm John Wilkin (jpwilkin): Approved for

University Librarian
6. 01/21/22 2:58 pm Allison McKinney (agrindly): Approved for Grad_College
7. 01/27/22 9:46 am Kathy Martensen (kmartens): Approved for Provost

History

1. Feb 20, 2019 by Deb Forgacs (dforgacs)
2. Jan 22, 2020 by Mary Lowry (lowry)

Concentration (ex. Dietetics)

This proposal is for a:
Revision

Administration Details

Official Program Name	Geography: GIS, MS-PSM
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Geography and Geographic Information Science
Sponsor Name	Matt Cohn
Sponsor Email	mcohn@illinois.edu
College Contact	Stephen R. Downie
College Contact Email	
	sdownie@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   Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the Geographic Information Science PSM concentration in the MS in Geography.

Curricula update to 1PKS5856MS: Geography: GIS, MS-PSM

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Related programs in this group:Geography, MA (324), Geography, MS (593), Geography: Geographic Information Science - Professional Science Master's, MS (608) and Geography, PhD (323).

Program Justification

Why are these changes necessary?
Degree Requirements tables are being updated with new GGIS course rubric (previously GEOG)

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 the program include other courses/subjects impacted by the creation/revision of this program?
No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

1. All PSM graduate students will have a firm understanding of the theories and applications of geographic information science and all its diversity and development trends.
2. All PSM graduate students will have proficiency in at least one GIS toolbox and will have the technical skills for data manipulation, editing, and geospatial data visualization.
3. All PSM graduate students will be able to effectively apply critical geospatial thinking to address real-world problems.
4. All PSM graduate students will acquire foundational business knowledge and professional skills to work as a geospatial analyst in a pertinent professional team environment.
5. All PSM graduate students will have a strong knowledge of proper ethical conduct in the context of developing and executing geospatial solutions.

Is the career/profession for graduates of this program regulated by the State of Illinois?
No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs	Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

Course List

Code	Title	Hours
Choose from following list in consultation with the faculty coordinator.		
GEOG 412	Course GEOG 412 Not Found	

Code	Title	Hours
GEOG 421	Course GEOG 421 Not Found	
GEOG 440	Course GEOG 440 Not Found	
GEOG 439	Course GEOG 439 Not Found	
GEOG 460	Course GEOG 460 Not Found	
GEOG 473	Course GEOG 473 Not Found	
GEOG 476	Course GEOG 476 Not Found	
GEOG 477	Course GEOG 477 Not Found	
GEOG 478	Course GEOG 478 Not Found	
GEOG 479	Course GEOG 479 Not Found	
GEOG 480	Course GEOG 480 Not Found	
GEOG 489	Course GEOG 489 Not Found	
GEOG 560	Course GEOG 560 Not Found	
GEOG 570	Course GEOG 570 Not Found	
GEOG 595	Course GEOG 595 Not Found	
GGIS 412	Geospatial Technology & Society	3
GGIS 421	Earth Systems Modeling	4
GGIS 439	Health Applications of GIS	3
GGIS 460	Aerial Photo Analysis	4
GGIS 473	Digital Cartography & Map Design	4
GGIS 476	Applied GIS to Environ Studies	3
GGIS 477	Introduction to Remote Sensing	3
GGIS 478	Techniques of Remote Sensing	3
GGIS 480	Principles of Geographic Information Science	3
GGIS 489	Programming for GIS	4
GGIS 560	Spatial Epidemiology	4
GGIS 570	Advanced Spatial Analysis	4
GGIS 590	Course GGIS 590 Not Found (Graduate Independent Study)	1 to 8
	Other GIS-related coures may be substituted with permission of the GIS-PSM Director.	
Total Hours for GIS-PSM concentration:		32

Other Requirements

Course List

Code	Title	Hours
Other requirements may overlap.		
The PSM concentration is required.		
Minimum hours required within the unit:		16
Minimum 500-level credit hours (8 in GGIS):		12
Evaulation conducted by the GIS-PSM Director and/or members of the GIS-PSM committee		
Full-time enrollment (12 credit hours or higher) is required in fall and spring semesters; summer enrollment is required for the internship.		
Minimum GPA:		3.0

1 Students with no previous experience in GIS are required to take a graduate-level GIS course.

Program Relationships

Corresponding
Program(s):

Corresponding Program(s)
Geography, MS

Program Features

Academic Level   Graduate

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 will impact enrollment and degrees awarded.

  There is no impact to the annual number of degrees awarded or enrollment.

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

Is this program requesting self-supporting status?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently
available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result
in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty,
students, and instructional resources? Please attach any letters of support/acknowledgement from faculty,
students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size,
teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job
placement and/or admission to advanced studies.

No impact on unit.

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.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	MS:Geog:Geog Info Sci PSM-UIUC
Program Code:	1PKS5856MS

Minor Code		Conc Code	3886	Degree Code	MS	Major Code
5856						

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
Effective Date:	
Attached Document Justification for this request	
Program Reviewer Comments	**Allison McKinney (agrindly) (01/21/22 2:58 pm):** Administratively approved by the Graduate College. **Kathy Martensen (kmartens) (01/27/22 9:42 am):** Administrative approval: No change to total hours required; does not restrict student choice.

Key: 608

Program Change Request

Date Submitted: 01/11/22 11:46 am

Viewing: **1PKS5721MSUD : Sustainable Urban Design, MSUD**

Last approved: 10/29/20 2:31 pm

Last edit: 01/27/22 3:31 pm

Changes proposed by: Nicole Turner

Sustainable Urban Design, MSUD

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. **U Program Review**
2. **1569 Committee Chair**
3. **1569 Head**
4. **KR Dean**
5. **University Librarian**
6. **Grad_College**
7. **Provost**
8. **Senate EPC**
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path

1. 01/12/22 2:18 pm
Deb Forgacs
(dforgacs):
Approved for U
Program Review
2. 01/12/22 5:08 pm
Lori Davis (drlori):
Approved for 1569
Committee Chair
3. 01/14/22 12:35
pm
David Hays
(dlhays):
Approved for 1569
Head
4. 01/14/22 1:10 pm
Nicole Turner
(nicturn):
Approved for KR
Dean
5. 01/14/22 1:12 pm
John Wilkin
(jpwilkin):

Approved for University Librarian
6. 01/21/22 2:58 pm Allison McKinney (agrindly): Approved for Grad_College
7. 01/27/22 9:49 am Kathy Martensen (kmartens): Approved for Provost

History

1. Mar 25, 2019 by Deb Forgacs (dforgacs)
2. May 2, 2019 by Mary Lowry (lowry)
3. Oct 29, 2020 by Mary Lowry (lowry)

Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

Official Program Name	Sustainable Urban Design, MSUD
Sponsor College	Fine & Applied Arts
Sponsor Department	Landscape Architecture
Sponsor Name	David Hays
Sponsor Email	dlhays@illinois.edu
College Contact	Nicole Turner

College Contact Email

nicturn@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.*

KR Dean

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term   Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the MSUD in Sustainable Urban Design.

Curricula update: Geography & GIS rubric change

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

Degree Requirements tables are being updated with new GGIS course rubric (previously GEOG)

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 the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

na

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

| Revised programs | Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours. |

Catalog Page Text - Overview Tab

Text for Overview tab on 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

Course List

Code	Title	Hours
LA 537	Planning & Design Studio II	5
LA 589	Sustainable Urban Design Theory	4
Choose one elective broadly related to urban design:		3-4
ARCH 423	Soc/Beh Factors for Design	
GEOG 408	Course GEOG 408 Not Found	
GEOG 438	Course GEOG 438 Not Found	
GEOG 466	Course GEOG 466 Not Found	
GEOG 479	Course GEOG 479 Not Found	
GEOG 496	Course GEOG 496 Not Found	
GGIS 408	Humans and River Systems	
GGIS 438	Geography of Health Care	
GGIS 466	Environmental Policy	
GGIS 479	Advanced Topics in GIS	
GGIS 496	Climate & Social Vulnerability	

Code	Title	Hours
LA 570	Landscapes and Human Health	
LA 587	Graduate Seminar	
LA 597	Research Design & Methods	
PSYC 472	Environmental Psychology	
Choose one elective concerning urban systems:		2-4
ARCH 418	History of the Urban Environment	
GEOG 410	Course GEOG 410 Not Found	
GEOG 465	Course GEOG 465 Not Found	
GEOG 484	Course GEOG 484 Not Found	
GGIS 410	Green Development	
GGIS 465	Transportation &Sustainability	
GGIS 484	Cities, Crime, and Space	
LA 480	Sustainable Design Principles	
UP 418	GIS for Planners	
LA 482	Advanced Communication in Urban Design	4
LA 538	Urban Design Research Studio	5
LA 446	Sustainable Planning Seminar	4
UP 475	Real Estate Development Fundamentals	4
LA 592	Urban Design Capstone Studio	6
Total Hours		36

Other Requirements

Course List

Code	Title	Hours
Minimum GPA:2.75		

Corresponding Degree   MSUD Master of Sustainable Urban Design

Program Features

Academic Level   Graduate

Does this major have transcripted concentrations?   No

What is the typical time to completion of this program?
11 month

What are the minimum Total Credit Hours required for this program?
36

What is the required GPA?   2.75

CIP Code   30.3301 - 30.3301

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   Fall 2019
Admissions Term

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.

Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

There is no impact to the annual number of degrees awarded or enrollment.

Estimated Annual Number of Degrees Awarded

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

see attached.

What is the
matriculation
term for this
program?
Fall

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

Is this program requesting self-supporting status?
> No

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?
> No

Technology

Will the program need additional technology beyond what is currently
available for the unit?
> No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result
in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty,
students, and instructional resources? Please attach any letters of support/acknowledgement from faculty,

students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact on unit.

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.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	MSUD: Sust Urban Design - UIUC
Program Code:	1PKS5721MSUD

Minor Code	Conc Code	Degree Code	MSUD	Major Code
5721				

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval
Date
Effective Date:

Attached
Document
Justification for
this request

Program Reviewer   **Allison McKinney (agrindly) (01/21/22 2:58 pm):** Administratively approved by
Comments   the Graduate College.
                     Kathy Martensen (kmartens) (01/27/22 9:47 am): Administrative approval: Does
                     not change total hours; doesn't restrict student choice.

Key: 612

Program Change Request

Date Submitted: 12/22/21 1:42 pm

Viewing: **0252 : Art & Design Minor, UG**

Last approved: 05/06/19 2:56 pm

Last edit: 01/27/22 3:13 pm

Changes proposed by: Nicole Turner

<div>

[Art & Design Minor](#)

Catalog Pages
Using this
Program

</div>

Proposal Type:

Approval Path

1. 01/05/22 2:23 pm
Deb Forgacs
(dforgacs):
Approved for U
Program Review
2. 01/05/22 6:43 pm
Melissa Pokorny
(mpokorny):
Approved for 1526
Head
3. 01/25/22 10:36
am
Nicole Turner
(nicturn):
Approved for KR
Dean
4. 01/25/22 12:28
pm
John Wilkin
(jpwilkin):
Approved for
University
Librarian
5. 01/27/22 9:30 am
Kathy Martensen
(kmartens):

Minor (ex. European Union Studies)

This proposal is for a:
Revision

Administration Details

Official Program Name	Art & Design Minor, UG
Sponsor College	Fine & Applied Arts
Sponsor Department	Art and Design
Sponsor Name	Guen Montgomery
Sponsor Email	montgo@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   Fall 2022

Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the undergraduate minor in Art & Design.

A revision for the undergraduate minor which adds a portfolio requirement for admission and expands students options for course completion. No change to total hours required for minor.

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?
1. Add new ARTJ rubric courses as appropriate to meet minor requirements, including as a full rubric option added to the "either academic or studio" course menu
2. Update minor admissions requirement, including update the catalog page text
3. Reorganize degree table to delete footnotes

Demand for the minor continues to increase and seat capacity continues to be a challenge in upper-level courses for students outside of the School of Art and Design. Many courses have reserved seats for minor students, but this proposal adds additional courses from the ARTJ rubric and also adds a portfolio requirement as part of the application for admission.

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 the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

Learning outcomes for the Art and Design minor mirror the learning outcomes for an Art and Design major, with the understanding that students entering the Art & Design minor do not necessarily wish to pursue a career as a practicing artist or designer. Instead, minors want creative opportunities, and to enhance their primary field of study through the perspectives and strategies of art and design. By working creatively in the visual arts, students acquire technical skills related to their field of interest, along with visual literacy, critical thinking, complex problem solving, and qualitative reasoning. In addition to studio and design opportunities, the minor also provides an overview of historic and cultural contexts for art and design through a menu of required "academic-type" courses.

Students will enter the minor program through a 5-image portfolio review. Instead of assessing prior knowledge or technical skill, the primary objective of the portfolio review is to determine a student's level of commitment to the program and their potential for creative growth. Preference is given to students who have any kind of making practice, including digital and non-traditional forms of making. A committee of three Art and Design faculty serve as reviewers. Students who are not accepted to the program during the mid-term semester review are allowed to apply again in a subsequent semester. The Art and Design minor advisor, Guen Montgomery, will work with prospective students before each semester review to prepare their portfolios.

The Art and Design minor has proven to be very popular, and interest sometimes exceeds administrative capacity. The review will benefit the program by staggering matriculation into the minor, and by filtering students who may not have sufficient time or interest to complete the program.

Student progress in the minor is assessed through advising sessions with Guen Montgomery. Students are evaluated individually in their Art and Design classes based on outcomes and expectations laid out in course syllabi. Art and Design courses are reviewed and assessed internally, through the School of Art and Design, and externally through the National Association of Schools of Art and Design, the primary accrediting organization for colleges, schools, and universities in the United States.

Is the career/profession for graduates of this program regulated by the State of Illinois?
No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

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 clearly remedial offerings, prerequisite courses within

the sponsoring unit count towards the total; prerequisite courses outside the sponoring 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

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   A+D minor side by side FA 22 revision.docx

Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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 Art & ~~and~~ Design Minor provides students with the opportunity to integrate creative art and design practices with other academic or research pursuits. Students selecting the Art & ~~and~~ Design Minor do not necessarily wish to pursue a career as a practicing artist or designer ~~designer,~~ but do want the chance to work creatively in the visual arts and design and ~~design, and~~ develop related skills.

~~students can choose to focus on one particular art form (e.g., photography) or a variety of different media(e.g.photography, typography, and/or ceramics)Admission:Applicants for admission to the Minor in Art+Design should submit a personal essay explaining their interest in art and design to the MinorAdvisor.A minimum cumulative GPA of 2.00 isrequired.Pre-requisites:~~Students will be required to have passed one of the approved courses for non-majors (ART 102, 103, 104 or ~~102 105,~~ 140) and submit a 5-image portfolio for entry into the Minor. The minor advisor will work with prospective students to prepare their portfolio for review. Portfolios are reviewed once a semester, at midterm. A minimum cumulative GPA of 2.00 is required. Contact the minor advisor, Guen Montgomery, montgo@illinois.edu, for portfolio formatting details and for the submission deadline.

~~After admittance to the minor, this pre-requisite will then be applied to either the studio or academic requirement asappropriate.~~Course Requirements: Students must meet the following course requirements for a total of 18 hours. A minimum of six hours must be completed at the 300- or 400-level. ~~Contact:Guen Montgomery, Art and Design Minor Advisor, 129 Art and Design Building, 333, 0855.montgo@illinois.edu~~

Statement for Programs of Study Catalog

Course List

Code	Title	Hours

Code	Title	Hours
1 required course:		3
ART 100	Understanding Visual Culture	
ART 140	Introduction to Art	
ARTH 110	Introduction to the History of Art and Visual Culture	
A minimum of 1 course from the academic menu:		3
ART 100	Understanding Visual Culture (if not taken above)	
ART 140	Introduction to Art (if not taken above)	
ARTH 110	Introduction to the History of Art and Visual Culture (if not taken above)	
ARTH ###	Any level ARTH course, not counted elsewhere in minor	
ARTJ 209	Chado (The Way of Tea)	
ARTJ 299	Seminar in Japanese Aesthetics	
ARTJ 302	Intro to Japanese Animation	
ARTJ 398	Designing Everyday Life in Modern Japan	
ARTJ 397	Zen, Tea, and Power	
ARTE 260	Museums in Action	
ARTE 475	Art Exhibition Practices	
ARTE 480	Popular Visual Culture	
A minimum of 3 courses from the studio menu:		9
ART ###	Any ART courses, except 100 or 140	
ARTD ###	Any ARTD courses (high demand Industrial Design and Graphic Design courses are typically not available to minors)	
ARTE ###	Any ARTE courses, except 260, 475, 480	
ARTF ###	Any ARTF courses	
ARTS ###	Any ARTS courses	
ARTJ 101	Introduction to Japanese Aesthetics	
ARTJ 199	Special Topics in Japanese Aesthetic Practices	
ARTJ 301	Manga: The Art of Image and Word	
ARTJ 399	Japan House Internship	
At least 1 additional course in either academic or studio course menu.		3
A minimum of six hours must be completed at the 300 or 400 level.		
Total Hours		18

Program Features

Academic Level	Undergraduate

Is this minor?
   An interdisciplinary study focusing on a single theme

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.

   [current practice, continued:]Students will be required to have passed one of the
   approved courses for non-majors (ART 102, 103, 104 or 140) and
   [new for FA 22:] submit a 5-image portfolio for entry into the Minor. The minor advisor
   will work with prospective students to prepare their portfolio for review. Portfolios are
   reviewed once a semester, at midterm.
   [current continued] A minimum cumulative GPA of 2.00 is required.
   [new] Contact the minor advisor, Guen Montgomery, montgo@illinois.edu, for portfolio
   formatting details and for the submission deadline. no change to current practice

Are there any prerequisites for the proposed minor?
                    No

Describe how this revision will impact enrollment and degrees awarded.

   Currently, interest in the minor exceeds capacity in upper-division courses leading to a
   waitlist in which students are admitted based on the date they applied. Adding the
   portfolio requirement will add an additional expectation to gauge genuine interest and
   areas for skill development, while also slowing the immediate entrance into the minor
   which led to course capacity issues.

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?

Revision to the minor does not require a change in financial resources.

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

No

Attach letters of
support

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently
available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result
in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty,
students, and instructional resources? Please attach any letters of support/acknowledgement from faculty,
students, and/or other impacted units as appropriate.

Attach File(s)

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 the undergraduate minor in Art and Design.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	Art and Design
Program Code:	0252

Minor Code	0252	Conc Code	Degree Code	Major Code

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document Justification for this request

Program Reviewer Comments	**Kathy Martensen (kmartens) (01/27/22 9:29 am):** Administrative approval: Does not change total hours/restrict students' options.

Key: 470

0252 : Art & Design Minor, UG

[current]

Distribution of Courses

A minimum of 2 courses from the academic course menu. Academic courses include: ART 100, ART 140, ARTE 260, ARTE 475, ARTE 480, ARTH 110 or any 100, 200, 300, or 400 level ARTH course. [1]	6

0252 : Art & Design Minor, UG

[proposed]

1 required course:		3
ART 100	Understanding Visual Culture	
ART 140	Introduction to Art	
ARTH 110	Introduction to the History of Art and Visual Culture	

A minimum of 1 course from the academic menu:		3
ART 100	Understanding Visual Culture (if not taken above)	
ART 140	Introduction to Art (if not taken above)	
ARTH 110	Introduction to the History of Art and Visual Culture (if not taken above)	
ARTH ###	Any level ARTH course, not counted elsewhere in minor	
ARTJ 209	Chado (The Way of Tea)	
ARTJ 299	Seminar in Japanese Aesthetics	
ARTJ 302	Intro to Japanese Animation	
ARTJ 398	Designing Everyday Life in Modern Japan	
ARTJ 397	Zen, Tea, and Power	
ARTE 260	Museums in Action	
ARTE 475	Art Exhibition Practices	
ARTE 480	Popular Visual Culture	

A minimum of 3 courses from the studio course menu. Studio courses include: ART (except 100, 140), ARTD, ARTE (except 260, 475, 480), ARTF, and ARTS courses. [2]	9
At least 1 additional course in either an academic or studio course menu.	3
A minimum of six hours must be completed at the 300 or 400 level.	
Total Hours	**18**

[1] At least one of these courses must be chosen from the following: ARTH 110, ART 100 or ART 140.

[2] High demand Industrial Design and Graphic Design courses are typically not available to minors.

A minimum of 3 courses from the studio menu:		9
ART ###	Any ART courses, except 100 or 140	
ARTD ###	Any ARTD courses (high demand Industrial Design and Graphic Design courses are typically not available to minors)	
ARTE ###	Any ARTE courses, except 260, 475, 480	
ARTF ###	Any ARTF courses	
ARTS ###	Any ARTS courses	
ARTJ 101	Introduction to Japanese Aesthetics	
ARTJ 199	Special Topics in Japanese Aesthetic Practices	
ARTJ 301	Manga: The Art of Image and Word	
ARTJ 399	Japan House Internship	
At least 1 additional course in either academic or studio course menu.		3
A minimum of six hours must be completed at the 300 or 400 level.		
Total Hours		**18**

Program Change Request

Date Submitted: 01/05/22 4:33 pm

Viewing: **10KM5071BS : Supply Chain Management, BS**

Last approved: 04/02/21 2:59 pm

Last edit: 01/27/22 9:31 am

Changes proposed by: Brian Fulton

Catalog Pages
Using this
Program

[Supply Chain Management, BS](#)

Proposal Type:

Mark Peecher
(peecher):
Approved for KM
Dean
6. 01/24/22 12:43
pm
John Wilkin
(jpwilkin):
Approved for
University
Librarian
7. 01/27/22 9:31 am
Kathy Martensen
(kmartens):
Approved for
Provost

History

1. Jan 15, 2019 by
   Deb Forgacs
   (dforgacs)
2. Jan 25, 2019 by
   Deb Forgacs
   (dforgacs)
3. Aug 13, 2019 by
   Kathy Martensen
   (kmartens)
4. Apr 2, 2021 by
   Brian Fulton
   (bfulton)

Major (ex. Special Education)

This proposal is
for a:
Revision

Administration Details

Official Program Name	Supply Chain Management, BS
Sponsor College	Gies College of Business
Sponsor Department	Business Administration
Sponsor Name	Nehemiah Scott
Sponsor Email	nehemiah@illinois.edu

College Contact	Kevin Jackson ~~Brian Fulton~~	College Contact Email	
	kjack@illinois.edu ~~bfulton@illinois.edu~~		
College Budget Officer	Shelley Campbell		
College Budget Officer Email	scampbe2@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.*

Brian Fulton

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term	Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BS in Supply Chain Management.

Update the major electives course list for the Bachelor of Science in Supply Chain Management.

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

In industry, supply chain management is a cross-functional and cross-disciplinary field of practice that requires intra and interorganizational coordination. The current framework in practice is that of an integrated supply chain management system. It is important that our curriculum also aligns with this integrative view of supply chain management.

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 the program include other courses/subjects impacted by the creation/revision of

this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

o These new elective courses will now become a part of the our annual submission of the Learning Outcomes Assessment Progress Report submitted to the Council for Learning Outcomes Assessment (C-LOA) at the University of Illinois. The learning objectives related to student learning outcomes includes supply chain competence, critical thinking, group work, communication. These outcomes are mapped to questions concerning student ability to use data analytics and problem solving to effectively understand real-world supply chain issues, problem analysis and articulating conclusions, assuming leadership roles, grasp of international complexities effect global supply chains and etc. ~~regular survey for student satisfaction and employer satisfaction with student knowledge~~

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

~~Specific MajorRequirements:~~Specific Major Requirements: Students are required to complete an approved internship to earn the Bachelor of Science in

Supply Chain Management degree. The approved internship must be completed and a report submitted prior to enrollment in BADM 336.

Course List

Code	Title	Hours
BADM 324	Purchasing and Supply Mgmnt (Prerequisite: Credit or current enrollment in BADM 320)	3
BADM 335	Supply Chain Management Basics	3
BADM 336	Modeling the Supply Chain (Prerequisite: BADM 335)	3
BADM 337	Practicum in Supply Chain Mgt	3
BADM 338	Global Supply Chain Management	3
BADM 350	IT for Networked Organizations	3
BADM 375	Operations Strategy	3
BADM 378	Logistics Management	3
Select one of the following:		3
BADM 312	Designing and Managing Orgs	3
BADM 322	Marketing Research (Prerequisite: BADM 320)	3
BADM 325	Consumer Behavior	3
BADM 327	Marketing to Business and Govt	3
BADM 328	Advanced Sales Strategies	
BADM 352	Database Design and Management	
BADM 329	New Product Development	3
BADM 331	Making Things	3
BADM 357	Digital Making Seminar	3
BADM 366	Product Design and Development	3
BADM 367	Mgmt of Innov and Technology	3
BADM 374	Management Decision Models (Prerequisite: BADM 210)	3
BADM 377	Project Management	3
BADM 379	Business Process Improvement	3
BADM 453	Business Intelligence	3

1

The approved internship must be completed prior to enrollment in BADM 336%7CCode and a report on the internship must be submitted.

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?
  120 ~~27~~

CIP Code   520203 - Logistics, Materials, and Supply
                        Chain Management.

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

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.

Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

  n/a

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   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

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently
available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

Little to 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.

no impact on library resources

EP Documentation

EP Control Number	EP.22.0XX
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BS: Supply Chain Mgmt -UIUC
Program Code:	10KM5071BS

Minor Code	Conc Code	Degree Code	BS	Major Code
5071				

Senate Approval Date	
Senate Conference Approval Date	

BOT Approval
Date

IBHE Approval
Date

HLC Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer   **Deb Forgacs (dforgacs) (01/05/22 4:23 pm):** Rollback: requested.
Comments   **Kathy Martensen (kmartens) (01/27/22 9:30 am):** Administrative approval: Does
                    not change total hours/restrict students' options.

Program Change Request

Date Submitted: 12/16/21 1:50 pm

Viewing: **10KM5600BS : Operations Management, BS**

Last approved: 07/22/20 4:58 pm

Last edit: 01/27/22 3:16 pm

Changes proposed by: Brian Fulton

Catalog Pages
Using this
Program

Operations Management, BS

Proposal Type:

In Workflow

1. **U Program Review**
2. **1902 Committee Chair**
3. **1902 Head**
4. **KM Committee Chair**
5. **KM Dean**
6. **University Librarian**
7. **Provost**
8. **Senate EPC**
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path

1. 12/16/21 3:34 pm
Deb Forgacs
(dforgacs):
Approved for U
Program Review
2. 12/17/21 12:43 pm
Mark Wolters
(mwolter):
Approved for 1902
Committee Chair
3. 12/17/21 2:01 pm
Carlos Torelli
(ctorelli):
Approved for 1902
Head
4. 01/11/22 8:47 pm
Jiekun Huang
(huangjk):
Approved for KM
Committee Chair
5. 01/24/22 12:19

pm
Mark Peecher
(peecher):
Approved for KM
Dean

6. 01/24/22 12:43
pm
John Wilkin
(jpwilkin):
Approved for
University
Librarian

7. 01/27/22 9:33 am
Kathy Martensen
(kmartens):
Approved for
Provost

History

1. Jan 18, 2019 by
Deb Forgacs
(dforgacs)
2. Jan 25, 2019 by
Deb Forgacs
(dforgacs)
3. Aug 13, 2019 by
Kathy Martensen
(kmartens)
4. Jul 22, 2020 by
Deb Forgacs
(dforgacs)

Major (ex. Special Education)

This proposal is
for a:
Revision

Administration Details

Official Program Name	Operations Management, BS
Sponsor College	Gies College of Business
Sponsor Department	Business Administration
Sponsor Name	Swathi Baddam

Sponsor Email	sbaddam@illinois.edu		
College Contact	Kevin Jackson	College Contact Email	
kjack@illinois.edu			
College Budget Officer	Shelley Campbell		
College Budget Officer Email	scampbe2@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.*

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term	Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BS in Operations Management.

Update the list of core and elective courses for students in the Bachelor of Science in Operations Management degree program.

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

The proposed changes will allow students to be more flexible in selecting electives to meet requirements of the program. The change will also allow for students to get a certificate in Business Analytics along with the BS degree when they choose electives that are also part of the Business Analytics requirements.

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 the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

The program assessment is done every year and checked for the progress made on the learning objectives mainly related to skill development, knowledge acquisition, and professional attributes. Some of the ways the assessment is done is through measuring program graduation rates, employer data, salary data, etc.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   CIM Proposal_OMDec2021 9.pdf
Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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 Operations Management (OM) Major prepares students for careers in manufacturing and service management, operations strategy consulting, purchasing and supply management, project management, and quality management. OM professionals work with most other units in any organization, more so with engineering, human resource management, information systems, and marketing. The OM curriculum focuses on analytical decision-making, logistics, new product development, operations strategy, process improvement, project management, quality control, and supply chain management. Students are trained in ways of developing, making, and delivering goods and services efficiently and effectively – generating value by satisfying ever-changing customer needs while improving profitability.

Statement for Programs of Study Catalog

Course List

Code	Title	Hours
OM core requirements		18
BADM 335	Supply Chain Management Basics	3
BADM 350	IT for Networked Organizations	3
BADM 374	Management Decision Models (Prerequisite: ECON 203)	3
BADM 375	Operations Strategy	3
BADM 377	Project Management	3
~~BADM 378~~	~~Logistics Management~~	~~3~~
BADM 379	Business Process Improvement	3
~~Choose two of the following elective courses 1~~		
Choose three elective courses 1		9
BADM 311	Leading Individuals and Teams	3
BADM 312	Designing and Managing Orgs	3
BADM 329	New Product Development (Prerequisite: BADM 320)	
BADM 336	Modeling the Supply Chain	3
BADM 352	Database Design and Management	
BADM 395	Special Topics (Sec. IOP)	3
BADM 353	Info Sys Analysis and Design (Prerequisite: BADM 350)	
BADM 445	Small Business Consulting	4
~~BADM 446~~	~~Entrepreneurship: New Venture Creation 3~~	~~4~~
~~BADM 199~~	~~Undergraduate Open Seminar (section: Business in Action) 31 to 5~~	
BADM 453	Business Intelligence 2	
~~Chose one of the following elective courses: 1~~		
Total Hours		27

1
~~One of the elective course requirements from either sub-list above may be satisfied by an appropriate internship, approved in advance by the Head of the Department of Business Administration or designee.~~

2
~~Only one of these two Advanced Information Systems classes may be used for fulfilling the requirement for the major.~~

3
~~Only one of these three Experiential Learning classes may be used for fulfilling the requirement for the major.~~

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?
  124

CIP Code   520205 - Operations Management and
                    Supervision.

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

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.

Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

  The hope is to increase enrollment and 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 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

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?　No

Technology

Will the program need additional technology beyond what is currently available for the unit?　No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

Will not have any impact on additional faculty resources because all the courses are currently offered in the catalog and the enrollment change is minimal.

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 revision of the Operations Management program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BS:Operations Management -UIUC
Program Code:	10KM5600BS

Minor Code	Conc Code	Degree Code		Major Code
5600		BS		

Senate Approval
Date

Senate
Conference
Approval Date

BOT Approval
Date

IBHE Approval
Date

HLC Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer **Kathy Martensen (kmartens) (01/27/22 9:32 am):** Administrative approval: Does
Comments not change total hours/restrict students' options.

Appendix 1

Current OM Core Requirements (3 cr. Hr * 6 = 18 hrs.)	Revised Requirements (3 cr. Hr * 6 = 18 hrs.)
BADM 350 IT for Networked Organizations	BADM 335 Supply Chain Management Basics
BADM 374 Management Decision Models	BADM 350 IT for Networked Organizations
BADM 375 Operations Strategy	BADM 374 Management Decision Models
BADM 377 Project Management	BADM 375 Operations Strategy
BADM 378 Logistics Management	BADM 377 Project Management
BADM 379 Process improvement	BADM 379 Process improvement
Current Electives (2+1= 3 *3 cr hrs each = 9 hrs.)	**Revised Electives (3 *3 cr hrs each = 9 hrs.)**
Select 2 from the list below	*Select 3 from the list below*
BADM 329 New Product Development	BADM 329 New Product Development
BADM 353 Info Sys Analysis and Design	BADM 353 Info Sys Analysis and Design
BADM 352 Database Design & Management	BADM 352 Database Design & Management
BADM 453 Business Intelligence	BADM 453 Business Intelligence
	BADM 311 Leading Individuals and Teams
Select 1 from the list below	BADM 312 Designing and Managing Orgs
BADM 311 Leading Individuals and Teams	BADM 445 Small Business Consulting
BADM 312 Designing and Managing Orgs	BADM 336 Introduction to Enterprenuership
BADM 445 Small Business Consulting	BADM 395 IOP InfoSys & OpMgment Practicum
BADM 446 Entrepreneurship: New Venture Creation	
BADM 199 Business in Action	
Current Total Credit Hrs. 27	**Revised Total Credit Hrs. 27**

Program Change Request

Date Submitted: 12/02/21 3:31 pm

Viewing: **10KR5639BS : Computer Science + Music, BS**

Last approved: 09/24/20 2:48 pm

Last edit: 01/27/22 3:17 pm

Changes proposed by: Linda Moorhouse

Catalog Pages
Using this
Program

[Computer Science + Music, BS](#)

Proposal Type:

In Workflow

1. **U Program Review**
2. **1495 Head**
3. **1434 Head**
4. **KP Committee Chair**
5. **KP Dean**
6. **KR Dean**
7. **University Librarian**
8. **Provost**
9. **Senate EPC**
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DMI

Approval Path

1. 12/03/21 9:46 am
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 12/03/21 9:48 am
   Jeff Sposato
   (jsposato):
   Approved for 1495
   Head
3. 01/25/22 7:15 pm
   Elsa Gunter
   (egunter):
   Approved for 1434
   Head
4. 01/26/22 12:01
   pm
   Brooke Newell
   (bsnewell):
   Approved for KP
   Committee Chair
5. 01/26/22 12:04

pm
Candy Deaville
(candyd):
Approved for KP
Dean
6. 01/26/22 12:09
pm
Nicole Turner
(nicturn):
Approved for KR
Dean
7. 01/26/22 12:40
pm
John Wilkin
(jpwilkin):
Approved for
University
Librarian
8. 01/27/22 9:35 am
Kathy Martensen
(kmartens):
Approved for
Provost

History

1. Feb 22, 2019 by
Deb Forgacs
(dforgacs)
2. Feb 22, 2019 by
Deb Forgacs
(dforgacs)
3. Sep 9, 2019 by
Nicole Turner
(nicturn)
4. Feb 3, 2020 by
Deb Forgacs
(dforgacs)
5. Sep 24, 2020 by
Linda Moorhouse
(moorhouz)

Major (ex. Special Education)

This proposal is
for a:
Revision

Administration Details

Official Program Name	Computer Science + Music, BS
Sponsor College	Fine & Applied Arts
Sponsor Department	Music
Sponsor Name	Dr. Linda Moorhouse
Sponsor Email	moorhouz@illinois.edu
College Contact	Dr. 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.*

Sponsor will edit proposal if rolled back.

Does this program have inter-departmental administration?

Yes

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)

Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

Computer Science oversees the courses in their area. The School of Music oversees the program.

College	Grainger College of Engineering
Department	Computer Science

Is there an additional department involved in governance?

No

Proposal Title

Effective Catalog Term	Fall 2021

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BS in CS + Music

Revision of the Bachelor of Science in Computer Science and Music, School of Music,
College of Fine and Applied Arts

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

These changes are a response to Computer Science's spring and fall 2021 course revisions along with recent School of Music course revisions. Revisions are notated below:

(1) Replace CS 125 (Introduction to Computer Science) and CS 126 (Software Design Studio) with CS 124 (Introduction to Computer Science I), CS 128 (Introduction to Computer Science II), and CS 222 (Software Design Lab). No change to overall course credits.

(2) Add an "either/or" pairing into the CS + Music Studies curriculum table: CS 233 (Computer Architecture) and CS 341 (System Programming) OR CS 340 (Introduction to Computer Systems) and any two 400-level CS courses above CS 403 (Accelerated Fundamentals of Algorithms II), excluding CS 421 (Programming Languages and Compilers) and CS 491 (Seminar). Note: CS 340 was formerly CS 240, and CS 341 was formerly CS 241.

(3) Replace CS 498 (Special Topics, Audio Signal Processing) with CS 448 (Audio Computing Laboratory).

(4) Add MUS 100 (First-year Seminar for Music Majors). This POTB course begins as FAA 101 (POTA) finishes and meets one day a week in the same day/time slot as the FAA 101 lecture. The course allows us to connect with our new music majors, see how they are doing physically and emotionally, answer questions they have about the degrees they are in, discuss what it means to be a music major, including the day-to-day stresses of assignments, homework, projects, and class attendance. We can address any problems more quickly, plus reinforce campus, FAA, and School of Music resources.

(5) Revise credit hours for MUS 110 (Intro to Art Music: Intl Perspectives) and MUS 208 (Musicianship IV) by adding one credit to each course. MUS 110 meets four days a week and MUS 208 meets three days a week. MUS 110 is now three credits; MUS 208 is now two credits.

(6) Delete the six hours of Advanced Musicology and Advanced Music Theory. The advanced musicology and music theory requirements are holdovers from previous degree formats. We are moving away from our degrees having to look and feel like one another.

(7) Replace "MUS 404 (Contemporary Compositional Techniques) or MUS 448 (Computer Music)" with MUS 305 (Computation and Music III), the third and final course in the sequence of Computation and Music. MUS 404 (Contemporary Compositional Techniques) is a course designed for composers and MUS 448 (Computer Music) is not offered anymore.

(8) Add MUS 202 (Music Theory and Practice IV), the fourth semester in the music theory sequence. This last year, we revised our music theory sequence to include more fundamental music literacy and music technology in the first music theory course (MUS 101, Music Theory and Practice I), which then required us to bring back the fourth

(9) There is no change to the minimum overall program hours of 120 hours. Footnote tables are also updated.

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 the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

These revisions will not impact the learning outcomes and assessment of these outcomes.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   Curriculum_Table_CS+Music_SP22.pdf
                      SP22_Official CS+Music 10222021.pdf

Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

Minimum hours required for graduation: 120 ~~120~~ hours

General Education and College Orientation

Course List

Code	Title	Hours
Orientation to Fine & Applied Arts and Music		
FAA 101	Arts at Illinois	1
MUS 100	First-year Seminar for Music Majors	0
General Education and Graduation Requirements		
Composition I		4
Advanced Composition		3
Humanities and the Arts - fulfilled by MUS 313 and MUS 314 1		6
Cultural Studies: Western/Comparative Culture(s)		3
Cultural Studies: Non-Western Culture(s)		3
Cultural Studies: U.S. Minority Culture(s)		3
Natural Sciences and Technology		6
Social and Behavioral Sciences		6
~~Quantitative Reasoning I and II 3~~		~~6~~
Quantitative Reasoning I and II - fulfilled by CS 124 and CS 128 26		
Foreign Language 3		0-12

1
Completion of both MUS 313 and MUS 314 meets the general education requirement for Humanities and the Arts.

2
Completion of both CS 124 and CS 128 meets the general education requirement for Quantitative Reasoning I and Quantitative Reasoning II.

3
The Language Requirement may be satisfied by successfully completing a third-semester college-level course in a language other than English; successful completion, in high school, of the third year of a language other than English; or demonstrating proficiency at the third-semester level in a language proficiency examination approved by the College of Liberal Arts and Sciences and the appropriate department.

Music Core ~~Coursework~~

Course List

Code	Title	Hours
Music Theory and Musicianship		
MUS 101	Music Theory and Practice I	2
MUS 102	Music Theory and Practice II	2
MUS 201	Music Theory and Practice III	2

Code	Title	Hours
MUS 202	Music Theory and Practice IV	2
MUS 107	Musicianship I	2
MUS 108	Musicianship II	2
MUS 207	Musicianship III	2
MUS 208	Musicianship IV	2

Musicology

MUS 110	Introd Art Mus: Intl Perspect	3
MUS 313	The History of Music I	3
MUS 314	The History of Music II	3

~~Performance Studies 2~~

Keyboard

MUS 172	Grp Instr Pno for Mus Major I 42	
MUS 173	Grp Instr Pno for Mus Maj II	2

4

All students must demonstrate keyboard competency when they audition, by proficiency examination when they matriculate, or by enrolling in MUS 172 and/or MUS 173.

CS + Music Studies ~~Core Coursework~~

Course List

Code	Title	Hours
Music		
MUS 105	Computation and Music I	2
MUS 205	Computation and Music II	2
MUS 299	Thesis/Adv UG Honors in Music	1 or 2
~~MUS 404~~	~~Contemp Compos Techniques~~	~~3~~
~~or MUS 448~~	~~Computer Music~~	
MUS 305	Computation and Music III	3
MUS 407	Elect Music Techniques I	3
MUS 409	Elec Music Techniques II	2
~~Advanced Music Theory~~		~~3~~
~~Advanced Musicology~~		~~3~~
Senior Project or Senior Thesis		
Computer Science		
~~CS 125~~	~~Introduction to Computer Science 3~~	~~4~~
~~CS 126~~	~~Software Design Studio~~	~~3~~
CS 124	Introduction to Computer Science I	3
CS 128	Introduction to Computer Science II	3
CS 173	Discrete Structures	3
CS 222	Software Design Lab	1
CS 225	Data Structures	4

Choose one of the following CS combinations:

CS 233	Computer Architecture	8
& CS 341	and System Programming	
CS 241	Course CS 241 Not Found	4

or

CS 340 Introduction to Computer Systems
and any two 400-level CS courses above CS 403, excluding CS 421 and CS 491 (6-8 hours)

CS 361	Probability & Statistics for Computer Science 5	3

Code	Title	Hours
CS 374	Introduction to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3
~~CS 498~~	~~Special Topics (Audio Signal Processing)~~	~~3~~
CS 448	Audio Computing Laboratory	3 or 4
Engineering		
ECE 402	Electronic Music Synthesis	3
Math		
MATH 220	Calculus 6	4 or 5
or MATH 221	Calculus I	
MATH 231	Calculus II	3
MATH 225	Introductory Matrix Theory	2 or 3
or MATH 257	Linear Algebra with Computational Applications	

~~1~~

~~Completion of both MUS 313 and MUS 314 meets the general education requirement for Humanities and the Arts.~~

~~2~~

~~All students must demonstrate keyboard competency by examination when they matriculate or by enrolling in MUS 172 and/or MUS 173. It is possible to proficiency out of group piano courses through proficiency examination.~~

~~3~~

~~Completion of both CS 125 and CS 225 meets the general education requirement for Quantitative Reasoning I and Quantitative Reasoning II.~~

~~4~~

~~Students who are more interested in systems building can substitute CS 427 (Software Engineering I) for CS 361.~~

5

Students who are more interested in systems building can substitute CS 427 (Software Engineering I) for CS 361.

6

Students must take the ALEKS placement exam for course entry.

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?

  120

| CIP Code | 110199 - Computer and Information Sciences, Other. |

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

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.

Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact.

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   N/A
Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

No impact.

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)

N/A

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

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently
available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result

in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

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.

No impact.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BS:Computer Sci & Music - UIUC
Program Code:	10KR5639BS

Minor Code	Conc Code	Degree Code	BS	Major Code
5639				

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	

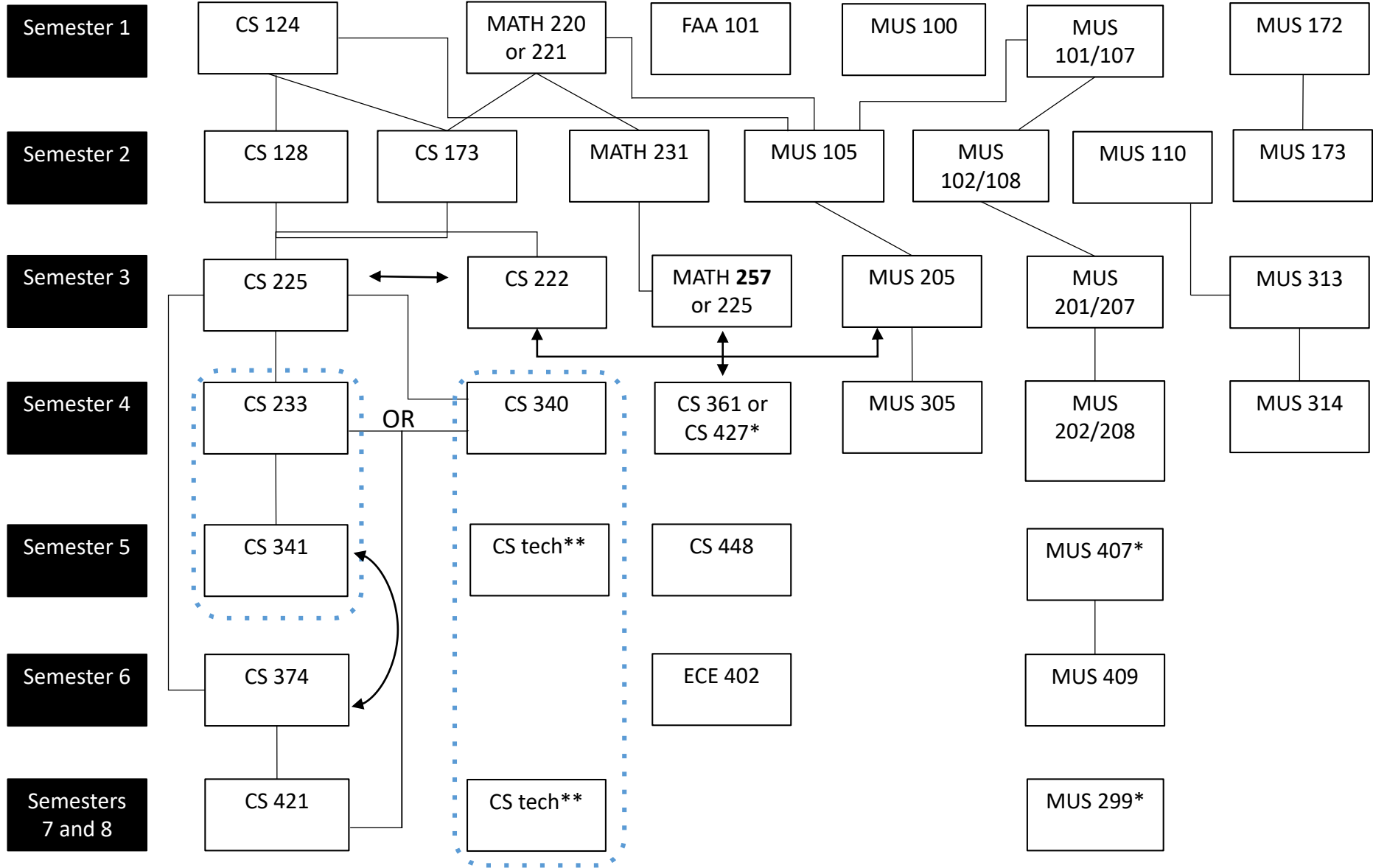|	
IBHE Approval Date	
HLC Approval Date	
Effective Date:	
Attached Document Justification for this request	
Program Reviewer Comments	**Deb Forgacs (dforgacs) (09/29/21 3:56 pm):** Re-entered the proposal type, the corresponding program and the CIP code due to system bug 09/27/2021 **Deb Forgacs (dforgacs) (10/06/21 2:39 pm):** Rollback: Requested by Linda Moorhouse. **Jeff Sposato (jsposato) (10/06/21 10:18 pm):** Rollback: Upon request **Jeff Sposato (jsposato) (11/04/21 4:32 pm):** Rollback: Upon request **Elsa Gunter (egunter) (11/13/21 10:25 am):** Rollback: I am rolling this back, per your request, so that you can incorporate the renumberings of CS 240 to CS 340 and CS 241 to CS 341. I have given you my comments on this by proposal otherwise by separate email. ---Elsa **Kathy Martensen (kmartens) (01/27/22 9:33 am):** Administrative approval: Does not change total hours/restrict students' options.

Key: 136

BS in CS + Music

Current Curriculum (red text = deletion/edits)

Revised Curriculum (red text = addition or change in course content and/or credit hours) * = upper-level hours

Course #	Course Title	Hours	Course #	Course Title	Hours
General Education and Orientation			**General Education and Orientation**		
	Orientation to Arts at Illinois			**Orientation to FAA and Music**	
FAA 101	Arts at Illinois (POTA)	1	FAA 101	Arts at Illinois (POTA)	1
			MUS 100	First-year Seminar for Music (POTB)	0
	General Ed and Graduation Requirements			**General Ed and Graduation Requirements**	
	Composition I	4		Composition I	4
	Advanced Composition	3		Advanced Composition	3
	Humanities and the Arts - fulfilledby <u>MUS 313</u> and <u>MUS 314</u> [1]	6		Humanities and the Arts - fulfilledby <u>MUS 313</u> and <u>MUS 314</u> [1]	6
	Cultural Studies: Western/Comp Culture(s)	3		Cultural Studies: Western/Comp Culture(s)	3
	Cultural Studies: Non-Western Culture(s)	3		Cultural Studies: Non-Western Culture(s)	3
	Cultural Studies: US Minority Culture(s)	3		Cultural Studies: US Minority Culture(s)	3
	Social and Behavioral Sciences	6		Social and Behavioral Sciences	6
	Quantitative Reasoning I and II [2]	6		Quantitative Reasoning I and II [2]	6
	Natural Sciences and Technology	6		Natural Sciences and Technology	6
	Foreign Language	0-12		Foreign Language [3]	0-12
		41-52			41-52
Music Core ~~Coursework~~			**Music Core**		
	Music Theory and Musicianship			**Music Theory and Musicianship**	
MUS 101	Music Theory and Practice I	2	MUS 101	Music Theory and Practice I	2
MUS 102	Music Theory and Practice II	2	MUS 102	Music Theory and Practice II	2
MUS 201	Music Theory and Practice III	2	MUS 201	Music Theory and Practice III	2*
			MUS 202	Music Theory and Practice IV	2*
MUS 107	Musicianship I	2	MUS 107	Musicianship I	2
MUS 108	Musicianship II	2	MUS 108	Musicianship II	2
MUS 207	Musicianship III	2	MUS 207	Musicianship III	2*
MUS 208	Musicianship IV	~~1~~	MUS 208	Musicianship IV	2*
	Musicology			**Musicology**	
MUS 110	Intro to Art Music: Int Perspectives	2	MUS 110	Intro to Art Music: Int Perspectives	3
MUS 313	The History of Music I [3]	3	MUS 313	The History of Music I	3*
MUS 314	The History of Music II	3	MUS 314	The History of Music II	3*
	~~Performance Studies~~ [4]			**Keyboard**	
MUS 172	Group Instruct in Piano Music Majors I	2	MUS 172	Group Instruct in Piano Music Majors I [4]	2
MUS 173	Group Instruct in Piano Music Majors II	2	MUS 173	Group Instruct in Piano Music Majors II	2
	CS + Music ~~Core Coursework~~		**CS + Music Studies**		
MUS 105	Computation and Music I	2	MUS 105	Computation and Music I	2
MUS 205	Computation and Music II	2	MUS 205	Computation and Music II	2
MUS 299	Thesis/Adv UG Honors in Music	1 or 2	MUS 299	Thesis/Adv UG Honors in Music	1 or 2
~~MUS 404~~	~~Contemporary Compositional Techniques~~	~~3~~	MUS 305	Computation and Music III	3*
~~or MUS 408~~	~~Computer Music~~	~~3~~	MUS 407	Electronic Music Techniques I	3*
MUS 407	Electronic Music Techniques I	3	MUS 409	Electronic Music Techniques II	2*
MUS 409	Electronic Music Techniques II	2		Senior Project or Senior Thesis	
	~~Advanced Music Theory~~	~~3~~		**Computer Science**	
	~~Advanced Musicology~~	~~3~~	CS 124	Introduction to Computer Science I	3
	Senior Project or Senior Thesis		CS 128	Introduction to Computer Science II	3
	Computer Science		CS 173	Discrete Structures	3
~~CS 125~~	~~Introduction to Computer Science~~	~~4~~	CS 222	Software Design Lab	1

CS 126	~~Software Design Studio~~	~~3~~	CS 225	Data Structures	4

CS 173	Discrete Structures	3
CS 225	Data Structures	4
CS 233	Computer Architecture	4
~~CS 241~~	System Programming	4
CS 361	Probability & Statistics for Computer Science [5]	3
CS 374	Intro to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3
~~CS 498~~	~~Special Topics (Audio Signal Processing)~~	~~3~~
	Engineering	
ECE 402	Electronic Music Synthesis	3
	Math	
MATH 220 or 221	Calculus [6] / Calculus I	4 / 5
MATH 225 or 257	Introductory Matrix Theory / Linear Algebra with Comp. Applications	2 / 3

	Choose one of the following CS combinations:	
CS 233 & CS 341	Computer Architecture / System Programming	4 / 4
or		4
CS 340 + 2 CS courses	Introduction to Computer Systems & any two 400-level CS courses above CS 403, excluding CS 421 and CS 491	3 / 6-8*
CS 361	Probability & Statistics for Computer Science [5]	3*
CS 374	Intro to Algorithms & Models of Computation	4*
CS 421	Programming Languages & Compilers	3*
CS 448	Audio Computing Laboratory	3*
	Engineering	
ECE 402	Electronic Music Synthesis	3*
	Math	
MATH 220 or 221	Calculus [6] / Calculus I	4 / 5
MATH 225 or 257	Introductory Matrix Theory / Linear Algebra with Comp. Applications	2 / 3

CS + Music Footnotes (current)

1. Six hours of general education requirements in the Humanities and the Arts are met by courses required in the BMUS degree (MUS 313 and MUS 314).

2. Completion of both CS 125 and CS 225 meets the general education requirement for Quantitative Reasoning I and Quantitative Reasoning II.

3. All students must demonstrate keyboard competency by examination when they matriculate or by enrolling in MUS 172 and/or MUS 173.

4. Completion of both MUS 313 and MUS 314 meets the general education Humanities and the Arts requirement.

5. Students who are more interested in systems building can substitute CS 427 (Software Engineering I) for CS 361

6. Students must take the ALEKS placement exam for course entry.

CS + Music Footnotes (revised)

1. Completion of both MUS 313 and MUS 314 meets the generaleducation Humanities and the Arts requirement.

2. Completion of both CS 124 and CS 128 meets the generaleducation requirement for Quantitative Reasoning I and Quantitative Reasoning II.

3. The Language requirement may be satisfied by successfully completing a third-semester college-level course in a languageother than English; successful completion, in high school, of the third year of a language other than English; or demonstrating proficiency at the third-semester level in a language proficiency examination approved by the College ofLiberal Arts and Sciences and the appropriate department.

4. All students must demonstrate keyboard competency whenthey audition, by examination when they matriculate, or by enrolling in MUS 172 and/or MUS 173.

5. Students who are more interested in systems building cansubstitute CS 427 (Software Engineering I) for CS 361.

6. Students must take the ALEKS placement exam for courseentry.

Curriculum Flow Chart for Computer Science + Music

Semester 1

CS 124 | MATH 220 or 221 | FAA 101 | MUS 100 | MUS 101/107 | MUS 172

Semester 2

CS 128 | CS 173 | MATH 231 | MUS 105 | MUS 102/108 | MUS 110 | MUS 173

Semester 3

CS 225 | CS 222 | MATH **257** or 225 | MUS 205 | MUS 201/207 | MUS 313

Semester 4

CS 233 | OR | CS 340 | CS 361 or CS 427* | MUS 305 | MUS 202/208 | MUS 314

Semester 5

CS 341 | CS tech** | CS 448 | MUS 407*

Semester 6

CS 374 | ECE 402 | MUS 409

Semesters 7 and 8

CS 421 | CS tech** | MUS 299*

Follow the College of FAA General Education & Language Requirements.

*A **line** from one course to another indicates that the first course is a prerequisite for the second, concurrent enrollment acceptable where there are **straight arrows**; **curved arrows** indicate courses can be taken in either order but should not be taken together.*

*See course explorer for course prerequisites: https://courses.illinois.edu/

**CS tech must be 400-level CS above CS 403, excluding CS 421 and CS 491.

Consult with Music Advisor for electives.

Curriculum Plan: Computer Science + Music Beginning Fall 2021

_____ FAA 101   _____ MUS 100

General Education Requirements

_____ Composition I

_____ Advanced Composition

_____ 3hrs Humanities and the Arts*

_____ 3hrs Humanities and the Arts*

_____ 3hrs Social Behavioral Science

_____ 3hrs Social Behavioral Science

_____ 3hrs Nat Sciences & Technology

_____ 3hrs Nat Sciences & Technology

Cultural Studies

_____ Western Culture

_____ Non-Western Culture

_____ US Minority Culture

*Completed with MUS 313/314

Math Courses

_____ MATH 220 5hrs, Calc or
  MATH 221 4hrs, Calc I

_____ MATH 231 3hrs, Calc II

_____ MATH 257 3hrs, Lin Alg w/Comp. Apps. or
  MATH 225 2hrs, Into Matrix Theory

It is recommended that you work in concert with your assigned academic advisor to ensure you are on track to successfully complete your degree.

_____ 120 hours required for graduation
_____ 60 hours required for residency

Computer Science Courses

_____ CS 100 1hr, Fresh Orientation (*Recommended*)

_____ CS 124 3hrs, Intro to Computer Science I

_____ CS 128* 3hrs, Intro to Computer Science II

_____ CS 173** 3hrs, Discrete Structures

_____ CS 222* 1hr, Software Design Lab

_____ CS 225** 4hrs, Data Structures

_____ **CS 340 3hrs, Intro to Computer Systems****

_____ **CS tech*** 3hrs, 400-level CS Elective**

_____ **CS tech*** 3hrs, 400-level CS Elective**

OR

_____ *CS 233 4hrs, Computer Architecture***

_____ *CS 341 4hrs, Systems Programming***

_____ CS 361** 3hrs, Probability and Statistics for CS or
  CS 427** 3hrs, Software Engineering I

_____ CS 374** 4hrs, Algorithms & Models of Comp

_____ CS 421** 3hrs, Programing Languages and Compilers

_____ CS 448* 3hrs, Audio Computing Laboratory

_____ ECE 402* 3hrs, Electronic Music Synthesis

*Has prerequisites and/or co-requisite; See Course Explorer **&** if you have earned credit for CS 225, see a CS advisor
** Has prerequisites and/or co-requisite; See Course Explorer
***400 level above CS 403, excluding CS 421 and CS 491. These two courses must be distinct from all other courses used to fulfill program requirements or options.

Additional Notes
To meet a course's prerequisites you will need to have earned the listed prerequisite credit or be on path to earn the prerequisite credit before the course begins.
Some courses are offered fall-only or spring-only. Be sure to plan ahead!
Working ahead in your CS coursework does not guarantee entrance into the next CS course.

Music Theory & Musicianship

_____ MUS 101 2hrs, Music Theory and Practice I

_____ MUS 102* 2hrs, Music Theory and Practice II

_____ MUS 201* 2hrs, Music Theory and Practice III

_____ MUS 202* 2hrs, Music Theory and Practice IV

_____ MUS 107 2hrs, Musicianship I

_____ MUS 108* 2hrs, Musicianship II

_____ MUS 207* 2hrs, Musicianship III

_____ MUS 208* 2hrs, Musicianship IV

Musicology

_____ MUS 110 3hrs, Intrd Art Mus: Intl Perspect

_____ MUS 313* 3hrs, The History of Music I (HUM)

_____ MUS 314* 3hrs, The History of Music II (HUM)

Keyboard

_____ MUS 172 2hrs, Grp Instr Piano for Mus Major I

_____ MUS 173* 2hrs, Grp Instr Piano for Mus Major II

CS + Music Studies

_____ MUS 105* 2hrs, Computation and Music I

_____ MUS 205* 2hrs, Computation and Music II

_____ MUS 305* 3hrs, Computation and Music III

_____ MUS 407* 3hrs, Elect Music Techniques I

_____ MUS 409* 2hrs, Elec Music Techniques II

_____ MUS 299* 1-2hrs, Thesis/Adv UG Honors in Music

*Has prerequisites and/or co-requisite; See Course Explorer

Program Change Request

EP.22.082
Admin Approval #B5

Date Submitted: 01/21/22 10:22 am

Viewing: **10KV0464BSLA : Statistics & Computer Science, BSLAS**

Last approved: 05/11/21 3:22 pm

Last edit: 01/27/22 3:22 pm

Changes proposed by: Amy Elli

[Statistics & Computer Science, BSLAS](#)

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. **U Program Review**
2. **1583 Head**
3. **1434 Head**
4. **KP Committee Chair**
5. **KP Dean**
6. **KV Dean**
7. **University Librarian**
8. **Provost**
9. **Senate EPC**
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DMI

Approval Path

1. 01/25/22 3:18 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 01/25/22 5:59 pm
   Bo Li (libo):
   Approved for 1583
   Head
3. 01/25/22 7:18 pm
   Elsa Gunter
   (egunter):
   Approved for 1434
   Head
4. 01/26/22 5:56 am
   Brooke Newell
   (bsnewell):
   Approved for KP
   Committee Chair
5. 01/26/22 7:50 am
   Candy Deaville
   (candyd):

History

1. Mar 22, 2019 by
Deb Forgacs
(dforgacs)
2. Jun 10, 2019 by
Amy Elli (amyelli)
3. May 11, 2021 by
Amy Elli (amyelli)

Major (ex. Special Education)

This proposal is
for a:
Revision

Administration Details

Official Program Name	Statistics & Computer Science, BSLAS
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Statistics
Sponsor Name	David Unger, Director of Undergraduate Programs, Department of Statistics
Sponsor Email	dunger@illinois.edu
College Contact	Stephen R. Downie Kelly Ritter	College Contact

Email	sdownie@illinois.edu ~~ritterk@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.*

Stephen Herzog

Does this program have inter-departmental administration?

Yes

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)

Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

College	Grainger College of Engineering
Department	Computer Science

Is there an additional department involved in governance?

No

Proposal Title

Effective Catalog Term	Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BSLAS in Statistics & Computer Science.

Curricula update to Statistics + Computer Science, BSLAS

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

> The department of Computer Science renumbered two courses that are in the curricula without any changes to the content effective Fall 2022.
> The courses are
> CS 241:System programming renumbered to CS 341.
> CS 240:Introduction to Computer Systems renumbered to CS 340.
>
> move dept distinction up above the grid, but still on the Degree Req tab.

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 the program include other courses/subjects impacted by the creation/revision of this program?

> Yes

Required courses
MATH 257 - Linear Algebra w Computat Appl

Explain how the inclusion or removal of the courses/subjects listed above impacts the offering departments.
N/A

Attach letters of support or acknowledgement from other departments.

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

Computer Science: In order to track student progress in achieving the student outcomes of the CS component of the Stat&CS program, the Department of Computer Science has identified a set of "core courses" that ensure student outcomes are being reached. These include the following courses that all students must take: CS 124, CS 128, CS 173, CS 225, CS 222, One of 240 or (CS 233 and CS 341), 241), CS 357, CS 374, and CS 421. The Department of Computer Science tracks, on a rolling three year basis, the student attainment of the Learning Objectives of these core courses and assesses their contributions to the Student Outcomes used for all students in CS courses.

Statistics: We will continue to monitor Student Learning Outcomes for this program as outlined in our Assessment Plan filed with the Provost's Office. In fact, this proposal is an outcome of that effort. Through student performance, student and industry survey, and evaluation of emerging trends in our field, the proposed revisions address opportunities to improve student learning with our BS Statistics program.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   Attach a side-by-side comparison with the existing program
                      AND, if the revision references or adds "chose-from" lists of
                      courses students can select from to fulfill requirements, a listing
                      of these courses, including the course rubric, number, title, and
                      number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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.

Please put this text on the degree requirements tab right above the grid:

Departmental distinction: To graduate with distinction requires a specified minimum grade point average in all Computer Science, Statistics, and Mathematics courses listed below. A GPA of 3.25 is required for Distinction, 3.5 for High Distinction, and 3.75 for Highest Distinction.
General education: Students must complete the Campus General Education requirements including the campus general education language requirement.

Minimum required major and supporting course work: Normally equates to 68-72 hours. At least 12 hours of 300- and 400-level courses must be taken on this campus.

Minimum hours required for graduation: 120 hours

Statement for Programs of Study Catalog

Course List

Code	Title	Hours
CS 100	Freshman Orientation (recommended)	1
Mathematical Foundation		
Calculus through MATH 241: Calculus III		11-12
MATH 257	Linear Algebra with Computational Applications	3
or MATH 415	Applied Linear Algebra	
Computer Science Foundation		
CS 124	Introduction to Computer Science I	3
CS 128	Introduction to Computer Science II	3
CS 173	Discrete Structures	3
CS 222	Software Design Lab	1
CS 225	Data Structures	4
Choose one of the following combinations:		8-11
CS 233	Computer Architecture	
& CS 341	and System Programming	
OR		
CS 240	Course CS 240 Not Found	
CS 340	Introduction to Computer Systems	
& two CS courses at the 400 level above CS 403, excluding CS 421 and CS 491. These two courses must be distinct from all other courses used to fulfill program requirements or options.		
CS 357	Numerical Methods I	3
CS 374	Introduction to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3
Probability and Statistics Foundation		
Choose one of the following:		3-4
STAT 107	Data Science Discovery	
STAT 200	Statistical Analysis	
STAT 212	Biostatistics	

Code	Title	Hours
STAT 400	Statistics and Probability I	4
STAT 410	Statistics and Probability II	3 or 4
STAT 425	Statistical Modeling I	3 or 4
STAT 426	Statistical Modeling II	3 or 4
Statistical Application Electives -Choose one of the following:		3
STAT 428	Statistical Computing	
STAT 431	Applied Bayesian Analysis	
STAT 432	Basics of Statistical Learning	
STAT 434	Survival Analysis	
STAT 448	Advanced Data Analysis	
Computational Application Elective - Choose one of the following:		3
CS 410	Text Information Systems	
CS 411	Database Systems	
CS 412	Introduction to Data Mining	
CS 446	Machine Learning	
CS 481	Advanced Topics in Stochastic Processes & Applications	
CS 482	Simulation	
Total Hours		68-72

Departmental distinction:To graduate with distinction requires a specified minimum grade point average in all Computer Science, Statistics, and Mathematics courses listed below.A GPA of 3.25 is required for Distinction, 3.5 for High Distinction, and 3.75 for Highest Distinction.General education:Students must complete the Campus General Education requirements including the campus general education language requirement.Minimum required major and supporting course work:Normally equates to 68-72 hours.At least 12 hours of 300- and 400-level courses must be taken on this campus.Minimum hours required for graduation:120 hours

Corresponding Degree: BSLAS Bachelor of Science in Liberal Arts and Sciences

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?
   120

CIP Code: 270599 - Statistics, Other.

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   Fall 2022 2021
Admissions Term

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 proposed changes to Admission Requirements

Describe how critical academic functions such as admissions and student advising are managed.
              First-Year student (i.e., "freshman") admissions are primarily determined by the College of Liberal Arts & Sciences (LAS) and Office of Undergraduate Admissions (OUA). There is some input from our department but Computer Science provides most of the guidance to balance our enrollment with fellow programs in Computer Science (ENG), Mathematics & Computer Science (LAS), and the CS+X majors. Students who wish to transfer into Stat&CS must successfully complete a series of introductory courses in both departments prior to submitting an application portfolio which includes essay writing.
              Our departments share in the responsibility of mentoring and advising students in Stat&CS. Readiness for entering the program, continued progress in the major, and preparation for post-baccalaureate opportunities (such as graduate school or employment) are monitored by a team of full-time academic and career advisors, faculty, and program directors within our two Departments.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

  No impact to unit.

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?

Yes

Please describe the budgetary implications for this revision, addressing applicable personnel, facilities,
technology and supply costs.

No impact to unit. ~~Computer Science:This revision constitutes a redistribution of
existing instructional resources but should not cause a significant change in applicable
personnel, technology, and supply costs.Allowing CS 128 to be taken by non-majors,
as well as majors, will increase the enrollment over and above that of CS 126 and CS
242 and may have a small impact on scheduling (requiring a larger classroom or
additional lectures) but this will be partially offset by eliminating redundancies (e.g.,
the need to teach both CS 126 and CS 242).The need for additional Teaching Assistants
in CS 128 in contrast to CS 126 and CS 242 combined, due to outside enrollment now
being allowed, will be offset by the revenue generated by the additional income for the
additional IUs.Statistics:This is a revision of an existing degree program, and for the
most part involves only a shift in enrollments of courses currently offered within
Statistics.In particular, we will have to increase the availability of the now-required
STAT 426, but that is offset by the relocation of STAT 428 from required to elective.~~

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 is no impact on the already existing arrangements that support the Stat&CS
  program financially. This is a revision of an existing degree program, and for the most
  part involves only a shift in enrollments of courses taken within the units already.

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

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact to unit.

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.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number

EP.22.082

Attach
Rollback/Approval
Notices

This proposal   No
requires HLC
inquiry

DMI Documentation

Attach Final
Approval Notices

Banner/Codebook   BSLAS:Stats & Comp Sci -UIUC
Name

Program Code: 10KV0464BSLA

Minor Code	Conc Code	Degree Code	BSLAS	Major Code
0464				

Senate Approval
Date

Senate
Conference
Approval Date

BOT Approval
Date

IBHE Approval
Date

HLC Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer   **Kathy Martensen (kmartens) (01/27/22 9:49 am):** Administrative approval: Does
Comments   not change total hours; doesn't restrict student choice.

Key: 257

Date Submitted: 01/19/22 9:45 am

Viewing: **10KV1438BSLA : Mathematics & Computer Science, BSLAS**

Last approved: 05/12/21 2:15 pm

Last edit: 01/27/22 3:22 pm

Changes proposed by: Beth McKown

Mathematics & Computer Science, BSLAS

Catalog Pages
Using this
Program

Proposal Type:

Approval Path

1. 01/19/22 4:24 pm
Deb Forgacs
(dforgacs):
Approved for U
Program Review
2. 01/23/22 6:15 pm
Vera Hur
(verahur):
Approved for 1257
Head
3. 01/25/22 7:19 pm
Elsa Gunter
(egunter):
Approved for 1434
Head
4. 01/26/22 5:56 am
Brooke Newell
(bsnewell):
Approved for KP
Committee Chair
5. 01/26/22 7:50 am
Candy Deaville

Major (ex. Special Education)

This proposal is
for a:
  Revision

Administration Details

Official Program Name	Mathematics & Computer Science, BSLAS
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Mathematics
Sponsor Name	Vera Hur, ~~Jeremy Tyson,~~ Professor and Dept Chair ~~Head~~
Sponsor Email	verahur@illinois.edu ~~tyson@illinois.edu~~
College Contact	Stephen R. Downie - BEM ~~Kelly Ritter~~

College Contact
Email

sdownie@illinois.edu ~~ritterk@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.*

Stephen Herzog

Does this program have inter-departmental administration?

Yes

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)

Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

College	Grainger College of Engineering
Department	Computer Science

Is there an additional department involved in governance?

No

Proposal Title

Effective Catalog Term	Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BSLAS in Mathematics & Computer Science.

Curricula Update to Mathematics & Computer Science, BSLAS

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

CS 241:System Programming has been renumbered to CS 341. CS 240:Introduction to Computer Systems has been renumbered to CS 340. Both are effective Fall 2022. Updating Course Listing to reflect these changes.

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 the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

General education: Students must complete the Campus General Education requirements including the campus general education language requirement.

Minimum required major and supporting course work: Normally equates to

70 hours. Twelve hours of 300- and 400-level in the major must be taken on this campus.

Minimum hours required for graduation: 120 hours.

Requirements

Course List

Code	Title	Hours
CS 100	Freshman Orientation (recommended)	1
Calculus through MATH 241-Calculus III		11-12
CS 124	Introduction to Computer Science I	3
CS 128	Introduction to Computer Science II	3
MATH 347	Fundamental Mathematics	3
or MATH 348	Fundamental Mathematics-ACP	
CS 173	Discrete Structures	3
CS 225	Data Structures	4
CS 222	Software Design Lab	1
Choose one of the following combinations		8-11
CS 233	Computer Architecture	
& CS 341	and System Programming	
OR		
CS 240	Course CS 240 Not Found	
CS 340	Introduction to Computer Systems	
& two CS courses at the 400 level above CS 403, excluding CS 421 and CS 491. These two courses must be distinct from all other courses used to fulfill program requirements or options.		
CS/MATH 357	Numerical Methods I	3
CS 374	Introduction to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3
CS 450	Numerical Analysis	3 or 4
MATH 415	Applied Linear Algebra	3
or MATH 416	Abstract Linear Algebra	
400-level mathematics and computer science requirements:		18
Students must select at least six 400-level mathematics and computer science courses, including one from each of the following groups:		
GROUP I		
CS 361	Probability & Statistics for Computer Science (recommended)	
MATH 461	Probability Theory	
STAT 400/MATH 463	Statistics and Probability I	
GROUP II		
MATH 412	Graph Theory	
MATH 413	Intro to Combinatorics	
MATH 417	Intro to Abstract Algebra	
MATH 427	Honors Abstract Algebra	
GROUP III		
MATH 441	Differential Equations	
MATH 446	Applied Complex Variables	
MATH 484	Nonlinear Programming	

Code	Title	Hours
GROUP IV		
MATH 424	Honors Real Analysis	
MATH 444	Elementary Real Analysis	
MATH 447	Real Variables	
GROUP V		
MATH 414	Mathematical Logic	
CS/MATH 473	Algorithms	
CS/MATH 475	Formal Models of Computation	
CS 476	Program Verification	
CS 477	Formal Software Development Methods	
Total Hours		**68-76**

Corresponding Degree	BSLAS Bachelor of Science in Liberal Arts and Sciences

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?
  120

CIP Code	300801 - Mathematics and Computer Science.

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	Fall 2022 ~~2021~~

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.

        N/A

Describe how critical academic functions such as admissions and student advising are managed.

        N/A

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact to unit.

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?

        No impact to unit. ~~No impact.~~

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

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact to unit.

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.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number Attach Rollback/Approval Notices	EP.22.082

This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BSLAS:Math&Computer Sci -UIUC
Program Code:	10KV1438BSLA

Minor Code		Conc Code		Degree Code	BSLAS	Major Code	
1438							

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
Effective Date:	
Attached Document Justification for this request	
Program Reviewer Comments	**Kathy Martensen (kmartens) (01/27/22 9:52 am):** Administrative approval: No change to total hours required; does not restrict student choice.

Key: 229

Program Change Request

Date Submitted: 01/18/22 3:56 pm

Viewing: **10KV5349BSLA : Computer Science + Astronomy, BSLAS**

Last approved: 05/11/21 12:06 pm

Last edit: 01/27/22 3:24 pm

Changes proposed by: Beth McKown

Catalog Pages
Using this
Program

[Computer Science + Astronomy, BSLAS](#)

Proposal Type:

In Workflow

1. **U Program Review**
2. **1430 Head**
3. **1434 Head**
4. **KP Committee Chair**
5. **KP Dean**
6. **KV Dean**
7. **University Librarian**
8. **Provost**
9. **Senate EPC**
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DMI

Approval Path

1. 01/19/22 4:25 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 01/20/22 9:24 am
   Leslie Looney
   (lwl): Approved
   for 1430 Head
3. 01/20/22 10:19
   am
   Elsa Gunter
   (egunter):
   Approved for 1434
   Head
4. 01/21/22 2:07 pm
   Brooke Newell
   (bsnewell):
   Approved for KP
   Committee Chair
5. 01/21/22 2:11 pm
   Candy Deaville

(candyd):
Approved for KP
Dean

6. 01/26/22 8:42 am
Stephen Downie
(sdownie):
Approved for KV
Dean

7. 01/26/22 8:54 am
John Wilkin
(jpwilkin):
Approved for
University
Librarian

8. 01/27/22 9:54 am
Kathy Martensen
(kmartens):
Approved for
Provost

History

1. Feb 22, 2019 by
Deb Forgacs
(dforgacs)
2. Feb 26, 2020 by
Kelly Ritter
(ritterk)
3. May 11, 2021 by
Amy Elli (amyelli)

Major (ex. Special Education)

This proposal is
for a:
Revision

Administration Details

Official Program Name	Computer Science + Astronomy, BSLAS
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Astronomy
Sponsor Name	Leslie Looney ~~Tony Wong~~
Sponsor Email	lwl@illinois.edu ~~wongt@illinois.edu~~

College Contact   Stephen R. Downie - BEM ~~Kelly Ritter~~   College Contact Email

    sdownie@illinois.edu ~~ritterk@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.*

Stephen Herzog

Does this program have inter-departmental administration?

Yes

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)

Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

College   Grainger College of Engineering

Department   Computer Science

Is there an additional department involved in governance?

No

Proposal Title

Effective Catalog Term   Fall 2022

Provide a brief, concise description (not justification) of your proposal.

   Administrative approval to revise the BSLAS in Computer Science + Astronomy

   Curricula update to the Computer Science + Astronomy, BSLAS

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

> The Computer Science Department renumbered two courses that are in the curricula without any change to the content effective Fall 2022.
> The courses are CS 241:System Programming – renumbered to CS 341.
> CS 240:Introduction to Computer Systems – renumbered to CS 340.
> Updating course options for the curricula.

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 the program include other courses/subjects impacted by the creation/revision of this program?

> No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

> N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?

> No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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.

General education: Students must complete the Campus General Education requirements including the campus general education language requirement.

Minimum required major and supporting course work: Normally equates to 68-71 hours. Twelve hours of 300- and 400-level in the major must be taken on this campus.

A Major Plan of Study form must be completed and submitted to the LAS Student Affairs office by the beginning of the fifth semester (60-75 hours). Please see the Computer Science advisor as well as the Astronomy advisor.

Minimum hours required for graduation: 120 hours.

Course List

Code	Title	Hours
Required Computer Science Coursework		
CS 100	Freshman Orientation (recommended; CS 100 is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.)	1
CS 124	Introduction to Computer Science I	3
CS 128	Introduction to Computer Science II	3
CS 173	Discrete Structures	3
CS 225	Data Structures	4
CS 222	Software Design Lab	1
Choose one of the following combinations		8-11
CS 233	Computer Architecture	
& CS 341	and System Programming	
OR		
CS 240	Course CS 240 Not Found	
CS 340	Introduction to Computer Systems	
& two CS courses at the 400 level above CS 403, excluding CS 421 and CS 491		
Choose one of the following:		3
STAT 200	Statistical Analysis	
STAT 212	Biostatistics	
CS 361	Probability & Statistics for Computer Science	
CS 374	Introduction to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3
Mathematics (may also fulfill the General Education Quantitative Reasoning I and II requirements)		
MATH 221	Calculus I	4-5
or MATH 220	Calculus	
MATH 225	Introductory Matrix Theory	2 or 3
or MATH 257	Linear Algebra with Computational Applications	
MATH 231	Calculus II	3
Required Astronomy Coursework - Minimum of 27 Hours		
Physics, Mathematics, and Astronomy Foundations		15
PHYS 211	University Physics: Mechanics	4

Code	Title	Hours
PHYS 212	University Physics: Elec & Mag	4
MATH 241	Calculus III	4
ASTR 210	Introduction to Astrophysics	3
Advanced Astronomy Courses (Minimum 12 total advanced ASTR hours required)		12-13
ASTR 310	Computing in Astronomy	3
Select 2 courses from the following list:		6-7
ASTR 404	Stellar Astrophysics	
ASTR 405	Planetary Systems	
ASTR 406	Galaxies and the Universe	
ASTR 414	Astronomical Techniques	
Additional ASTR course(s) at the 300 level or higher		2-3

~~1~~

~~CS 100%7CCode is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.~~

Corresponding Degree	BSLAS Bachelor of Science in Liberal Arts and Sciences

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?
  120

CIP Code	110199 - Computer and Information Sciences, Other.

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	Fall 2022 ~~2021~~

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.

~~N/A~~

Describe how critical academic functions such as admissions and student advising are managed.

~~N/A~~

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact to unit.

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?

~~No financial impact is anticipated.~~

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

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?
                    No

Technology

Will the program need additional technology beyond what is currently
available for the unit?
                    No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result
in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty,
students, and instructional resources? Please attach any letters of support/acknowledgement from faculty,
students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size,
teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job
placement and/or admission to advanced studies.
                    No impact to unit.

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.
                    Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BSLAS: Comp Sci & Astr-UIUC
Program Code:	10KV5349BSLA

Minor Code	Conc Code	Degree Code	Major Code
5349		BSLAS	

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
Effective Date:	
Attached Document Justification for this request	
Program Reviewer Comments	**Kathy Martensen (kmartens) (01/27/22 9:53 am):** Administrative approval: No change to total hours required; does not restrict student choice.

Date Submitted: 01/18/22 4:07 pm

Viewing: **10KV5350BSLA : Computer Science + Chemistry, BSLAS**

Last approved: 05/11/21 3:23 pm

Last edit: 01/27/22 3:25 pm

Changes proposed by: Beth McKown

Computer Science + Chemistry, BSLAS

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. **U Program Review**
2. **1413 Head**
3. **1434 Head**
4. **KP Committee Chair**
5. **KP Dean**
6. **SOCS Head**
7. **KV Dean**
8. **University Librarian**
9. **Provost**
10. **Senate EPC**
11. Senate
12. U Senate Conf
13. Board of Trustees
14. IBHE
15. HLC
16. DMI

Approval Path

1. 01/19/22 4:25 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 01/19/22 4:26 pm
   Scott Silverman
   (sks): Approved
   for 1413 Head
3. 01/19/22 7:25 pm
   Elsa Gunter
   (egunter):
   Approved for 1434
   Head
4. 01/21/22 2:07 pm
   Brooke Newell
   (bsnewell):
   Approved for KP
   Committee Chair
5. 01/21/22 2:11 pm
   Candy Deaville

6. 01/21/22 2:12 pm Karla Denzler (denzler): Approved for SOCS Head
7. 01/26/22 8:49 am Stephen Downie (sdownie): Approved for KV Dean
8. 01/26/22 8:54 am John Wilkin (jpwilkin): Approved for University Librarian
9. 01/27/22 9:55 am Kathy Martensen (kmartens): Approved for Provost

(candyd): Approved for KP Dean

History

1. Feb 22, 2019 by Deb Forgacs (dforgacs)
2. Aug 26, 2019 by Amy Elli (amyelli)
3. May 11, 2021 by Amy Elli (amyelli)

Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

Official Program Name	Computer Science + Chemistry, BSLAS
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Chemistry

| Sponsor Name | Scott Silverman, Professor Dept of Chemistry |
| Sponsor Email | sks@illinois.edu |

| College Contact | Stephen Downie - BEM ~~Kelly Ritter~~ | College Contact Email |

sdownie@illinois.edu ~~ritterk@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.*

Stephen Herzog

Does this program have inter-departmental administration?

Yes

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)

Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

| College | Grainger College of Engineering |

| Department | Computer Science |

Is there an additional department involved in governance?

No

Proposal Title

| Effective Catalog Term | Fall 2022 |

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BSLAS in CS + Chemistry.

Curricula update to the Computer Science + Chemistry, BSLAS

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

> The Computer Science Department renumbered two courses that are in curricula without any change to the content effective Fall 2022.
> The courses are CS 241:System Programming – renumbered to CS 341.
> CS 240:Introduction to Computer Systems – renumbered to CS 340.
> Updating course options for the curricula.

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 the program include other courses/subjects impacted by the creation/revision of this program?

> No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

> N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?

> No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

General education: Students must complete the Campus General Education requirements including the campus general education language requirement.

Minimum required major and supporting course work: Normally equates to 66 hours. Twelve hours of 300- and 400-level in the major must be taken on this campus.

Minimum hours required for graduation: 120 hours.

Course List

Code	Title	Hours
Required Computer Science Coursework		
CS 100	Freshman Orientation (recommended; CS 100 is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.)	1
CS 124	Introduction to Computer Science I	3
CS 128	Introduction to Computer Science II	3
CS 173	Discrete Structures	3
CS 225	Data Structures	4
CS 222	Software Design Lab	1
Choose one of the following combinations		8-11
CS 233	Computer Architecture	
& CS 341	and System Programming	
OR		
CS 240	Course CS 240 Not Found	
CS 340	Introduction to Computer Systems	
& two CS courses at the 400 level above CS 403, excluding CS 421 and CS 491		
Choose one of the following:		3
STAT 200	Statistical Analysis	
STAT 212	Biostatistics	
CS 361	Probability & Statistics for Computer Science	
CS 374	Introduction to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3
Mathematics (may also fulfill the General Education Quantitative Reasoning I and II requirements)		
MATH 221	Calculus I	4-5
or MATH 220	Calculus	
MATH 225	Introductory Matrix Theory	2 or 3
or MATH 257	Linear Algebra with Computational Applications	
MATH 231	Calculus II	3
Required Chemistry Coursework - Minimum of 24 hours		
Foundation Courses- 12 hours required		
Select one of the following (General or Accelerated Chemistry):		8

Code	Title	Hours
CHEM 102	General Chemistry I	
& CHEM 103	and General Chemistry Lab I	
& CHEM 104	and General Chemistry II	
& CHEM 105	and General Chemistry Lab II	
or		
CHEM 202	Accelerated Chemistry I	
& CHEM 203	and Accelerated Chemistry Lab I	
& CHEM 204	and Accelerated Chemistry II	
CHEM 232	Elementary Organic Chemistry I	4
or CHEM 236	Fundamental Organic Chem I	
Advanced Chemistry Courses- 12 hours		
CHEM 440	Physical Chemistry Principles	4
or CHEM 442	Physical Chemistry I	

~~In consultation with an advisor, choose 8 hours of 300- or 400- level chemistry courses 2~~ ~~8~~

In consultation with an advisor, choose 8 hours of 300- or 400- level chemistry courses (The following courses may not be used to complete the advanced chemistry hours: CHEM 315, CHEM 397, CHEM 445, CHEM 447, CHEM 492, CHEM 494, CHEM 496, CHEM 497 and CHEM 499; and any course in another unit, such as any BIOC or MCB course.) 8

~~1~~

~~CS 100%7CCode is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.~~

~~2~~

~~The following courses may not be used to complete the advanced chemistry hours: CHEM 315%7CCode, CHEM 397%7CCode, CHEM 445%7CCode, CHEM 447%7CCode, CHEM 492%7CCode, CHEM 494%7CCode, CHEM 496%7CCode, CHEM 497%7CCode and CHEM 499%7CCode; and any course in another unit, such as any BIOC or MCB course.~~

Corresponding Degree	BSLAS Bachelor of Science in Liberal Arts and Sciences

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?
  120

CIP Code	110199 - Computer and Information Sciences, Other.

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   Fall 2022 2021
Admissions Term

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.
                        N/A

Describe how critical academic functions such as admissions and student advising are managed.
                        N/A

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

  No impact to unit.

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   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?
N/A

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

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?
No

Technology

Will the program need additional technology beyond what is currently
available for the unit?
No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result
in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty,
students, and instructional resources? Please attach any letters of support/acknowledgement from faculty,
students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact to unit.

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.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BSLAS: Comp Sci & Chem-UIUC
Program Code:	10KV5350BSLA

Minor Code	Conc Code	Degree Code	Major Code
5350		BSLAS	

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer   **Kathy Martensen (kmartens) (01/27/22 9:54 am):** Administrative approval: Does
Comments   not change total hours required; doesn't restrict student choice.

Date Submitted: 01/19/22 9:55 am

Viewing: **10KV5351BSLA : Computer Science + Linguistics, BSLAS**

Last approved: 05/12/21 2:54 pm

Last edit: 01/27/22 3:27 pm

Changes proposed by: Beth McKown

Computer Science + Linguistics, BSLAS

Catalog Pages
Using this
Program

Proposal Type:

Approval Path

1. 01/19/22 4:25 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 01/19/22 6:40 pm
   James Hye Suk
   Yoon (jyoon):
   Approved for 1864
   Head
3. 01/19/22 7:28 pm
   Elsa Gunter
   (egunter):
   Approved for 1434
   Head
4. 01/21/22 2:08 pm
   Brooke Newell
   (bsnewell):
   Approved for KP
   Committee Chair
5. 01/21/22 2:11 pm

Candy Deaville (candyd): Approved for KP Dean
6. 01/21/22 2:12 pm Luisa-Elena Delgado (ldelgado): Approved for SLCL Head
7. 01/26/22 8:49 am Stephen Downie (sdownie): Approved for KV Dean
8. 01/26/22 8:54 am John Wilkin (jpwilkin): Approved for University Librarian
9. 01/27/22 9:57 am Kathy Martensen (kmartens): Approved for Provost

History

1. Feb 22, 2019 by Deb Forgacs (dforgacs)
2. May 12, 2021 by Amy Elli (amyelli)

Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

Official Program Name	Computer Science + Linguistics, BSLAS
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Linguistics

Sponsor Name	James Yoon, Professor and Dept Head
Sponsor Email	jyoon@illinois.edu

College Contact	Stephen R. Downie - BEM Kelly Ritter	College Contact Email

sdownie@illinois.edu ritterk@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.*

Stephen Herzog

Does this program have inter-departmental administration?

Yes

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)

Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

College	Grainger College of Engineering

Department	Computer Science

Is there an additional department involved in governance?

No

Proposal Title

Effective Catalog Term	Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BSLAS in CS + Linguistics.

Curricula update to Computer Science + Linguistics, BSLAS

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

> The department of Computer Science renumbered two courses that are in curricula without any change to the content effective Fall 2022. The courses are
> CS 241: System Programming - renumbered to CS 341.
> CS 240:Introduction to Computer Systems - renumbered to CS 340.
> Updating course options.

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 the program include other courses/subjects impacted by the creation/revision of this program?

> No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

> N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?

> No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

General education: Students must complete the Campus General Education requirements including the campus general education language requirement.

Minimum required major and supporting course work: Normally equates to 66 hours. Twelve hours of 300- and 400-level Anthropology courses must be taken on this campus.

Minimum hours required for graduation: 120 hours

Course List

Code	Title	Hours
Required Computer Science Coursework		
CS 100	Freshman Orientation (recommended; CS 100 is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.)	1
CS 124	Introduction to Computer Science I	3
CS 128	Introduction to Computer Science II	3
CS 173	Discrete Structures	3
CS 225	Data Structures	4
CS 222	Software Design Lab	1
Choose one of the following combinations		8-11
CS 233	Computer Architecture	
& CS 341	and System Programming	
OR		
CS 240	Course CS 240 Not Found	
CS 340	Introduction to Computer Systems	
& two CS courses at the 400 level above CS 403, excluding CS 421 and CS 491. These two courses must be distinct from all other courses used to fulfill program requirements or options.		
Choose one of the following:		
STAT 200	Statistical Analysis	
STAT 212	Biostatistics	
CS 361	Probability & Statistics for Computer Science	
CS 374	Introduction to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3
Mathematics (may also fulfill the General Education Quantitative Reasoning I and II requirements)		
MATH 221	Calculus I	4-5
or MATH 220	Calculus	
MATH 225	Introductory Matrix Theory	2 or 3
or MATH 257	Linear Algebra with Computational Applications	
MATH 231	Calculus II	3
Required Linguistics Coursework - Minimum of 24 hours		
LING 100	Intro to Language Science	3
LING 301	Elements of Syntax	3

Code	Title	Hours
LING 307	Elmnts Semantics & Pragmatics	3
LING 406	Introduction to Computational Linguistics	3
Advanced Coursework- select at least three of the following		9
TRST 415	Machine Translation: History and Applications	
LING 490	Special Topics in Linguistics (Check with advisor for appropriate topics. May be repeated to meet this requirement if topics vary)	
CS 446	Machine Learning	
Linguistics Breadth Course		3
Any 200-level or higher Linguistics Course (with the exception of ESL and language courses)		

~~1~~

~~CS 100%7CCode is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.~~

Corresponding Degree	BSLAS Bachelor of Science in Liberal Arts and Sciences

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?
  120

CIP Code	110199 - Computer and Information Sciences, Other.

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	Fall 2022 ~~2021~~

Admissions Term

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.
N/A

Describe how critical academic functions such as admissions and student advising are managed.
N/A

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact to unit.

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?
no change in support for the major.

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

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact to unit.

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.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BSLAS: Comp Sci & Ling-UIUC
Program Code:	10KV5351BSLA

Minor Code	Conc Code	Degree Code	BSLAS	Major Code
5351				

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
Effective Date:	
Attached Document Justification for this request	
Program Reviewer Comments	**Kathy Martensen (kmartens) (01/27/22 9:56 am):** Administrative approval: Does not change total hours required; doesn't restrict student choice.

Program Change Request

Date Submitted: 01/19/22 10:11 am

Viewing: **10KV5667BSLA : Computer Science & Economics, BSLAS**

Last approved: 05/18/21 4:33 pm

Last edit: 01/27/22 3:28 pm

Changes proposed by: Beth McKown

Catalog Pages
Using this
Program

[Computer Science + Economics, BSLAS](#)

Proposal Type:

In Workflow

1. **U Program Review**
2. **1405 Head**
3. **1434 Head**
4. **KP Committee Chair**
5. **KP Dean**
6. **KV Dean**
7. **University Librarian**
8. **Provost**
9. **Senate EPC**
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DMI

Approval Path

1. 01/19/22 4:26 pm
Deb Forgacs
(dforgacs):
Approved for U
Program Review
2. 01/20/22 9:54 am
Lauria Grift
(lagrift): Approved
for 1405 Head
3. 01/20/22 10:20
am
Elsa Gunter
(egunter):
Approved for 1434
Head
4. 01/21/22 2:08 pm
Brooke Newell
(bsnewell):
Approved for KP
Committee Chair
5. 01/21/22 2:11 pm
Candy Deaville

History

1. Feb 22, 2019 by
Deb Forgacs
(dforgacs)
2. May 18, 2021 by
Amy Elli (amyelli)

Major (ex. Special Education)

This proposal is
for a:
Revision

Administration Details

Official Program Name	Computer Science & Economics, BSLAS
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Economics
Sponsor Name	George Deltas, Professor and Head ~~Jamie Thomas-Ward, Associate Director for UG Study, Economics~~
Sponsor Email	deltas@illinois.edu ~~thomas99@illinois.edu~~
College Contact	Stephen R. Downie - BEM ~~Kelly Ritter~~
College Contact Email	

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.*

Stephen Herzog

Does this program have inter-departmental administration?

Yes

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)

Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

College   Grainger College of Engineering

Department   Computer Science

Is there an additional department involved in governance?

No

Proposal Title

Effective Catalog   Fall 2022
Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BSLAS in CS + Economics.

Curricula update to Computer Science + Economics, BSLAS

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

> The department of Computer Science renumbered two courses that are in curricula without any change to content effective Fall 2022. The courses are:
> CS 241:System Programming - renumbered to CS 341.
> CS240:Introduction to Computer Systems - renumbered to CS 340.
> Updating course options.

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 the program include other courses/subjects impacted by the creation/revision of this program?

> No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

> N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?

> No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

General education: Students must complete the Campus General Education requirements including the campus general education language requirement.

Minimum required major and supporting course work: Normally equates to 66 hours. Twelve hours of 300- and 400-level in the major must be taken on this campus.

Minimum hours required for graduation: 120 hours.

Course List

Code	Title	Hours
Required Computer Science Courses:		
CS 100	Freshman Orientation (recommended; CS 100 is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.)	1
CS 124	Introduction to Computer Science I	3
CS 128	Introduction to Computer Science II	3
CS 173	Discrete Structures	3
CS 225	Data Structures	4
CS 222	Software Design Lab	1
Choose one of the following combinations		8-11
CS 233	Computer Architecture	
& CS 341	and System Programming	
OR		
CS 240	Course CS 240 Not Found	
CS 340	Introduction to Computer Systems	
& two CS courses at the 400 level above CS 403, excluding CS 421 and CS 491. These two courses must be distinct from all other courses used to fulfill program requirements or options.		
Choose one of the following:		3
ECON 202	Economic Statistics I	
STAT 200	Statistical Analysis	
STAT 212	Biostatistics	
CS 361	Probability & Statistics for Computer Science	
CS 374	Introduction to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3
Mathematics (may also fulfill the General Education Quantitative Reasoning I and II requirements):		
MATH 220	Calculus	4-5
or MATH 221	Calculus I	
MATH 225	Introductory Matrix Theory	2 or 3
or MATH 257	Linear Algebra with Computational Applications	
MATH 231	Calculus II	3
Required Economics Coursework -- minimum 24 hours		
ECON 102	Microeconomic Principles	3

Code	Title	Hours
ECON 103	Macroeconomic Principles	3
ECON 203	Economic Statistics II	3
ECON 302	Inter Microeconomic Theory	3
Four 400-level courses in Economics selected from an approval list of computation-focused courses		12
Total Hours		66-71

~~1~~

~~CS 100 is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.~~

Corresponding Degree	BSLAS Bachelor of Science in Liberal Arts and Sciences

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?
  120

CIP Code	110199 - Computer and Information Sciences, Other.

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	Fall 2022 ~~2021~~

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.

N/A

Describe how critical academic functions such as admissions and student advising are managed.

N/A

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact to unit.

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?

N/A

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

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact to unit.

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.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BSLAS: Comp Sci & Econ - UIUC
Program Code:	10KV5667BSLA

Minor Code	Conc Code	Degree Code	BSLAS	Major Code
5667				

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
Effective Date:	
Attached Document Justification for this request	
Program Reviewer Comments	**Kathy Martensen (kmartens) (01/27/22 9:57 am):** Administrative approval: Does not change total hours required; doesn't restrict student choice.

Program Change Request

Date Submitted: 01/19/22 4:24 pm

Viewing: **10KV5679BSLA : Computer Science + Philosophy, BSLAS**

Last approved: 05/18/21 4:34 pm

Last edit: 01/27/22 3:29 pm

Changes proposed by: Beth McKown

Catalog Pages
Using this
Program

Computer Science + Philosophy, BSLAS

Proposal Type:

Approval Path

1. 01/21/22 11:41 am
   Deb Forgacs (dforgacs): Approved for U Program Review
2. 01/21/22 11:49 am
   Kelly Ritter (ritterk): Approved for 1715 Head
3. 01/21/22 11:53 am
   Elsa Gunter (egunter): Approved for 1434 Head
4. 01/21/22 2:10 pm
   Brooke Newell (bsnewell): Approved for KP

Committee Chair

5. 01/21/22 2:11 pm
   Candy Deaville
   (candyd):
   Approved for KP
   Dean
6. 01/26/22 8:44 am
   Stephen Downie
   (sdownie):
   Approved for KV
   Dean
7. 01/26/22 8:54 am
   John Wilkin
   (jpwilkin):
   Approved for
   University
   Librarian
8. 01/27/22 10:00
   am
   Kathy Martensen
   (kmartens):
   Approved for
   Provost

History

1. Mar 22, 2019 by
   Deb Forgacs
   (dforgacs)
2. Feb 26, 2020 by
   Kelly Ritter
   (ritterk)
3. May 18, 2021 by
   Amy Elli (amyelli)

Major (ex. Special Education)

This proposal is
for a:
   Revision

Administration Details

Official Program Name	Computer Science + Philosophy, BSLAS
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Philosophy

Sponsor Name	Kelly Ritter, Interim Department Head ~~Kirk Sanders~~
Sponsor Email	ritterk@illinois.edu ~~ksanders@illinois.edu~~

College Contact	Stephen R. Downie - BEM ~~Kelly Ritter~~	College Contact Email	

sdownie@illinois.edu ~~ritterk@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.*

Stephen Herzog

Does this program have inter-departmental administration?

Yes

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)

Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

College	Grainger College of Engineering
Department	Computer Science

Is there an additional department involved in governance?

No

Proposal Title

Effective Catalog Term	Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BSLAS in CS + Philosophy.

Curricula update to Computer Science + Philosophy, BSLAS

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

> The department of Computer Science renumbered two courses that are in curricula without any change to the content effective Fall 2022. The courses are:
> CS 241:System Programming - renumbered to CS 341.
> CS 240:Introduction to Computer Systems - renumbered to CS 340.
> Updating course options.

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 the program include other courses/subjects impacted by the creation/revision of this program?

> No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

> N/A ~~The proposed revisions do not affect any changes in existing assessment plans or metrics.~~

Is the career/profession for graduates of this program regulated by the State of Illinois?

> No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   Attach a side-by-side comparison with the existing program
AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

General education: Students must complete the Campus General Education requirements including the campus general education language requirement.

Minimum required major and supporting course work: Normally equates to 71-73 hours. Twelve hours of 300- and 400-level Philosophy courses must be taken on this campus.

Minimum hours required for graduation: 120 hours

Course List

Code	Title	Hours
Required Computer Science Courses		
CS 100	Freshman Orientation (recommended; CS 100 is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.)	1
CS 124	Introduction to Computer Science I	3
CS 128	Introduction to Computer Science II	3
CS 173	Discrete Structures	3
CS 225	Data Structures	4
CS 222	Software Design Lab	1
Choose one of the following combinations		8-11
CS 233	Computer Architecture	
& CS 341	and System Programming	
OR		
CS 240	Course CS 240 Not Found	
CS 340	Introduction to Computer Systems	
& two CS courses at the 400 level above CS 403, excluding CS 421 and CS 491. These two courses must be distinct from all other courses used to fulfill program requirements or options.		
Choose one of the following:		
STAT 200	Statistical Analysis	
STAT 212	Biostatistics	
CS 361	Probability & Statistics for Computer Science	
CS 374	Introduction to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3
Mathematics (may also fulfill the General Education Quantitative Reasoning I and II requirements)		
MATH 220	Calculus	4-5
or MATH 221	Calculus I	

Code	Title	Hours
MATH 225	Introductory Matrix Theory	2 or 3
or MATH 257	Linear Algebra with Computational Applications	
MATH 231	Calculus II	3
Required Philosophy coursework		
PHIL 222	Philosophical Foundations of Computer Science	3
PHIL 223	Minds & Machines	3
PHIL 421	Ethical Theories	3
Choose one of the following:		3
PHIL 426	Metaphysics	
PHIL 430	Theory of Knowledge	
Choose one of the following:		3
PHIL 425	Philosophy of Mind	
PHIL 438	Philosophy of Language	
PHIL 439	Philosophy of Mathematics	
PHIL 477	Philosophy of Psychology	
PHIL 454	Advanced Symbolic Logic	3
PHIL 499	Capstone Seminar	3
In consultation with an advisor, choose at least 9 additional hours of coursework in philosophy, with at least 6 of those hours being at the 300- or 400-level.		9
Total Hours		68-74

1

~~CS 100 is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.~~

Corresponding Degree	BSLAS Bachelor of Science in Liberal Arts and Sciences

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?
   120

CIP Code	110199 - Computer and Information Sciences, Other.

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
Fall 2022 ~~2021~~

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.
          N/A

Describe how critical academic functions such as admissions and student advising are managed.
          N/A

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

  No impact to unit.

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?

N/A ~~No new financial resources are required for implementation of the proposed 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

Resource Implications

Facilities

Will the program require new or additional facilities or significant
improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently
available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result
in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty,
students, and instructional resources? Please attach any letters of support/acknowledgement from faculty,
students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact to unit.

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.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BSLAS: Comp Sci & Phil - UIUC
Program Code:	10KV5679BSLA

Minor Code	Conc Code	Degree Code	Major Code
5679		BSLAS	

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer   **Kathy Martensen (kmartens) (01/27/22 9:59 am):** Administrative approval: Does
Comments   not change total hours required; doesn't restrict student choice.

Program Change Request

Date Submitted: 01/19/22 8:52 am

Viewing: **1729 : Teacher Education Minor in Mathematics, Grades 9-12**

Last approved: 04/06/19 3:26 pm

Last edit: 01/27/22 3:30 pm

Changes proposed by: Beth McKown

Catalog Pages Using this Program

[Teacher Education Minor in Mathematics, Grades 9-12](#)

Proposal Type:

In Workflow

1. **U Program Review**
2. **1257 Head**
3. **KV 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. 01/19/22 4:26 pm Deb Forgacs (dforgacs): Approved for U Program Review
2. 01/23/22 6:11 pm Vera Hur (verahur): Approved for 1257 Head
3. 01/26/22 8:50 am Stephen Downie (sdownie): Approved for KV Dean
4. 01/26/22 8:54 am John Wilkin (jpwilkin): Approved for University Librarian
5. 01/26/22 9:12 am Brenda Clevenger (bmclvngr): Approved for

COTE Programs

6. 01/27/22 10:02
   am
   Kathy Martensen
   (kmartens):
   Approved for
   Provost

History

1. Apr 6, 2019 by
   Deb Forgacs
   (dforgacs)

Minor (ex. European Union Studies)

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

Administration Details

Official Program Name	Teacher Education Minor in Mathematics, Grades 9-12
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Mathematics
Sponsor Name	[Vera Hur, Professor and Head](#)
Sponsor Email	[verahur@illinois.edu](#)
College Contact	[Stephen R. Downie - BEM](#)
College Contact Email	[sdownie@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.*
   [Randy McCarthy](#)

Does this program have inter-departmental administration?
   No

Proposal Title

Effective Catalog Term	Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the Teacher Education Minor in Mathematics, Grades 9-12

MATH 125 deactivated course effective Fall 2022

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?
MATH 125 has been deactivated as a course effective Fall 2022. There is not a replacement course option at this time. Removing from course options.

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 the program include other courses/subjects impacted by the creation/revision of this program?
No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).
No impact to unit.

Is the career/profession for graduates of this program regulated by the State of Illinois?
No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

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 clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponoring 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

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs	Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

Course List

Code	Title	Hours
To obtain an endorsement to teach mathematics in grades 9-12, students must also pass the Illinois Certification Testing System Test in Mathematics. Information and practice exams are available at www.icts.nesinc.com.		
MATH 220	Calculus	5
MATH 231	Calculus II (or equivalent)	3
MATH 241	Calculus III	4
Methods courses in the teaching of mathematics		3
CI 434	Teaching Secondary Mathematics	
A course covering topics in non-Euclidean geometry		3
MATH 402	Non Euclidean Geometry	
or MATH 403	Euclidean Geometry	
At least 7 hours of work from at least two of the following areas:		7
Computer Science (one course only)		
CS 101	Intro Computing: Engrg & Sci	
CS 105	Intro Computing: Non-Tech	
Linear Algebra		
~~MATH 125~~	~~Course MATH 125 Not Found~~	
MATH 225	Introductory Matrix Theory	
MATH 415	Applied Linear Algebra	
MATH 416	Abstract Linear Algebra	
Modern Algebra		
MATH 413	Intro to Combinatorics	
MATH 417	Intro to Abstract Algebra	

Code	Title	Hours
MATH 453	Number Theory	
Applied Mathematics		
MATH 347	Fundamental Mathematics	
or MATH 348	Fundamental Mathematics-ACP	
MATH 285	Intro Differential Equations	
MATH 441	Differential Equations	
MATH 444	Elementary Real Analysis	
MATH 446	Applied Complex Variables	
Probability-Statistics		
STAT 400/MATH 463	Statistics and Probability I	
History of Calculus		
MATH 406	History of Calculus	

Program Features

Academic Level   Undergraduate

Is this minor?
   A Comprehensive study in a single discipline

Is This a Teacher Certification Program?
                    Yes

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.

   No impact to unit.

Are there any prerequisites for the proposed minor?
                    No

Describe how this revision will impact enrollment and degrees awarded.

No impact to unit.

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

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

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.
Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.082
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	Teacher Education in Mathematics
Program Code:	1729

Minor Code	1729	Conc Code		Degree Code		Major Code	

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval	

Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer **Kathy Martensen (kmartens) (01/27/22 10:00 am):** Administrative approval:
Comments Does not change total hours required; doesn't restrict student choice.

Key: 232