EP.22.085
March 7, 2022

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

EP.22.085   Report of Administrative Approvals through February 14, 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 February 14, 2022. Additional information for each approval is attached.

A. **Graduate Programs**
  1) **MS in Health Technology** (key 584) – revises the electives list as detailed in the attachment. There is no change in the total hours required for the degree.
  2) **MS in Business Analytics** (key 961) – update to the list of Core Courses and Analytics Electives. There is no change to the total hours required for the degree.
  3) **Advanced Analytics in Industrial & Enterprise Systems Engineering Concentration** (key 780) – revise the list of Advanced Analytics Core courses and the list of Advanced Analytics Secondary courses. There is no change to the total hours required for the concentration.

B. **Undergraduate Programs**
  1) **BS in Accountancy** (key 98) – removes one required course and updates the associated footnote as detailed in the attachment. There is no change in the total hours required for the minor.
  2) **BS in Finance** (key 103) – updates the major electives course list as detailed in the attachment. There is no change in the total hours required for the degree.
  3) **BSLAS in Computer Science & Anthropology** (key 281) – 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.
  4) **BSLAS in Computer Science & Geography & Geographic Information Science** (key 285) – revisions to the requirements of the Computer Science component and to update the rubric from GEOG to GGIS in the GGIS component as detailed in the attachment. There is no change in total hours required for the degree.
  5) **BS in Sustainable Design** (key 614) – revisions for clarity to the listings for the General Education requirements and the Summary of Credits for the Bachelor of Science in Sustainable Design; updates to the Major Requirements and Major Electives lists. There is no change in total hours required for the degree.

Program Change Request

Date Submitted: 01/25/22 1:56 pm

Viewing: **1PKS5875MS : Health Technology, MS**

Last approved: 05/19/20 3:09 pm

Last edit: 02/04/22 9:25 am

Changes proposed by: Nicole Holtzclaw-Stone

Catalog Pages
Using this
Program

Health Technology, MS

Proposal Type:

In Workflow

1. **U Program Review**
2. **1581 Committee Chair**
3. **1581 Head**
4. **KY Committee Chair**
5. **KY Dean**
6. **University Librarian**
7. **Grad_College**
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 3:24 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 01/26/22 9:37 am
   Kristi Carlson
   (carlso1):
   Approved for 1581
   Committee Chair
3. 01/26/22 4:42 pm
   Kim Graber
   (kgraber):
   Approved for 1581
   Head
4. 01/26/22 6:08 pm
   Reggie Alston
   (alston): Approved
   for KY Committee
   Chair
5. 01/26/22 6:30 pm

Reggie Alston (alston): Approved for KY Dean

6. 01/26/22 6:41 pm John Wilkin (jpwilkin): Approved for University Librarian

7. 01/27/22 1:49 pm Allison McKinney (agrindly): Approved for Grad_College

8. 02/02/22 9:00 am Kathy Martensen (kmartens): Approved for Provost

History

1. Jan 3, 2020 by Deb Forgacs (dforgacs)
2. Jan 6, 2020 by Kathy Martensen (kmartens)
3. Jan 13, 2020 by Deb Forgacs (dforgacs)
4. Jan 16, 2020 by Deb Forgacs (dforgacs)
5. May 19, 2020 by Deb Forgacs (dforgacs)

Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

Official Program Name   Health Technology, MS

Sponsor College	Applied Health Sciences
Sponsor Department	Kinesiology and Community Health
Sponsor Name	Wendy A. Rogers, Director, Health Technology Graduate & Continuing Education Program
Sponsor Email	wendyr@illinois.edu
College Contact	Associate Dean Reginald Alston
College Contact Email	alston@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 Health Technology.

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?
Update to help the students have broader choices of electives.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does 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 Objectives:
1. Comprehension of varying user needs (age, culture, goals, experience, (dis)abilities)
2. Knowledge of human factors tools and techniques
3. Familiarity with research methods, theory, and data analytics
4. Understanding of hardware components (sensors, wearables, devices)
5. Facility with software (rapid prototyping, simulation tools)
6. Awareness of regulations, policies, standards (e.g. HIPAA, FDA)
7. Appreciation of ethical issues in design and implementation
8. Communication skills (written and oral)

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   MS in Health Technology Course Requirements revision to Program of Study Jan 2022.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.

Statement for Programs of Study Catalog

Course List

Code	Title	Hours
~~Core Requirements:~~		
Total Core Required Hours:		24
~~Health Technology Elective List~~		
~~12 hours chosen from:~~		
~~BIOE 414~~	~~Biomedical Instrumentation~~	~~3~~
~~BIOE 415~~	~~Biomedical Instrumentation Lab~~	~~2~~
~~BIOE 416~~	~~Biosensors~~	~~3~~
~~BIOE 507~~	~~Advanced Bioinstrumentation~~	~~4~~
~~BIOE 598~~	~~Special Topics (JI: Finite Element Methods in Biomed)~~	~~1 to 4~~
~~BIOE 598~~	~~Special Topics (NIE: Surgical Technologies)~~	~~1 to 4~~
~~CHLH 421~~	~~Health Data Analysis~~	~~3 or 4~~
~~CHLH 470~~	~~Technology, Health, and Aging~~	~~3 or 4~~
~~CHLH 494~~	~~Special Topics~~	~~1 to 4~~
~~CS 440~~	~~Artificial Intelligence~~	~~3 or 4~~
~~CS 465~~	~~User Interface Design~~	~~4~~
~~CS 565~~	~~Human-Computer Interaction~~	~~4~~
~~KIN 474~~	~~Tech-Driven Health Intervention~~	~~3 or 4~~
~~ECE 422~~	~~Computer Security I~~	~~4~~
~~ECE 437~~	~~Sensors and Instrumentation~~	~~3~~
~~ECE 470~~	~~Introduction to Robotics~~	~~4~~
~~ECE 498~~	~~Special Topics in ECE~~	~~0 to 4~~
~~IE 445~~	~~Human Performance and Cognition in Context~~	~~3 or 4~~
~~IE 528~~	~~Course IE 528 Not Found~~	
~~IE 529~~	~~Stats of Big Data & Clustering~~	~~4~~
~~IE 531~~	~~Algorithms for Data Analytics~~	~~4~~
~~IE 532~~	~~Analysis of Network Data~~	~~4~~
~~IE 533~~	~~Big Graphs and Social Networks~~	~~4~~
~~IE 534~~	~~Deep Learning~~	~~4~~
~~IE 546~~	~~Human Factors in Health Care Engineering Systems~~	~~4~~
~~ME 481~~	~~Whole-Body Musculoskel Biomech~~	~~3 or 4~~
~~RST 429~~	~~Contemporary Issues in Recreation, Sport and Tourism~~	~~4~~
~~RST 441~~	~~Community Planning and Engagement~~	~~3 or 4~~
~~RST 501~~	~~Concepts & Applications in Recreation, Sport & Tourism~~	~~4~~
~~RST 502~~	~~Critical Issues Recreation Mgt~~	~~4~~
~~RST 520~~	~~Critical Issues Sport Mgt~~	~~4~~
~~RST 530~~	~~Critical Issues Tourism Mgt~~	~~4~~
~~RST 586~~	~~Health and Leisure in Recreation, Sport and Tourism~~	~~4~~
~~SHS 473~~	~~Augmentative & Alt Comm~~	~~2 to 4~~
~~SHS 553~~	~~Hearing Aids and Amplification~~	~~4~~
~~SHS 555~~	~~Comm Lang Probs Hear Impaired~~	~~4~~
~~SHS 556~~	~~Sens Prosth Devices Hear Loss~~	~~4~~
~~SHS 580~~	~~Cochlear Implants~~	~~4~~
HT 501	Understanding Users of Health Technology	4
HT 502	Human Factors Methods for Health Technology	4
HT 503	Hardware Engineering for Health Technology	4
HT 504	Software Engineering for Health Technology	4

Code	Title	Hours
HT 510	Health Technology Capstone Orientation	1
HT 511	Health Technology Capstone Development	3
HT 512	Health Technology Capstone Implementation	4
Elective Requirement (chosen with advisor approval)		12
Total Required Hours		36

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Minimum Hours Required within the Unit at the 500 level:	8
Minimum 500-level Hours Required Overall:	12
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?
  12 months

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

What is the required GPA?

CIP Code	150701 - Occupational Safety and Health Technology/Technician.

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 2020
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.

this will no impact enrollment or degrees awarded.

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

Yes

If yes, briefly explain what tuition change you will make for this program, e.g, Undergraduate Base Tuition,
or Engineering Differential, or Social Work Online (no dollar amounts necessary)

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.

NA

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Current library resources, including collections and services, are sufficient to address the needs of this program revision.

EP Documentation

EP Control Number	EP.22.085
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name   MS:Health Technology - UIUC

Program Code: 1PKS5875MS

Minor Code	Conc Code	Degree Code	MS	Major Code
5875				

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	**Justin Aronoff (jaronoff) (05/07/21 12:20 am):** The side by side comparison needs to be provided. **Robyn Gobin (rgobin) (05/07/21 9:35 am):** This change to broaden the electives options for students seems appropriate. **Liza Berdychevsky (lizabk) (05/07/21 10:50 am):** The proposed changes in electives looks appropriate. **Reggie Alston (alston) (05/07/21 11:22 am):** Does improve electives means increase the number of required objectives? Under "Admission Requirements", some of the sections have not been answered. Side by side comparison is missing under "Program of Study" section. **Keiko Ishikawa (ishikak) (05/07/21 11:45 am):** I agree with the comments above. Nothing to add. **Reggie Alston (alston) (05/18/21 2:51 pm):** Rollback: Hi Nicole, please address comments. Call me if you have questions. Thanks. **Kathy Martensen (kmartens) (09/13/21 2:19 pm):** Administrative approval: Does not change total hours required; doesn't restrict student choice. **Kathy Martensen (kmartens) (09/15/21 3:12 pm):** Rollback: For Senate Educational Policy Committee review, please clarify: 1) In the side-by-side that's attached, there is a line that says "Elective requirement (8 hours chosen from approved list). We believe this was meant to be changed to 12 hours of electives in alignment with the rest of the proposal but didn't want to assume in case it is actually different, e.g., 12 total hours of electives, 8 from an approved list. 2) Is there a link to the list of approved electives/advisor-approved electives? 3) In the Program of Study itself, one of the lines in the "Other Requirements" table is a minimum of 8 hours at the 500-level within the unit. Please clarify if you do wish to keep this requirement listed, as it is not included in the side-by-side. Thanks! **Kathy Martensen (kmartens) (09/15/21 3:15 pm):** Rollback: See rollback comments from Senate Educational Policy Committee. Please address. Thank you! **Reggie Alston (alston) (09/15/21 9:48 pm):** Rollback: Hi Kim, Please have Wendy and Nicole address the comments from Senate Ed Pol. Let me know if you have questions. Thanks. **Kim Graber (kgraber) (09/17/21 1:08 am):** Rollback: Rolling back as per your request. **Deb Forgacs (dforgacs) (09/27/21 11:27 am):** Re-entered the proposal type, the corresponding program and the CIP code due to system bug 09/27/2021 **Reggie Alston (alston) (10/01/21 11:06 am):** Rollback: Hi Nicole, I noticed that item #3 from Senate Ed Pol was not addressed. Do we need to align the program of study sheet with the side by side chart by stating the following: Minimum 500 level hours (at least 8 must be in the unit) 12 Hours? If no, explain why you wish to keep this requirement listed, as it is not included in the side by side sheet. Call me if it's quicker to clarify. **Kathy Martensen (kmartens) (02/02/22 8:57 am):** Administrative approval: Does not change total hours or restrict student options.

Proposed/new:

MS in Health Technology Course Requirements

Requirements:	Hours
Major Core Requirement	
HT 501 – Understanding Users of Health Technology	4 Hours
HT 502 – Overview of Human Factors Methods for Health	4 Hours
HT 503 – Hardware Engineering for Health Technology	4 Hours
HT 504 – Software Engineering for Health Technology	4 Hours
HT 510 – Capstone Project Orientation	1 Hour
HT 511 – Capstone Project Development	3 Hours
HT 512 – Capstone Project Implementation	4 Hours
Total Core Required Hours	24 Hours
Elective Requirement (chosen with advisor approval)	12 Hours
Minimum Hours Required within the Unit at the 500 level	8 Hours
Minimum 500-level hours	12 Hours
TOTAL Required Hours for MS in Health Technology	36 Hours

Current:

Requirements:	Hours
Major Core Requirement	
HT 501 – Understanding Users of Health Technology	4 Hours
HT 502 – Overview of Human Factors Methods for Health	4 Hours
HT 503 – Hardware Engineering for Health Technology	4 Hours
HT 504 – Software Engineering for Health Technology	4 Hours
HT 510 – Capstone Project Orientation	1 Hour
HT 511 – Capstone Project Development	3 Hours
HT 512 – Capstone Project Implementation	4 Hours
Total Core Required Hours	24 Hours
Elective Requirement (8 hours chosen from approved list)	12 Hours
Approved Health Technology Elective List	
BIOE 414: Bioinstrumentation	3 Hours
BIOE 415: Bioinstrumentation Lab	2 Hours
BIOE 416: Biosensors	4 Hours
BIOE 507: Advanced Bioinstrumentation	4 Hours
BIOE 598 JI: Fintie Element Mthds in Biomed	4 Hours
BIOE 598 NIE: Surgical Technologies	4 Hours

CHLH 421: Health Data Analysis	4 Hours
CHLH 470: Technology, Health, and Aging	4 Hours
CHLH 494: Health Technology and Health Behavior	4 Hours
CS 440: Artificial Intelligence	4 Hours
CS 465: User Interface Design	4 Hours
CS 565: Human-Computer Interaction	4 Hours
KIN 474: Tech-Driven Health Interven	4 Hours
ECE 422: Computer Security I	4 Hours
ECE 437: Sensors and Instrumentation	4 Hours
ECE 470: Introduction to Robotics	4 Hours
ECE 498: Smartphone Computing & Applications	4 Hours
IE 445: Human Performance and Cognition in Context	4 Hours
IE 528: Computing for Data Analytics	4 Hours
IE 529: Stats of Big Data & Clustering	4 Hours
IE 531: Algorithms for Data Analytics	4 Hours
IE 532: Analysis of Network Data	4 Hours
IE 533: Big Graphs and Social Networks	4 Hours
IE 534: Deep Learning	4 Hours
IE 546: Human Factors in HCES	4 Hours
IE 547: Healthcare Operations and Systems	4 Hours
ME 481: Whole-Body Musculoskel Biomech	4 Hours
RST 429: Contemporary Issues in Recreation, Sport and Tourism	4 Hours
RST 441: Community Planning and Engagement	3 or 4 Hours
RST 501: Concepts & Applications in Recreation, Sport, and Tourism	4 Hours
RST 502: Critical Issues Recreation Mgt	4 Hours
RST 520: Critical Issues Sport Mgt	4 Hours
RST 530: Critical Issues Tourism Mgt	4 Hours
RST 586: Health and Leisure in RST	4 Hours
SHS 473: Augmentative & Alt Comm	4 Hours
SHS 553: Hearing Aids and Amplification	4 Hours
SHS 555: Comm Lang Probs Hear Impaired	4 Hours
SHS 556: Sens Proth Devices Hear Loss	4 Hours
SHS 580: Cochlear Implants	4 Hours
Minimum Hours Required within the Unit at the 500 level	8 Hours
Minimum 500-level hours	12 Hours
TOTAL Required Hours for MS in Health Technology	36 Hours

Date Submitted: 01/13/22 11:16 am

Viewing: **1PKS5964MS : Business Analytics, MS**

Last approved: 01/06/22 10:42 am

Last edit: 02/09/22 5:09 pm

Changes proposed by: Lorena Nicholas

[Business Analytics, MS](#)

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

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

Approval Path

1. 01/13/22 3:01 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 01/13/22 3:02 pm
   Brian Fulton
   (bfulton):
   Approved for 1902
   Committee Chair
3. 01/13/22 3:50 pm
   Carlos Torelli
   (ctorelli):
   Approved for 1902
   Head
4. 01/13/22 3:51 pm
   Jeffrey
   Loewenstein
   (jloew): Approved

for KM Grad Committee Chair
5. 01/25/22 9:47 am
Jiekun Huang (huangjk):
Approved for KM Committee Chair
6. 02/01/22 10:35 am
Mark Peecher (peecher):
Approved for KM Dean
7. 02/01/22 10:53 am
John Wilkin (jpwilkin):
Approved for University Librarian
8. 02/04/22 3:30 pm
Allison McKinney (agrindly):
Approved for Grad_College
9. 02/09/22 5:10 pm
Kathy Martensen (kmartens):
Approved for Provost

History

1. Jan 8, 2021 by Lorena Nicholas (lorenan)
2. Jan 11, 2021 by Deb Forgacs (dforgacs)
3. Apr 16, 2021 by Lorena Nicholas (lorenan)
4. Sep 23, 2021 by Mary Lowry (lowry)
5. Dec 17, 2021 by Kathy Martensen (kmartens)

6. Dec 17, 2021 by Kathy Martensen (kmartens)
7. Jan 5, 2022 by Kathy Martensen (kmartens)
8. Jan 6, 2022 by Emily Stuby (eastuby)

Major (ex. Special Education)

This proposal is for a:
  Revision

Administration Details

Official Program Name	Business Analytics, MS
Sponsor College	Gies College of Business
Sponsor Department	Business Administration
Sponsor Name	Jeffrey Loewenstein, Associate Dean of Graduate Education; Robert Brunner, Associate Dean for Innovation
Sponsor Email	jloew@illinois.edu; bigdog@illinois.edu
College Contact	Lorena Nicholas

College Contact Email
  lorenan@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 Business Analytics.

Updating course list with new course numbers.

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?

Course numbers changed from Finance department.

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 Gies College of Business has a robust assurance of learning process, as it is required for AACSB accreditation. The College has a dedicated staff member who oversees all AACSB activities, as well as a dedicated eLearning team who work closely with faculty to create program assessment plans for their courses. The College will create an Assurance of Learning plan in line with AACSB and HLC standards as part of the rollout of the program. During the rollout phase, meetings with faculty to discuss program and course success will occur regularly and frequently to ensure that feedback and subsequent adjustments will occur as needed.

Each program has an Academic Director, a faculty member who leads assessment work, participates in Graduate Program Advisory Committee (Grad PAC), and oversees the implementation of any proposed and accepted changes to the program's structure, curriculum, and supporting activities. The current process for graduate programs includes the Academic Director meeting annually with faculty members to review curriculum plans, student feedback, benchmarking trends, and data in support of continuous improvement to ensure learning outcomes and results are aligned to internal and external stakeholder needs. As a result of such meetings, updates/changes, and enhancements are made to the curriculum and extracurricular offerings accordingly.

The assessment information is shared broadly with program, unit, and College leadership through both formal and informal presentations. Recipients of the information include Department Head, Associate Head, Assistant Dean of Graduate Education, members of the Grad PAC, Dean of the College, and faculty who teach in the program. The information is also maintained for inclusion in required AACSB accreditation reporting.

Our approach to program assessment is that it is a multi-level and multi-stage process.

Levels:
1- Course Learning and Course Outcomes: The extent to which students are meeting the learning objectives of every course.
2- Program Outcomes: To what extent students meet the expectations based on the "program graduate profile", as to how will graduates of this program be unique and knowledgeable as a result of having been part of this program
3- Student Satisfaction
4- Stakeholder satisfaction
5- Impact in individuals, academic units and society

Stages:
1- Formative evaluation will be conducted at the end of every course to address the results of
a) Level 1. The sources to be considered will be students' performance, attrition, and course evaluation, At the end of every term there will be a debriefing process to inform changes for upcoming semesters.

b) Level 3

2- Summative evaluation when a cohort completes the program will be conducted to assess
a) Level 2
b) Levels 3 and 4

3- Summative Evaluation over time will be conducted 2 and 3 years after a cohort has completed to assess impact of the program (Level 5). Source of information will include employment, type of employment, alumni income, and continuing education in other Gies programs.

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.

Business Analytics, MS
for the degree of Master of Science in Business Analytics
department catalog page: Business Administration
department website: Business Administration
department faculty: Gies College of Business Directory
overview of college admissions & requirements: Gies Graduate Programs Requirements
college website: Gies College of Business
email: grad@business.illinois.edu

The Master of Science (MS) in Business Analytics prepares students to master and apply contemporary analytics approaches to identify and address business problems and opportunities. It can be completed in residence or online. The course work includes foundations in managing, analyzing, and conveying patterns and implications of business data, followed by an array of analytics elective courses that enable students to deepen their skills and understanding in business application areas such as finance, accountancy, and marketing, among others. This is an intensive program for those interested in making decisions and innovating through the use of business analytics approaches.

Degree Requirements
for the degree of Master of Science in Business Analytics (on campus or on-line)
For additional details and requirements, refer to the department's Program Curriculum and the Graduate College Handbook.

Statement for Programs of Study Catalog

Course List

Code	Title	Hours
Core Courses:		
BADM 554	Enterprise Database Management	4
~~FIN 510~~	~~Course FIN 510 Not Found~~	~~4~~
FIN 550	Big Data Analytics in Finance for Predictive and Causal Analysis	4
BDI 513	Data Storytelling	4
Analytics Electives		20-24
BADM 550	Business Practicum	
BADM 557	Business Intelligence	
BADM 562	Social Media Strategy	
BADM 571	Digital Business & IT Strategy	
BADM 572	Stat for Mgt Decision Making	
BADM 573	Decision Analytics	
BADM 575	Supply Chain Analytics	
BADM 576	Data Science and Analytics	
BADM 577	Predictive Data Analytics	
BADM 590	Seminar in Business Admin	
FIN 537	Financial Risk Management	

Code	Title	Hours
FIN 552	Applied Financial Econometrics	
FIN 553	Machine Learning in Finance	
FIN 555	Financial Innovation	
FIN 567	Course FIN 567 Not Found	
FIN 580	Special Topics in Finance	
ACCY 512	Data Analytics for Management Accounting	
ACCY 569	Data Driven Decisions in Accounting	
ACCY 570	Data Analytics Foundations for Accountancy	
ACCY 571	Statistical Analyses for Accountancy	
ACCY 575	Data Analytics Applications in Accountancy	
ACCY 576	Data Preparation for Accounting	
ACCY 577	Machine Learning for Accounting	
ACCY 593	Special Research Problems	
General Graduate Electives		0 to 4
Total Hours		36

Other Requirements

Grad Other Degree Requirements

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

International students with TOEFL scores below 613 (paper-based), 257 (computer-based), or 103 (internet-based), or IELTS score below 7.0, are required to take the English Placement Test (EPT) when they arrive on campus. After taking the EPT, most students are required to take a Business English course sequence. For these students, completion of the ESL course sequence is mandatory but does not count towards the 36 hour degree requirement.

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?
  one year

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

What is the required GPA?	3.0

CIP Code	521302 - Business Statistics.

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Delivery Method

This program is available:

Blended - A single program in which students are required to take part of the curriculum on campus and another part in a different location or online.

Describe the use of this delivery method:

Gies has demonstrated success in delivering on campus and online courses in Business Analytics. We anticipate interest from students in courses offered in both formats. For example, GMAC 2019 survey data indicate that potential students interested in residential Business Analytics graduate degree programs are most interested in a mix of residential and online classes. In addition, we have rapidly expanded our online course offerings in our MBA and Accountancy programs, and have experienced strong enrollments, strong student satisfaction, and are starting to see the career outcome benefits resulting from these efforts. Consequently, we believe offering Business Analytics using courses in both in person and online delivery formats is in the best interests of students.

We are preparing to launch a full-time, residential format in Fall 2021. We include within that planning the development of further online versions of courses for students who seek the added flexibility. After the program is successfully established, we may put forward a proposal for a fully online offering. The MS/IM program, for example, has provided both a residential and a fully online format, and the MCS program finds value in using a fully online format. Thus, we believe it is plausible that we will develop a fully online format as well. Our use of different course and program formats is based on our understanding of how to best meet student needs. We currently see strong interest for a full-time residential program. Should we see demand for a part-time, online program we will propose such a format and develop it.

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   30   5th Year Estimate (or when
                                                   fully implemented)

100

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?
                       Yes

Please   The program will require a program director. All other staff functions would be
explain/describe: performed by existing Business Graduate Programs staff.

Additional Budget   Attached is a projected budget for the first three years. The tuition levels are based on
Information   a competitive analysis of similar programs at peer institutions as well as tuition levels
                       in related college programs. Further competitive analyses or college program tuition
                       changes may lead to tuition changes in this program.

                       a. How will the unit create capacity or surplus to appropriately resource this program?
                       If applicable, what functions or programs will the unit no longer support to create
                       capacity?

                       Faculty will teach courses on-load or off-load as fits departmental and college resource
                       allocation demands and faculty agreement. We will have sufficient faculty capacity to
                       support the course offerings as a result of existing hiring efforts and changes in our
                       College's overall teaching needs. Existing advisors are learning to support analytics
                       students, but it is likely that we will need to hire additional advisors with depth in this
                       space. The resources to do so will be drawn from program tuition.

                       b. Will the unit need to seek campus or other external resources? If so, please provide
                       a summary of the sources and an indication of the approved support.

We are not seeking any additional campus or external resources.

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?
> We have considerable faculty, staff, and infrastructure support to launch this program. We expect that enrollment and so revenue growth will provide the resources for expanding staff and infrastructure support.

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?
> Yes

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.22.085
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	[IBHE approves UIUC RME Change CIP MS Bus Analytics_01-27-2022.pdf](#)
Banner/Codebook Name	MS:Business Analytics - UIUC
Program Code:	1PKS5964MS

Minor Code	Conc Code	Degree Code		Major Code
5964		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

Allison McKinney (agrindly) (02/04/22 3:30 pm): Administratively approved by the Graduate College

Kathy Martensen (kmartens) (02/09/22 5:09 pm): Administrative approval: No change to total hours required; does not restrict student choice.

Key: 961

Julian Parrott
Assistant Vice President for Academic Programs & Partnerships

January 27, 2022

To: Andreas C. Cangellaris

From: Julian Parrott

Subject: Approval of Reasonable and Moderate Extension

The Illinois Board of Higher Education has approved the reasonable and moderate extension request for the following:

- Changing the CIP code for the Master of Science in Business Analytics

The change is effective immediately. Please let me know if you have any question.

Attachments
C: Amy Edwards
    Ellen Foran
    Avijit Ghosh
    Kathy Johnson
    Kristi Kuntz
    Chris Lehman
    Kathy Martensen
    Jessica Mette
    Renee Nagy
    Emily Stuby
    Nathan Wilds
    Aubrie Williams

January 27, 2022

Via Electronic Mail
Dr. Julian Parrott
Assistant Vice President for Academic Affairs
377 Henry Administration Bldg.
506 S. Wright
Urbana, Illinois 61801
Email: jparrott@uillinois.edu

Dear Dr. Parrott:

On December 1, 2021, the University of Illinois Urbana-Champaign (UIUC) submitted a reasonable and moderate extension (RME) to change the CIP Code for the Master of Science in Business Analytics from 30.7102 to 52.1302 given its broad quantitative and statistical nature of the curriculum and alignment as a STEM program. The RME was approved on December 17, 2021.

After review of the change, the University of Illinois Urbana-Champaign received notification that the previous CIP Code in Business Analytics was granted a STEM designation as of January 21, 2022. Given the program's alignment within the previous CIP and the newly granted STEM designation, the University of Illinois Urbana-Champaign requests that the CIP Code be reverted back to the original CIP code of 30.7102.

This approval is effective immediately. If you have any questions, please do not hesitate to contact me at (217) 557-7355 or via email at bree@ibhe.org.

Sincerely,

Chasity Bree, MS, MSEd
Assistant Director for Academic Affairs
Illinois Board of Higher Education

Office of the Executive Vice President/Vice President for Academic Affairs
377 Henry Administration Building
506 South Wright Street
Urbana, IL 61801

Julian Parrott
Assistant Vice President for Academic Programs and Partnerships

January 26, 2022

Gretchen Lohman
Illinois Board of Higher Education
1 N. Old State Capitol Plaza, Suite 333
Springfield, IL 62701

Dear Dr. Lohman:

I write to request a Reasonable and Moderate Extension from IBHE for a change in the CIP code for the University of Illinois Urbana-Champaign's Master of Science in Business Analytics. We are requesting that the CIP code be reverted to **30.7102, Business Analytics.**

The 30.7102 code, which matches the program title, was added in 2020; however, it had not been designated as STEM. As of January 21, 2022, CIP code 30.7102 is now officially STEM designated. Our previous request to change the code to 52.1302 was approved by IBHE on December 17, 2021. We are now requesting to revert to the 30.7102 CIP code.

Due to the university's academic calendar and holiday schedule, no student records have been updated at this time; reversing the decision would allow the program to maintain CIP code 30.7102 without disruption to currently enrolled international students.

Thank you for your consideration of this request. If you have questions, please do not hesitate to contact Kathy Johnson or me.

Sincerely,

Julian Parrott, Ed.D.
Assistant Vice President for Academic Programs & Partnerships

C: Emily Chase   Kathy Martensen
    Amy Edwards   Jessica Mette
    Ellen Foran   Renee Nagy
    Avijit Ghosh   Emily Stuby
    Kathy Johnson   Nathan Wilds
    Kristi Kuntz   Aubrie Williams
    Chris Lehman

Program Change Request

Date Submitted: 09/16/21 10:17 am

Viewing: **5539 : Advanced Analytics in Industrial & Enterprise Systems Engineering - Floating**

Last approved: 02/02/21 9:39 am

Last edit: 02/09/22 5:12 pm

Changes proposed by: Lauren Redman

Catalog Pages Using this Program	Advanced Analytics in Industrial & Enterprise Systems Engineering Concentration

Proposal Type:

In Workflow

1. **U Program Review**
2. **1422 Head**
3. **KP Committee Chair**
4. **KP 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. 09/17/21 4:09 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 09/19/21 11:27 pm
   Jeff Shamma
   (jshamma):
   Approved for 1422
   Head
3. 02/01/22 1:06 pm
   Keri Pipkins (kcp):
   Approved for KP
   Committee Chair
4. 02/01/22 3:22 pm
   Candy Deaville
   (candyd):
   Approved for KP
   Dean
5. 02/01/22 4:11 pm
   John Wilkin
   (jpwilkin):

Concentration (ex. Dietetics)

This proposal is
for a:
  Revision

Administration Details

Official Program Name	Advanced Analytics in Industrial & Enterprise Systems Engineering - Floating
Sponsor College	Grainger College of Engineering
Sponsor Department	Industrial and Enterprise Systems Engineering
Sponsor Name	Lauren Redman
Sponsor Email	lredman@illinois.edu
College Contact	Keri Pipkins Harry Dankowicz
College Contact Email	

kcp@illinois.edu danko@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 concentration in Advanced Analytics in Industrial & Enterprise Systems Engineering.

We are updating the list of courses to reflect our current course offerings. There were two courses that had never been offered (proposals to deactivate these have been submitted). We also have identified relevant courses to move into the core and secondary options. We have also indicated a GPA of 3.0.

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?

We want to ensure our course offerings in this concentration are relevant and stable moving forward. This is why we are adjusting the course offerings. This should not affect any students who are currently working toward the concentration, as the courses we are removing have never been offered. We have also indicated a GPA of 3.0. This is a new field that the Graduate College has added. Because we require a B or higher for each course taken in the concentration, the natural minimum GPA is a 3.0.

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).

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   AdvancedAnalytics Revision Fall2022 v2.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.

All information can remain as is, with the exception of the course changes reflected below. ~~additions.~~

Statement for Programs of Study Catalog

Course List

Code	Title	Hours
Advanced Analytics Core:		8
IE 434	Deep Learning: Mathematics and Applications (Deep Learning: Mathematics and Applications)	
IE 522	Statistical Methods in Finance	

Code	Title	Hours
IE 525	Stochastic Calculus & Numerical Models in Finance	
IE 528	Course IE 528 Not Found	
IE 529	Stats of Big Data & Clustering	
IE 530	Course IE 530 Not Found	
IE 531	Algorithms for Data Analytics	
IE 532	Analysis of Network Data	
IE 533	Big Graphs and Social Networks	
IE 534	Deep Learning	
Advanced Analytics Secondary: 1		4
IE 400	Design & Anlys of Experiments	
IE 410	Advanced Topics in Stochastic Processes & Applications	
IE 411	Optimization of Large Systems	
IE 510	Applied Nonlinear Programming	
IE 511	Integer Programming	
IE 514	Optimization Methods for Large-Scale, Network-Based Systems	
IE 521	Convex Optimization	
IE 523	Financial Computing	
SE 524	Data-Based Systems Modeling	
Total Hours 2, 3		12

1

Complete 4 hours from the Advanced Analytics Secondary Course List or choose an additional 4 hours from the Advanced Analytics Core Course List.

2

Students to earn a B or better in each concentration course.

3

These 12 hours may be used toward the major degree requirements.

Program Relationships

Corresponding
Program(s):

Corresponding Program(s)
Industrial Engineering, MS (on campus & online)
Financial Engineering, 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 and Online - 2 program types. Students can receive the entire program either on campus or online. Students can choose to take courses in either modality.

Describe the use of this delivery method:

The program is offered through regular on-campus, in-class instruction, as well as through The Grainger College of Engineering online platform for distance learners.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

We do not expect degrees awarded will increase. We do expect enrollment in these courses may increase very slightly.

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?
                The courses we are proposing be added to the Advanced Analytics concentration are already being taught. There are no additional costs associated with this revision.

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.

The courses being added to the concentration are already being offered. No impact is expected.

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.

We do not expect any impact on the University Library's resources.

EP Documentation

EP Control Number   EP.22.085

Attach Rollback/Approval

Notices

This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name	Advanced Analytics in Industrial & Enterprise Systems Engineering

Program Code:	5539

Minor Code		Conc Code	5539	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	**Deb Forgacs (dforgacs) (09/27/21 11:33 am):** Re-entered the proposal type due to system bug 09/27/2021
	Allison McKinney (agrindly) (02/04/22 3:29 pm): Administratively approved by the Graduate College.
	Kathy Martensen (kmartens) (02/09/22 5:11 pm): Administrative approval: Does not change total hours required; doesn't restrict student choice.

Key: 780

The [Advanced Analytics in Industrial & Enterprise Engineering Concentration](#) is available for:

Industrial Engineering MS
Financial Engineering, MS

Original Requirements	Proposed Requirements
Advanced Analytics Core Courses **8 hours**	**Advanced Analytics Core Courses** **8 hours**
IE 522 Statistical Methods in Financial Engineering (4 hours)	IE 434: Deep Learning: Mathematics and Applications – course proposal submitted) (4 hours)
IE 525 Stochastic Calculus & Numerical Models in Finance (4 hours)	IE 522 Statistical Methods in Financial Engineering (4 hours)
IE 528 Computing for Data Analytics (4 hours)	IE 525 Stochastic Calculus & Numerical Models in Finance (4 hours)
IE 529 Stats of Big Data and Clustering (4 hours)	IE 529 Stats of Big Data and Clustering (4 hours)
IE 530 Optimization for Data Analytics (4 hours)	IE 531 Algorithms for Data Analytics (4 hours)
IE 531 Algorithms for Data Analytics (4 hours)	IE 532 Analysis of Network Data (4 hours)
IE 532 Analysis of Network Data (4 hours)	IE 533 Big Graphs and Social Networks (4 hours)
IE 533 Big Graphs and Social Networks (4 hours)	IE 534 Deep Learning
Advanced Analytics Secondary Courses **4 hours**	**Advanced Analytics Secondary Courses** **4 hours**
IE 400 Design & Analysis of Experiments (4 hours)	IE 400 Design & Analysis of Experiments (4 hours)
IE 410 Stochastic Processes & Applications (4 hours)	IE 410 Stochastic Processes & Applications (4 hours)
IE 411 Optimization of Large Systems (4 hours)	IE 411 Optimization of Large Systems (4 hours)
IE 510 Applied Nonlinear Programming (4 hours)	IE 510 Applied Nonlinear Programming (4 hours)
IE 511 Integer Programming (4 hours)	IE 511 Integer Programming (4 hours)
IE 521 Convex Optimization (4 hours)	IE 514 Optimization Methods for Large Scale Network-based Systems (4 hours)
IE 523 Financial Computing (4 hours)	IE 521 Convex Optimization (4 hours)
IE 534 Deep Learning (4 hours)	IE 523 Financial Computing (4 hours)
	SE 524 Data-based Systems Modeling (4 hours)

Program Change Request

Date Submitted: 01/14/22 3:55 pm

Viewing: **10KM0071BS : Accountancy, BS**

Last edit: 02/04/22 8:51 am

Changes proposed by: Ashley Lamb

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

Proposal Type:

In Workflow

1. **U Program Review**
2. **1346 Head**
3. **KM Committee Chair**
4. **KM Dean**
5. **University Librarian**
6. **Provost**
7. **Senate EPC**
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Approval Path

1. 01/18/22 2:50 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 01/18/22 3:22 pm
   Michael Donohoe
   (mdonohoe):
   Approved for 1346
   Head
3. 01/25/22 9:47 am
   Jiekun Huang
   (huangjk):
   Approved for KM
   Committee Chair
4. 02/01/22 10:36
   am
   Mark Peecher
   (peecher):
   Approved for KM
   Dean
5. 02/01/22 10:40
   am
   John Wilkin

Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

Official Program Name	Accountancy, BS
Sponsor College	Gies College of Business
Sponsor Department	Accountancy
Sponsor Name	Michael Donohoe
Sponsor Email	mdonohoe@illinois.edu
College Contact	Nerissa Brown

College Contact Email

nerissab@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 BS in Accountancy.

This proposal is being submitted to remove a course, ACCY 415, from the listed degree requirements along with the associated footnote language.

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 decided to move away from offering two audit courses for the Bachelor of Science in Accountancy (BSA) program. More specifically, we are no longer offering ACCY 415. As such, we need to update the degree requirements listed in the course catalog to reflect this change. The BSA degree still requires students to complete ACCY 405.

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).

We plan to continue with our existing metrics to assess and improve student learning. The proposed change will not affect how we assess the 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.

Statement for Programs of Study Catalog

Minimum requirements in the major for the Bachelor of Science Degree in Accountancy are:

Course List

Code	Title	Hours
ACCY 301	Atg Measurement & Disclosure	3
ACCY 302	Decision Making for Atg	3
ACCY 303	Accounting Institutions and Regulation	3
ACCY 304	Accounting Control Systems	3
ACCY 312	Principles of Taxation	3
ACCY 405	Assurance and Attestation	3
Select one of the following:		3
ACCY 410	Advanced Financial Reporting	
ACCY 451	Advanced Income Tax Problems	
Total Hours		21

Accountancy courses (both required and elective) to be applied toward the 124-hour requirement for the Bachelor of Science Degree in Accountancy may not be taken on a credit/no-credit basis. In addition, a limit of 33 hours of accountancy courses (including ACCY 201 and ACCY 202) may be counted toward the 124 total hour requirement. ~~requirement.Finally, students must select from either ACCY 405 or ACCY 415. Both courses cannot count toward the Bachelor of Sciencedegree.~~

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   520301 - Accounting.

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 expected impact on 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)?

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.

We do not anticipate impact in any of the following areas: number of faculty, class size, teaching loads, student-faculty ratios, student advising, job placement and/or admission to advanced studies.

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.

There is no impact on the University Library resources.

EP Documentation

EP Control Number	EP.22.085
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BS:Accountancy -UIUC
Program Code:	10KM0071BS

Minor Code	Conc Code	Degree Code	Major Code
0071		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 Comments	**Kathy Martensen (kmartens) (02/02/22 9:00 am):** Administrative approval: No change to total hours required; doesn't restrict student choice.

Program Change Request

Date Submitted: 01/11/22 4:40 pm

Viewing: **10KM0075BS : Finance, BS**

Last approved: 02/26/20 6:15 pm

Last edit: 02/04/22 8:51 am

Changes proposed by: Hanna Richmond

Finance, BS

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. **U Program Review**
2. **1260 Committee Chair**
3. **1260 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. 01/12/22 2:17 pm
   Deb Forgacs
   (dforgacs):
   Approved for U
   Program Review
2. 01/12/22 2:37 pm
   Nolan Miller
   (nmiller):
   Approved for 1260
   Committee Chair
3. 01/13/22 1:02 pm
   Louis Chan (l-
   chan2): Approved
   for 1260 Head
4. 01/25/22 9:47 am
   Jiekun Huang
   (huangjk):
   Approved for KM
   Committee Chair
5. 02/01/22 10:36
   am
   Mark Peecher

History

1. Feb 26, 2020 by Hanna Richmond (hrichmnd)

Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

Official Program Name	Finance, BS
Sponsor College	Gies College of Business
Sponsor Department	Finance
Sponsor Name	Louis Chan
Sponsor Email	l-chan2@gmail.com
College Contact	Kevin Jackson

College Contact Email

kjack@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 BS in Finance.

Curricula update: Geography and 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).

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
For Students Admitted Prior to Fall 2016		
FIN 300	Financial Markets (Prerequisite: FIN 221 Corporate Finance)	3
FIN 321	Advanced Corporate Finance (Prerequisite: FIN 300 Financial Markets)	3
Three additional full-semester, 3-hour 400-level Finance courses except FIN 494 or FIN 495 (Senior Research) and FIN 490 (Special Topics).		9
Select one of the following (Major elective):		3-4
ACCY 301	Atg Measurement & Disclosure (Prerequisite: ACCY 202)	
ACCY 302	Decision Making for Atg (Prerequisite: ACCY 202)	
ACE 428	Commodity Futures and Options	
BADM 374	Management Decision Models (Prerequisite: ECON 202 or consent of instructor)	
Economics: any 300- or 400-level course excluding ECON 302		
GEOG 483	Course GEOG 483 Not Found	
GGIS 483	Urban Geography	
Mathematics or statistics: any course above the minimum mathematics or statistics requirement of the college with the exception of MATH 225.		
Other courses as recommended by the Department of Finance faculty and approved by the Department of Finance chairperson.		

Course List

Code	Title	Hours
For Students Admitted Fall 2016 and Later		
FIN 300	Financial Markets (Prerequisite: FIN 221 Corporate Finance)	3

Code	Title	Hours
FIN 321	Advanced Corporate Finance (Prerequisite FIN 300 Financial Markets)	3
FIN 411	Investment & Portfolio Mngt (Prerequisite: FIN 300 Financial Markets)	3
	Four additional full-semester, 3 hour 400 level-Finance courses except FIN 494 or FIN 495 (Senior Research) and FIN 490 (Special Topics).	12
	One additional full-semester, 3-hour Finance course at the 200-level or above.	3

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	520801 - Finance, General.

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?

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 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.22.085
Attach Rollback/Approval Notices	
This proposal	No

requires HLC
inquiry

DMI Documentation

Attach Final
Approval Notices

Banner/Codebook   BS:Finance -UIUC
Name

Program Code: 10KM0075BS

Minor		Conc		Degree	BS	Major	
Code		Code		Code		Code	
0075							

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) (02/02/22 9:03 am):** Administrative approval: Does
Comments   not change total hours required; doesn't restrict student choice.

Date Submitted: 01/18/22 3:49 pm

Viewing: **10KV5348BSLA : Computer Science + Anthropology, BSLAS**

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

Last edit: 02/04/22 9:21 am

Changes proposed by: Beth McKown

Computer Science + Anthropology, BSLAS

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. **U Program Review**
2. **1241 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. 01/28/22 3:03 pm
   Brenda Farnell
   (bfarnell):
   Approved for 1241
   Head
3. 01/29/22 10:35
   am
   Elsa Gunter
   (egunter):
   Approved for 1434
   Head
4. 01/30/22 3:03 pm
   Brooke Newell
   (bsnewell):
   Approved for KP
   Committee Chair
5. 01/31/22 8:18 am

Candy Deaville
(candyd):
Approved for KP
Dean

6. 01/31/22 11:56
am
Stephen Downie
(sdownie):
Approved for KV
Dean

7. 01/31/22 1:05 pm
John Wilkin
(jpwilkin):
Approved for
University
Librarian

8. 02/02/22 9:07 am
Kathy Martensen
(kmartens):
Approved for
Provost

History

1. Feb 1, 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 + Anthropology, BSLAS
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Anthropology
Sponsor Name	Brenda Farnell, Professor and Head ~~Ripan Mahli, Professor Anthropology~~
Sponsor Email	bfarnell@illinois.edu ~~malhi@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   Fall 2022
Term

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

  Administrative approval to revise the BSLAS in Computer Science + Anthropology.

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 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		
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 Anthropology Coursework - Minimum of 24 hours		
Required Foundation Courses. Select at least 4 courses from the following. Students may make one course substitution for one of the required foundation courses, choosing from the option listed.		12-18
ANTH 101	Introduction to Anthropology	

Code	Title	Hours
ANTH 110	Humanizing Science	
ANTH 220	Introduction to Archaeology	
or ANTH 105	World Archaeology	
ANTH 230	Sociocultural Anthropology	
or ANTH 103	Anthro in a Changing World	
ANTH 240	Biological Anthropology	
or ANTH 102	Human Origins and Culture	
ANTH 270	Language in Culture	
or ANTH 104	Talking Culture	
ANTH 374	Anth of Science and Technology	
or ANTH 372	Topics in Lang & Culture	
Electives (Substitutions with permission of advisor)		6-9
ANTH 241	Human Biological Variation	
ANTH 268	Images of the Other	
ANTH 368	'America' in the World	
ANTH 375	The Culture of Nature	
ANTH 399	Special Topics (check with advisor for appropriate topics)	
ANTH 411	Research Methods in Socio-Cultural Anthropology	
ANTH 423	Economic Anthropology	
ANTH 453	Landscape Archaeology	
ANTH 499	Topics in Anthropology (check with advisor for appropriate topics)	
Optional Senior Capstone Project (See advisor for details)		

~~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   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 change in support.~~

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.22.085
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BSLAS: Comp Sci & Anth-UIUC
Program Code:	10KV5348BSLA

Minor Code	Conc Code	Degree Code	Major Code
5348		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) (02/02/22 9:05 am):** Administrative approval:
Comments   Doesn't change total hours required; doesn't restrict student choice.

Key: 281

Program Change Request

Date Submitted: 01/24/22 1:55 pm

Viewing: **10KV5676BSLA : Computer Science + Geography & Geographic Information Science, BSLAS**

Last approved: 05/10/21 3:13 pm

Last edit: 02/04/22 9:22 am

Changes proposed by: Beth McKown

Catalog Pages Using this Program	Computer Science + Geography & Geographic Information Science, BSLAS

Proposal Type:

In Workflow

1. **U Program Review**
2. **1872 Head**
3. **1434 Head**
4. **KP Committee Chair**
5. **KP Dean**
6. **SESE 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. 01/25/22 3:19 pm Deb Forgacs (dforgacs): Approved for U Program Review
2. 01/25/22 9:48 pm Shaowen Wang (shaowen): Approved for 1872 Head
3. 01/29/22 1:07 am Elsa Gunter (egunter): Approved for 1434 Head
4. 01/30/22 3:03 pm Brooke Newell (bsnewell): Approved for KP Committee Chair
5. 01/31/22 8:18 am

Candy Deaville
(candyd):
Approved for KP
Dean

6. 01/31/22 8:58 am
Jonathan Tomkin
(tomkin):
Approved for SESE
Head

7. 01/31/22 11:57
am
Stephen Downie
(sdownie):
Approved for KV
Dean

8. 01/31/22 1:06 pm
John Wilkin
(jpwilkin):
Approved for
University
Librarian

9. 02/02/22 9:10 am
Kathy Martensen
(kmartens):
Approved for
Provost

History

1. Feb 22, 2019 by
Deb Forgacs
(dforgacs)
2. Aug 28, 2019 by
Amy Elli (amyelli)
3. May 10, 2021 by
Amy Elli (amyelli)

Major (ex. Special Education)

This proposal is
for a:
Revision

Administration Details

Official Program   Computer Science + Geography & Geographic
Name   Information Science, BSLAS

Sponsor College   Liberal Arts & Sciences

Sponsor Department	Geography and Geographic Information Science
Sponsor Name	Shaowen Wang, Professor and Department Head
Sponsor Email	shaowen@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 + Geography & Geographic Information Science.

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 course listing renumbered to CS 340.
> Updating rubric GEOG to GGIS effective Fall 2022.

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		
Choose one of the following:		3
STAT 200	Statistical Analysis	
STAT 212	Biostatistics	
CS 361	Probability & Statistics for Computer Science (recommended)	
CS 374	Introduction to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3 or 4
Mathematics (may also fulfill the General Education QR I and II requirements)		
MATH 220	Calculus	5
or MATH 221	Calculus I	
MATH 225	Introductory Matrix Theory	2 or 3
or MATH 257	Linear Algebra with Computational Applications	

Code	Title	Hours
MATH 231	Calculus II	3
Required Geographic Information Science Coursework - Minimum of 24 hours		
GEOG 371	Course GEOG 371 Not Found	4
GEOG 379	Course GEOG 379 Not Found	4
GEOG 380	Course GEOG 380 Not Found	4
GGIS 371	Spatial Analysis	
GGIS 379	Introduction to Geographic Information Systems	
GGIS 380	Spatial Problem Solving	
Two (2) additional GIS courses from the following list:		6
GEOG 205	Course GEOG 205 Not Found	
GEOG 224	Course GEOG 224 Not Found	
GEOG 280	Course GEOG 280 Not Found	
GEOG 412	Course GEOG 412 Not Found	
GEOG 407	Course GEOG 407 Not Found	
GEOG 421	Course GEOG 421 Not Found	
GEOG 439	Course GEOG 439 Not Found	
GEOG 440	Course GEOG 440 Not Found	
GEOG 460	Course GEOG 460 Not Found	
GEOG 468	Course GEOG 468 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	
GGIS 205	Business Location Decisions	
GGIS 224	Environmental Data Science	
GGIS/SOC 280	Intro to Social Statistics	
GGIS 407	Foundations of CyberGIS & Geospatial Data Science	
GGIS 412	Geospatial Technology & Society	
GGIS/ATMS 421	Earth Systems Modeling	
GGIS/PATH 439	Health Applications of GIS	
GGIS 440	Business Applications of GIS	
GGIS 460	Aerial Photo Analysis	
GGIS 468	Biological Modeling	
GGIS 473	Digital Cartography & Map Design	
GGIS 476	Applied GIS to Environ Studies	
GGIS 477	Introduction to Remote Sensing	
GGIS 478	Techniques of Remote Sensing	
GGIS 479	Advanced Topics in GIS	
GGIS 480	Principles of Geographic Information Science	
GGIS 489	Programming for GIS	
Two (2) human and/or physical geography courses:		6
GEOG 204	Course GEOG 204 Not Found	

Code	Title	Hours
~~GEOG 210~~	~~Course GEOG 210 Not Found~~	
~~GEOG 221~~	~~Course GEOG 221 Not Found~~	
~~GEOG 222~~	~~Course GEOG 222 Not Found~~	
~~GEOG 287~~	~~Course GEOG 287 Not Found~~	
~~GEOG 350~~	~~Course GEOG 350 Not Found~~	
~~GEOG 356~~	~~Course GEOG 356 Not Found~~	
~~GEOG 370~~	~~Course GEOG 370 Not Found~~	
~~GEOG 384~~	~~Course GEOG 384 Not Found~~	
~~GEOG 401~~	~~Course GEOG 401 Not Found~~	
~~GEOG 405~~	~~Course GEOG 405 Not Found~~	
~~GEOG 406~~	~~Course GEOG 406 Not Found~~	
~~GEOG 408~~	~~Course GEOG 408 Not Found~~	
~~GEOG 410~~	~~Course GEOG 410 Not Found~~	
~~GEOG 436~~	~~Course GEOG 436 Not Found~~	
~~GEOG 438~~	~~Course GEOG 438 Not Found~~	
GGIS 204	Cities of the World	
GGIS 210	Social & Environmental Issues	
GGIS 221	Geographies of Global Conflict	
GGIS 222	Big Rivers of the World	
GGIS/NRES 287	Environment and Society	
GGIS/ESE 350	Sustainability and the City	
GGIS 356	Sustainable Development in South Asia	
GGIS 370/ESE 320	Water Planet, Water Crisis	
GGIS 384	Population Geography	
GGIS/NRES 401	Watershed Hydrology	
GGIS 405	Geography Field Course	
GGIS 406	Fluvial Geomorphology	
GGIS 408	Humans and River Systems	
GGIS 410	Green Development	
GGIS 436/IB 439	Biogeography	
GGIS 438	Geography of Health Care	
GEOG/LA 446	Course GEOG 446 Not Found	
~~GEOG 455~~	~~Course GEOG 455 Not Found~~	
~~GEOG 465~~	~~Course GEOG 465 Not Found~~	
~~GEOG 466~~	~~Course GEOG 466 Not Found~~	
~~GEOG 471~~	~~Course GEOG 471 Not Found~~	
~~GEOG 482~~	~~Course GEOG 482 Not Found~~	
~~GEOG 483~~	~~Course GEOG 483 Not Found~~	
~~GEOG 484~~	~~Course GEOG 484 Not Found~~	
~~GEOG 496~~	~~Course GEOG 496 Not Found~~	
GGIS 455	Geography of Sub-Saharan Africa	
GGIS 465	Transportation &Sustainability	
GGIS 466	Environmental Policy	

Code	Title	Hours
GGIS 471	Recent Trends in Geog Thought	
GGIS 482	Challenges of Sustainability	
GGIS 483	Urban Geography	
GGIS 484	Cities, Crime, and Space	
GGIS 496	Climate & Social Vulnerability	

~~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?

~~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.
N/A

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.22.085
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BSLAS:Comp Sci & Geog&GIS-UIUC
Program Code:	10KV5676BSLA

Minor Code	Conc Code	Degree Code	BSLAS	Major Code
5676				

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) (02/02/22 9:09 am):** Administrative approval: Does not change total hours required; doesn't restrict student choice.

Key: 285

Date Submitted: 02/07/22 9:25 am

Viewing: **10KR5749BS : Sustainable Design, BS**

Last approved: 04/02/21 3:10 pm

Last edit: 02/09/22 5:06 pm

Changes proposed by: Nicole Turner

Sustainable Design, BS

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. **U Program Review**
2. **1644 Head**
3. **KR Dean**
4. **University Librarian**
5. **Provost**
6. **Senate EPC**
7. Senate
8. U Senate Conf
9. Board of Trustees
10. IBHE
11. HLC
12. DMI

Approval Path

1. 02/07/22 12:32 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 02/07/22 12:42 pm
   Nicole Turner (nicturn):
   Approved for 1644 Head
3. 02/07/22 12:44 pm
   Nicole Turner (nicturn):
   Approved for KR Dean
4. 02/07/22 12:46 pm
   John Wilkin (jpwilkin):
   Approved for University Librarian
5. 02/09/22 5:08 pm

History

1. Sep 3, 2019 by
   Nicole Turner
   (nicturn)
2. Apr 2, 2021 by
   Nicole Turner
   (nicturn)

Major (ex. Special Education)

This proposal is
for a:
  Revision

Administration Details

Official Program Name	Sustainable Design, BS
Sponsor College	Fine & Applied Arts
Sponsor Department	Fine and Applied Arts
Sponsor Name	Daniel Schneider
Sponsor Email	ddws@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/nicturn@illinois.edu

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 Sustainable Design.

Minor revisions to undergraduate program to primarily expand offerings for students and make one replacement for a major requirement. No change to degree hours and decreases total of major requirement hours by 1.

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. Provide 'or' option to ARTD 225, Design Drawing. The program seeks to add 'or ARCH 172 Drawing and Modelling' as another option to meet this requirement. The program brings both transfer students and students who may often already taken ARCH 172 which also teaches an introductory hand drawing skillset the faculty committee found to be appropriate for this interdisciplinary major. Architecture has approved this.

2. Replace ARCH 231 (4 hours) with ARCH 321 (3 hours) = 1 less credit hour of total major requirement hours and no change to total degree hours. The course content of ARCH 231 has developed since the BSSD was approved and now is less applicable for BSSD students. ARCH 321 Environment, Architecture, and Global Health is more relevant and is already a common major elective students have sought out. Therefore, ARCH 321 replaces 231 as a major requirement. Architecture has approved this.

3. Due to revision #2, the total major requirement hours from 45 to 44. In the bottom table, this changes the total number of university/free electives from 25 to 26.

4. Due to revision in #2, ARCH 321 is removed from the major elective list and ARCH 231 is added.

5. UP 494 section LB Public Transportation Planning was a special topics course and a major elective. The course has now transitioned to its own number for spring 2022 and so the major elective list is updated to add UP 437 Public Transportation Planning. While not all UP 494 sections are applicable to BSSD majors, section LK and section PC are also applicable and added.

5. Other courses approved by advisor is added at end of major elective list. This will allow for the advisor to approve courses that are a good fit for major electives, but not currently on the list without requiring a college office approval of a course substitution. An upcoming example is CHP 395 Interdisciplinary Seminar (Campus Honors Program), section A Sustainability Challenges, Law.

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 Student Learning objectives (SLO) are:

1. Students will have a deep level of understanding of the fundamentals of sustainability and their functional links to the built environment

2. Students will have a deep level of understanding of the fundamentals of design thinking and practice

3. Students will be proficient in applying basic principles of visual and material communication, including sketching, drafting, model-making, 2-d and 3-d design software and geographic information systems.

4. Students will be able to combine design theory and practice with sustainability principles to address environmental issues at the product, building, neighborhood, city, landscape and global levels.

5. Students will be comfortable working in multidisciplinary teams to solve complex design problems

Assessment criteria will be based on the program's learning objectives. Students will be assessed according to the above learning objectives in each of their courses, and at the end of their program through the capstone project. For studio courses we invite critics from private firms, nonprofits and City officials to review students' work and offer feedback. Course instructors will be responsible for evaluating students' performance in their courses through formative and summative assessments of work (short, cumulative assignments throughout the semester, essays, portfolios, exhibits, reflections).

Student performance and course effectiveness are regularly evaluated by individual instructors and are based on course-embedded projects and assessment, class critiques, student program exhibits, capstone projects, portfolios, a BSSD exhibition, and student course evaluations. Studio and seminar faculty teaching in the BSSD will assess individual student performance on a regular basis.

The first level of governance for the major will be a faculty program coordinator from one of the units in the College of Fine and Applied Arts, along with one faculty person from each of the remaining three units, to form a courses and curricula committee to provide a first level of governance for all academic program concerns. This committee will meet regularly during the program startup to evaluate its success.

The following assessment data will be used to aid the evaluation of the program:
• Admission numbers disaggregated by race, gender, socio-economic status, geography, concentration, and academic year
• Student performance data
• Student participation in study abroad programs
• Undergraduate research opportunities

- Retention rates and average time to complete the degree
- Student and alumni feedback
- Senior exit survey
- Student awards and recognition outside the School of Art and Design
- Job placements
- Graduate School placements
- Alumni Surveys

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.

Bachelor of Science in Sustainable Design

College of Fine and Applied Arts Office of Undergraduate Affairs
110 Architecture Building
608 East Lorado Taft Drive 217 333 6061

The major in Sustainable Design offers an innovative, interdisciplinary course of study in design, with a focus on building sustainable communities through the intentional design of environmentally sensitive products, buildings, neighborhoods, landscapes and cities.

The program grounds concrete skills development with opportunities to move between disciplinary barriers, allowing students to prepare for the future in a sustainable world where ideas from many disciplines will be necessary to solve the complex problems of pollution reduction, energy conservation, and biodiversity protection in equitable, healthy, and thriving places.

Required introductory coursework provide a solid grounding in design thinking and skills, coupled with a broad understanding of the role of design in achieving sustainable results across scales. Students will apply their skills and knowledge in a required senior capstone project.

With expertise across disciplines, students in this program will be prepared to work in the public and private sector, or continue preparation in a variety of professional graduate programs such as Architecture, Industrial Design, Landscape Architecture, Urban Design and Urban Planning.

Statement for Programs of Study Catalog

Course List

Code	Title	Hours
General Education Requirements		
Composition I		4
Advanced Composition		3
~~Humanities & the Arts 1~~		~~6~~
Humanities & the Arts*		6
Cultural Studies: Western/Comparative Culture(s)		3
Cultural Studies: Non-Western Culture(s)		3
Cultural Studies: US Minority Culture(s)		3
Natural Sciences and Technology		6
~~Social and Behavioral Sciences 1~~		~~6~~
Social and Behavioral Sciences*		6
Quantitative Reasoning I and II		6
~~Language Other than English 2~~		~~0-12~~
Language Other Than English requirements		0-12

Code	Title	Hours
Total Hours (with Language requirement fulfilled)		34

*Completion of ARTH 211 and UP 136 (major requirements) meets 6 hours of the general education requirement for Humanities and the Arts (3 hours) and Social and Behavioral Science (3 hours)

Course List

Code	Title	Hours
Major Requirements		
FAA 101	Arts at Illinois	1
LA 101	Introduction to Landscape Arch	2
UP 136	Urban Sustainability (Gen Ed: Social & Behav Sci)	3
ARCH 171	Concepts and Theories of Architectural Design	3
ARTH 211	Design History Survey (Gen Ed: Humanities & the Arts)	3
ARTD 225	Design Drawing	3
or ARCH 172	Drawing and Modeling	
FAA 230	Sustainable Design of the Built Environment	3
~~ARCH 231~~	~~Anatomy of Buildings~~	~~4~~
ARTD 326	Sustainability & Manufacturing	3
ARCH 321	Environment, Architecture, and Global Health	3
ARTD 451	Ethics of a Designer in a Global Economy	4
FAA 330	Making Sustainable Design	5
ARCH 273	Strategies of Architectural Design	3
FAA 430	Capstone Seminar	3
FAA 431	Capstone Studio	5
Total Hours		44

Course List

Code	Title	Hours
Major Electives		
Select 16 credit hours, with at least 10 hours at the 300 or 400-level, and with approval of advisor.		
ARTD 230	Design Thinking/Need-Finding	3
ARTD 270	Design Methods	2
ART 205	Experience & Meaning in Design (Gen Ed: Social & Beh Sci - Beh Sci + Cultural Studies: Western)	3
ART 208	Digital Art and Sustainability (Gen Ed: Humanities & the Arts- LA)	3
ART 310	Design Thinking (Gen Ed: Humanities & the Arts- LA)	3
ARTD 426	Product Innovation	3
ARTS 321	Sustainable Fashion Development and Branding	3
UP 203	Cities: Planning & Urban Life	3
UP 204	Chicago: Planning & Urban Life	3
UP 205	Ecology & Environmental Sustainability (Gen Ed: Natural Sci & Tech)	3
UP 246	International Environmental Planning and Governance	3
UP 340	Planning for Healthy Cities	3
UP 405	Watershed Ecology and Planning	4
UP 406	Urban Ecology	4
UP 418	GIS for Planners	4
UP 420	Plng for Historic Preservation	4
UP 430	Urban Transportation Planning	4
UP 434	Pedestrian and Bicycle Planning	3
UP 437	Public Transportation Planning	3

Code	Title	Hours
UP 456	Sustainable Planning Workshop	4
UP 479	Community Engagement in Planning	3
UP 486	Planning with Climate Change	4
UP 494	Special Topics in Planning (section SK Food Systems Planning or PC Planning Colloquium)	1-4
ARCH 210	Introduction to the History of World Architecture	3
~~ARCH 321~~	~~Environment, Architecture, and Global Health~~	~~3~~
ARCH 231	Anatomy of Buildings	4
ARCH 416	The Architecture of the United States, c.1650 to Present	3
ARCH 417	Modern and Contemporary Global Architecture	3
LA 212	Water and Society (Gen Ed: Humanities & the Arts -HP + Cultural Studies- West)	3
LA 222	Islamic Gardens & Architecture (Gen Ed: Humanities & the Arts -HP + Cultural Studies- Non-West)	3
LA 314	History of World Landscapes (Gen Ed: Advanced Composition + Humanities & the Arts-HP + Cultural Studies- West)	4
LA 370	Environmental Sustainability	3
LA 446	Sustainable Planning Seminar	4
LA 466	Energy & the Built Environment	4
LA 480	Sustainable Design Principles	2
Other courses approved by advisor		
Total Hours (minimum)		16

Course List

Code	Title	Hours
College or University Electives		
Select approximately 26 credit hours with approval of advisor to complete degree requirements.		

Course List

Code	Title	Hours
Summary of Credits for Bachelor of Science in Sustainable Design		
General Education requirements		34
Language Requirements		0 - 12
Major Requirements		44
Major Electives		16
College or University Electives		26
A minimum of 40 credits at the 300 or 400 course level are required		
Total Hours for Bachelor of Science in Sustainable Design		120

~~1 Completion of ARTH 211 and UP 136 (major requirements) meets 6 hours of the general education requirement for Humanities and the Arts (3 hours) and Social and Behavioral Science (3hours).2 Language RequirementsThis requirement may be satisfiedby:• 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• Current list of courses approved to satisfy the languagerequirement.If you enter UIUC without three years of language other than English in high school, you must take a language placement test to determine the courses in which you should enroll3 Advanced HoursRequirement:A minimum of 40 credits at the 300 or 400 course level arerequired.~~

Corresponding   BS Bachelor of Science

Degree

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	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 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.

Program does not require a portfolio, there is no licensure component, and admissions requirements are managed by Undergraduate Admissions. Transfer admissions requirements remain the same (https://admissions.illinois.edu/Apply/Transfer/handbook), as do inter-college transfer requirements (https://faa.illinois.edu/majors-minors/prospective-students).

Describe how critical academic functions such as admissions and student advising are managed.
Admissions is managed through Undergraduate Admissions and FAA Admissions. Student advising is provided by the assistant dean and faculty administrator.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact.

Estimated Annual Number of Degrees Awarded

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

10-20

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?
~~An additional teaching assistant has been allotted for ARTD 451 as it shifts to a major requirement for all students.The college will cover the cost of this TA stipend for the School of Art&Design, with approval from Dean Kevin Hamilton (attached).ARCH 273 has the capacity to accommodate the SD majors, approval from the Head of Architecture (attached).~~

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

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 program revision to the BSSD.

EP Documentation

EP Control Number   EP.22.085

Attach

Rollback/Approval
Notices

This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BS: Sustainable Design - UIUC
Program Code:	10KR5749BS

Minor Code	Conc Code	Degree Code	BS	Major Code
5749				

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) (02/01/22 4:47 pm):** Rollback: requested. **Kathy Martensen (kmartens) (02/09/22 5:05 pm):** Administrative approval: Does not change total hours required nor restrict student choice.

Key: 614