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

EP.21.073   Report of Administrative Approvals through March 15, 2021

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 April 5, 2021. Additional information for each approval is attached.

A. **Undergraduate Programs**

1) **Human Geography Concentration, BALAS in Geography & Geographic Information Science** – in the list of 200- to 400-level Geography and Geographic Information Science courses of which students are to choose 25-27 hours, add GEOG 254, American People, Places, & Environments (3 hours). There is no change to the total hours required.

2) **Geography & Geographic Information Science Minor** – in the list of human geography courses from which students are to select 3 hours, add GEOG 254, American People, Places, & Environments (3 hours). There is no change to total hours required.

3) **Information Systems, BS** – revise the "select from" list to require 9 rather than 6 hours of IS Major Electives, removing BADM 355, Enterprise Software Management (3 hours), and adding BADM 356, Data Science and Analytics (3 hours), BADM 357, Digital Making Seminar (3 hours), and BADM 395, Senior Research II, Sections BDI, ISM, ID, and IOP (3 hours each section). Rather than having students select four courses, 12-14 hours, of IS Program Electives, require three courses, 9 hours, and add BADM 323, Marketing Communications (3 hours), BADM 326, Pricing Strategy (3 hours), BADM 329, New Product Development (3 hours), BDAM 382, International Marketing (3 hours), and BADM 395, Senior Research II, Sections BDI, ISM, ID, and IOP (3 hours each section; each section can only be applied to either the IS Major Electives or the IS Program Electives list, but not both) and remove BADM 380, International Business (3 hours); BADM 445, Small Business Consulting (3 hours), and BADM 446, Entrepreneurship: New Venture Creation (3 hours). There is no change to total hours required.

4) **Strategic Business Development & Entrepreneurship, BS** – revise the Skill-Building Elective Choices form which students are to select 17-19 hours to add BADM 377, Project Management (3 hours) and BADM 331, Making Things (3 hours) and to remove BADM 395, Senior Research II (3 hours). There is no change to the total hours required.

B. **Graduate Programs**

1) **Applied Statistics Concentration, MS in Statistics** – update the Regression requirement to allow students to select from STAT 425, Statistical Modeling I (4 hours) or STAT 527, Advanced Regression Analysis (4 hours); remove the 0-4 hour requirement of STAT 427, Statistical Consulting (or experience in applied statistics) or STAT 593, Internship, as all students admitted to the program automatically meet this by virtue of their PhD programs; revise the elective STAT course requirement from 4 hours to 8 hours and expand the list of courses from which students may choose; update the minimum GPA

requirement to 2.75 to match other Statistics MS programs. There is no change in the total hours required.

3884: GEOGRAPHY & GEOGRAPHIC INFORMATION SCIENCE: HUMAN GEOGRAPHY, BALAS

Completed Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)

Approval Path

1. Mon, 26 Aug 2019 21:29:12 GMT
   Deb Forgacs (dforgacs): Approved for U Program Review

History

1. Jan 23, 2019 by Deb Forgacs (dforgacs)
2. May 7, 2019 by Deb Forgacs (dforgacs)
3. Aug 26, 2019 by Amy Elli (amyelli)

Date Submitted:Tue, 23 Feb 2021 21:22:14 GMT

Viewing:3884 : Geography & Geographic Information Science: Human Geography, BALAS

Changes proposed by: Amy Elli

Proposal Type

Proposal Type:

Concentration (ex. Dietetics)

This proposal is for a:

Revision

Proposal Title:

If this proposal is one piece of a multi-element change please include the other impacted programs here.*example: A BS revision with multiple concentration revisions*

Administrative approval: Revision to Geography & Geographic Information Science: Human Geography BALAS concentration elective course

EP Control Number

EP.21.073

Official Program Name

Geography & Geographic Information Science: Human Geography, BALAS

Effective Catalog Term

Fall 2021

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

Kelly Ritter

College Contact Email

ritterk@illinois.edu

Program Description and Justification

Justification for proposal change:

This proposal is to add GEOG 254 – American People, Places, and Environments as an elective course in the following degree programs:
10KV5330BALA - Geography & Geographic Information Science, BALAS, Human Geography Concentration (3884)
5887 – Geography & Geographic Information Science Minor
Human Geography concentration: GEOG 254 examines core issues in cultural, economic, and population geography as related to regional geographies and ethnic/racial population groups in the United States, and thus it fits well as an elective course in the human geography concentration.
Minor: For the same reason, we would like to add this course to the Human Geography course options in the GGIS minor.

Is this program interdisciplinary?

No

Corresponding Program(s):

Corresponding Program(s)
Geography and Geographic Information Science, BALAS

Academic Level

Undergraduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No change anticipated

What is the typical time to completion of this program?

4 years

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

120

Delivery Method

Is this program available on campus and online?

No

This program is available:

On Campus

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

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.

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 change anticipated.

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 change anticipated.

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

Financial Resources

How does the unit intend to financially support this proposal?

No change anticipated.

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

No

Program Regulation and Assessment

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

No change anticipated.

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

GEOG 254 proposal - Add to Human electives_SM.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

Statement for Programs of Study Catalog

Code	Title	Hours
200-to 400-level Geography and Geographic Information Science courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following:		25-27
GEOG 204	Cities of the World	

GEOG 205	Business Location Decisions	
GEOG 210	Social & Environmental Issues	
GEOG 224	Environmental Data Science	
GEOG 254	American People, Places, & Environments	
SOC 280	Intro to Social Statistics	
NRES/GEOG 287	Environment and Society	
GEOG 350	Sustainability and the City	
GEOG 356	Sustainable Development in South Asia	
ESE 320/GEOG 370	Water Planet, Water Crisis	
GEOG 371	Spatial Analysis	
GEOG 384	Population Geography	
GEOG 390	Individual Study	
GEOG 391	Honors Individual Study	
GEOG 405	Geography Field Course	
GEOG 410	Green Development	
GEOG 412	Geospatial Tech & Society	
LA 427	Amer Vernacular Cultural Land	
GEOG 438	Geography of Health Care	
PATH/GEOG 439	Health Applications of GIS	
UP/GEOG 446	Sustainable Planning Seminar	
GEOG 455	Geog of Sub-Saharn Africa	
GEOG 465	Transportation & Sustainability	
GEOG 466	Environmental Policy	
GEOG 471	Recent Trends in Geog Thought	
GEOG 473	Digital Cartography & Map Design	
GEOG 477	Introduction to Remote Sensing	
ESE/GEOG 482	Challenges of Sustainability	
GEOG 483	Urban Geography	
GEOG 496	Climate & Social Vulnerability	
Total Hours required for graduation		120

EP Documentation

DMI Documentation

Banner/Codebook Name

Human Geography

Program Code:

3884

Conc Code

3884

Program Reviewer Comments

Kathy Martensen (kmartens) (Wed, 03 Mar 2021 17:49:00 GMT): Administrative approval: No change to total hours, increases students' range of options.

Key: 512

ILLINOIS

Proposal for revised curricula (degree, major, concentration, minor)

Submit completed proposals via email to Associate Dean Kelly Ritter (ritterk@illinois.edu). Please obtain Executive Officer and School Director (if applicable) approval via email and forward with the proposal to LAS.

Proposal Title: Add GEOG 254 to the list of elective courses for the Human Geography BA concentration.

Proposed effective date: Fall 2021

Sponsor(s): Shaowen Wang, Professor and Department Head, shaowen@illinois.edu

College contact: Kelly Ritter, Associate Dean for Curricula and Academic Policy, College of Liberal Arts and Sciences, ritterk@illinois.edu

PROGRAM DESCRIPTION and JUSTIFICATION

1) **Provide a brief description but concise description of your proposal.**

This proposal is to add **GEOG 254 – American People, Places, and Environments** as an elective course in the following degree programs:
10KV5330BALA - Geography & Geographic Information Science, BALAS, Human Geography Concentration (3884)
5887 – Geography & Geographic Information Science Minor

2) **Provide a justification of the program**

Human Geography concentration: GEOG 254 examines core issues in cultural, economic, and population geography as related to regional geographies and ethnic/racial population groups in the United States, and thus it fits well as an elective course in the human geography concentration.

Minor: For the same reason, we would like to add this course to the Human Geography course options in the GGIS minor.

10KV5330BALA - Geography & Geographic Information Science, BALAS, Human Concentration (3884)
PROPOSED:

Only addition is adding GEOG 254 which is highlighted below

Code	Title	Hours
200-to 400-level Geography and Geographic Information Science courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following:		25-27
GEOG 204	Cities of the World	
GEOG 205	Business Location Decisions	
GEOG 210	Social & Environmental Issues	
GEOG 224	Geog Patterns of Illinois	
GEOG 254	**American People, Places, and Environments**	
SOC 280	Intro to Social Statistics	
NRES/GEOG 287	Environment and Society	
GEOG 350	Sustainability and the City	
GEOG 356	Sustainable Development in South Asia	
ESE 320/GEOG 370	Water Planet, Water Crisis	
GEOG 371	Spatial Analysis	
GEOG 384	Population Geography	
GEOG 390	Individual Study	
GEOG 391	Honors Individual Study	
GEOG 405	Geography Field Course	
GEOG 410	Green Development	
GEOG 412	Geospatial Tech & Society	
LA 427	Amer Vernacular Cultural Land	
GEOG 438	Geography of Health Care	
PATH/GEOG 439	Health Applications of GIS	
UP/GEOG 446	Sustainable Planning Seminar	
GEOG 455	Geog of Sub-Saharn Africa	
GEOG 465	Transportation & Sustainability	
GEOG 466	Environmental Policy	
GEOG 471	Recent Trends in Geog Thought	
GEOG 473	Digital Cartography & Map Design	
GEOG 477	Introduction to Remote Sensing	
ESE/GEOG 482	Challenges of Sustainability	

Code	Title	Hours
GEOG 483	Urban Geography	
GEOG 496	Climate & Social Vulnerability	

Geography & GIScience Minor (Banner Code 5587)
PROPOSED:

Only addition is adding GEOG 254 which is highlighted below

Two courses selected from the following:

ATMS/GEOG 100	Introduction to Meteorology
GEOG 101	Global Development & Environment
GEOG 103	Earth's Physical Systems
GEOG 104	Social and Cultural Geography
GEOG 105	The Digital Earth
GEOG 106	Geographies of Globalization
GEOG 221	Geographies of Global Conflict

One course in human geography, selected from the following: 3

GEOG 204	Cities of the World
GEOG 205	Business Location Decisions
GEOG 224	Geog Patterns of Illinois
GEOG 254	American People, Places, and Environments
GEOG 350	Sustainability and the City
GEOG 356	Sustainable Development in South Asia
GEOG 384	Population Geography
GEOG 405	Geography Field Course
GEOG 410	Green Development
GEOG 438	Geography of Health Care
GEOG 455	Geog of Sub-Saharn Africa
GEOG 465	Transportation & Sustainability
GEOG 466	Environmental Policy
GEOG 471	Recent Trends in Geog Thought
GEOG 483	Urban Geography
GEOG 484	Cities, Crime, and Space

One course in physical/environmental geography, selected from the following: 3

GEOG 210	Social & Environmental Issues
GEOG 222	Big Rivers of the World
ESE 320	Water Planet, Water Crisis
NRES/GEOG 401	Watershed Hydrology
GEOG 405	Geography Field Course
GEOG 406	Fluvial Geomorphology
GEOG 408	Humans and River Systems
GEOG 412	Geospatial Tech & Society

GEOG 459	Ecohydraulics	
GEOG 496	Climate & Social Vulnerability	
One course in geographic information science, selected from the following:		3
GEOG 371	Spatial Analysis	
GEOG 379	Intro to GIS Systems	
GEOG 380	GIS II: Spatial Prob Solving	
GEOG 412	Geospatial Tech & Society	
GEOG 440	Business Applications of GIS	
PATH 439	Health Applications of GIS	
GEOG 460	Aerial Photo Analysis	
GEOG 468	Biological Modeling	
GEOG 473	Digital Cartography & Map Design	
GEOG 476	Applied GIS to Environ Studies	
GEOG 477	Introduction to Remote Sensing	
GEOG 478	Techniques of Remote Sensing	
GEOG 479	Advanced Topics in GIS	
GEOG 480	Principles of GIS	
One 200-400 level course selected from any of the above.		3
Total Hours		18

At least 6 hours total must be at the 300 or 400 level.

ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Proposal to the Senate Educational Policy Committee

PROPOSAL TITLE: Revise Existing Bachelor of Arts (BALAS) in Geography and Geographic Information Science within the Department of Geography and GIS, College of Liberal Arts and Sciences

SPONSOR: Julie Cidell, Associate Professor, Department of Geography and GIS: jcidell@illinois.edu, 244-4665.

COLLEGE CONTACT: Kelly Ritter, Associate Dean for Curricula and Academic Policy, College of Liberal Arts and Sciences, ritterk@illinois.edu, 333-1350

BRIEF DESCRIPTION: The undergraduate degree in Geography and GIS is currently a BALAS with four concentrations. We are proposing to maintain two concentrations under the BALAS (General Geography and Human Geography) and move two concentrations to a new degree, a BSLAS (Geographic Information Science and Physical Geography), which we submit in a separate, but connected, proposal.

JUSTIFICATION: We currently offer four concentrations in our BALAS.: General Geography, Human Geography, Physical Geography, and Geographic Information Science. As a federally-designated STEM field (CIP Code 45.0702), geographic information science (GIS) is more suited to a B.S. degree than a B.A. Similarly, physical geography is a physical science, and similar majors on campus such as NRES, Geology, and ESES offer B.S. degrees. Discussions with current and potential majors have indicated that they are reluctant to choose a science major as a B.A. degree because of their perception that it will not be as valuable to future employers as a B.S. degree. Similarly, certain opportunities exist for students in STEM disciplines (for example, programs for women in STEM) that are not currently available to Geography & GIS majors due to the lack of a B.S. degree. Moreover, for international students, a STEM degree offers enhanced employment and visa possibilities. We therefore anticipate that moving our GIS and physical geography concentrations to a new BSLAS degree would more accurately reflect the nature of these degree programs. As an inherently interdisciplinary discipline, geography includes both social and physical sciences, and we will continue to require courses in both from our majors. We are not proposing changes in the BALAS degree requirements, only moving the geographic information science or physical geography tracks of the existing Geography & GIS to a separate, new BSLAS degree.

(Note: we surveyed the geography departments of 25 major state universities across the U.S. and 6 state universities within Illinois. Of these, 18 offer both a B.A. and B.S., and all but one have the same degree name for both. We therefore would like to keep the name of the degree as "Geography and Geographic Information Science" for both the B.A. and the B.S., in keeping with common practice in our discipline.)

BUDGETARY AND STAFF IMPLICATIONS:

1) Resources
      a. How does the unit intend to financially support this proposal?

We will support this proposal with our existing resources, as we are merely moving two of our existing concentrations in the BALAS to a new degree designated as BALAS.

      b. 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?

We will support this proposal with our existing resources, as we are merely moving two of our existing concentrations in the BALAS to a new degree designated as BALAS.

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

The Department does not need additional campus or other external resources.

      d. Please provide a letter of acknowledgment from the college that outlines the financial arrangements for the proposed program.

There will be no financial arrangements from the College of LAS needed for this revision of the degree.

2) Resource Implications
      a. Please address the impact on faculty resources including the changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

We will support this proposal with our existing resources, as we are merely moving two of our existing concentrations in the BALAS to a new degree designated as BALAS.

      b. Please address the impact on course enrollment in other units and provide an explanation of discussions with representatives of those units.

There are no anticipated impacts on course enrollment in other units.

      c. Please address the impact on the University Library

N/A

      d. Please address the impact on technology and space (e.g. computer use, laboratory use, equipment, etc.)

None.

DESIRED EFFECTIVE DATE: Fall 2018

STATEMENT FOR ACADEMIC CATALOG for BALAS (no change in requirements, removing 2 concentrations from the current BALAS)

BALAS in Geography and Geographic Information Science

BALAS in Geography and Geographic Information Science is designed for students who are most interested in the social science side of geography. Students must choose one concentration: General Geography or Human Geography.

General Geography Concentration

For the Degree of Bachelor of Arts in Liberal Arts and Sciences

Major in Sciences and Letters Curriculum

E-mail: geography@illinois.edu

A minimum of 35 credit hours of Geography and Geographic Information Science courses are required for the major.

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

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

A Major Plan of Study Form must be completed and submitted to the LAS Student Affairs Office before the end of the fifth semester (60-75 hours). Please see your advisor.

Minimum hours required for graduation: 120 hours

Departmental distinction: Students majoring in Geography and Geographic Information Science can earn distinction, high distinction, and highest distinction upon graduation. The requirements for these awards are:
For distinction: 3.3 GPA overall; 3.3 GPA in GGIS courses.
For high distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses.
For highest distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses; satisfactorily complete an independent project (GEOG 391).
Students should consult their advisors regarding distinction requirements as soon as they enter the major (no later than the end of their junior year).

		Hours
Geography and Geographic Information Science Core Requirements		
Select one of the following:		3-4
ATMS/GEOG 100	Introduction to Meteorology	
GEOG 103	Earth's Physical Systems	
GEOG 222	Big Rivers of the World	
Select one of the following:		3-4

		Hours
GEOG 101	Global Development&Environment	
GEOG 104	Social and Cultural Geography	
GEOG 105	The Digital Earth	
GEOG 106	Geographies of Globalization	
GEOG 210	Social & Environmental Issues	
GEOG 221	Geographies of Global Conflict	
Select one of the following:		4
GEOG 371	Spatial Analysis	
GEOG 379	Intro to GIS Systems	
General Geography Concentration Requirements		
Geography and Geographic Information Science courses, selected from 200- to 400-level courses, of which 6 hours must be at the 300 or 400 level		25-27
Total Hours		35-39

Human Geography Concentration

For the Degree of Bachelor of Arts in Liberal Arts and Sciences

Major in Sciences and Letters Curriculum
E-mail: geograph@illinois.edu

A minimum of 35 credit hours of Geography and Geographic Information Science courses are required for the major.

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

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

A Major Plan of Study Form must be completed and submitted to the LAS Student Affairs Office before the end of the fifth semester (60-75 hours). Please see your advisor.

Minimum hours required for graduation: 120 hours

Departmental distinction: Students majoring in Geography and Geographic Information Science can earn distinction, high distinction, and highest distinction upon graduation. The requirements for these awards are:
For distinction: 3.3 GPA overall; 3.3 GPA in GGIS courses.
For high distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses.
For highest distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses; satisfactorily complete an independent project (GEOG 391).
Students should consult their advisors regarding distinction requirements as soon as they enter the major (no later than the end of their junior year).

		Hours
Geography and Geographic Information Science Core Requirements		
Select one of the following:		3-4
ATMS/GEOG 100	Introduction to Meteorology	
GEOG 103	Earth's Physical Systems	
GEOG 222	Big Rivers of the World	
Select one of the following:		3-4
GEOG 101	Global Development&Environment	
GEOG 104	Social and Cultural Geography	
GEOG 105	The Digital Earth	
GEOG 106	Geographies of Globalization	
GEOG 210	Social & Environmental Issues	
GEOG 221	Geographies of Global Conflict	
Select one of the following:		4
GEOG 371	Spatial Analysis	
GEOG 379	Intro to GIS Systems	
Human Geography Concentration Requirements		
200-to 400-level Geography and Geographic Information Science courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following:		25-27
GEOG 204	Cities of the World	
GEOG 205	Business Location Decisions	
GEOG 210	Social & Environmental Issues	
GEOG 215	Resource Conflicts	
GEOG 224	Geog Patterns of Illinois	
SOC 280	Intro to Social Statistics	
NRES/GEOG 287	Environment and Society	
GEOG 310	Political Geography	
GEOG 350	Sustainability and the City	
GEOG 356	Sustainable Development in South Asia	
ESE 320/GEOG 370	Water Planet, Water Crisis	
GEOG 371	Spatial Analysis	
GEOG 373	Geography Field Course	
GEOG 381	Environmental Perspectives	
GEOG 384	Population Geography	
GEOG 390	Individual Study	
GEOG 391	Honors Individual Study	
GEOG 394	Special Topics Social Geog	
GEOG 410	Green Development	
GEOG 412	Geospatial Tech & Society	
LA 427	Amer Vernacular Cultural Land	
GEOG 438	Geography of Health Care	

		Hours
PATH/GEOG 439	Health Applications of GIS	
UP/GEOG 446	Sustainable Planning Seminar	
GEOG 455	Geog of Sub-Saharn Africa	
GEOG 465	Transp and Sustainability	
GEOG 466	Environmental Policy	
GEOG 471	Recent Trends in Geog Thought	
GEOG 473	Digital Cartography & Map Design	
GEOG 477	Introduction to Remote Sensing	
GEOG 481	Intl Environ Cooperation	
ESE/GEOG 482	Challenges of Sustainability	
GEOG 483	Urban Geography	
GEOG 493	Democracy and Environment	
GEOG 496	Climate & Social Vulnerability	
Total Hours		35-39

CLEARANCES:
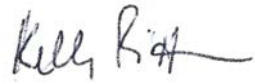
Signatures:

[signature]

_____   _September 21, 2017_____

Unit Representative: Date:

[signature]

                                                                                    February 7, 2018

_____   _____

College Representative: Date:

Appendix A
Comparative Table of Proposed Revisions

Current Degree	Current Hours	Proposed Degree	Proposed Hours
BALAS in Geography and Geographic Information Science-Students choose one of the following four concentrations:		BALAS in Geography and Geographic Information Science-Students choose one of the following two concentrations:	
General Geography Concentration	35-39 hours	General Geography Concentration	35-39 hours
Human Geography Concentration	35-39 hours	Human Geography Concentration	35-39 hours
Geographic Information Science Concentration	36-42 hours		
Physical Geography Concentration	47-53 hours		

Overview Tab for the Department of Geography and Geographic Information Science

Shaowen Wang, Department Head
2042 Natural History Building
1301 W. Green Street
Urbana, IL 61801
PH: (217) 333-1880
http://geog.illinois.edu

The Department of Geography and Geographic Information Science offers two undergraduate majors in keeping with the interdisciplinary nature of the discipline of geography, incorporating physical science, social science, and technology.

BALAS in Geography and Geographic Information Science is designed for students who are most interested in the social science side of geography. Students must choose one concentration: General Geography or Human Geography.

The General Geography concentration allows students to integrate social science, physical science, and technology in their study of how humans use the Earth's surface. Majors in the General Geography concentration can sample courses from different subfields of geography without having to choose one specialty of the discipline. Upon completion, the students are prepared for diverse employment opportunities, or further studies in a geography graduate program.

The Human Geography concentration allows students to specialize in the social science aspect of modern geography. The curriculum includes the systematic study of human social organization and its environmental consequences. Employment opportunities for human geographers include urban and regional planning, transportation, marketing, real estate, tourism, and international business.

BSLAS in Geography and Geographic Information Science is designed for students who are most interested in the physical science and/or technological side of geography. Students must choose one concentration: Geographic Information Science or Physical Science.

The Geographic Information Science (GIS) concentration emphasizes the creation, use and analysis of digital geographic information to examine economic, environmental, physical and social phenomena. The GIS concentration provides students with in-depth training in contemporary software packages to prepare them for careers in the field. There is growing demand for professional knowledge of the earth's systems and the use of geographic information systems to enhance business, protect the environment and

manage the massive amounts of spatial data now widely available on the internet. The U.S. Department of Labor has identified geospatial technologies as one of the fastest-growing domestic job sectors.

The Physical Geography concentration examines the earth sciences including patterns of climates, land-forms, vegetation, soils, and water. Graduates of our physical geography concentration will be equipped for careers in infrastructure development, land and water resources management, and surveying.

The department also offers a **minor in Geography & GIS** that exposes students to a comprehensive selection of courses embracing our three broad areas of study: human geography, physical/environmental geography, and geographic information science.

 Majors Tab

For the Degree of Bachelor of Science in Liberal Arts and Sciences

Major in Sciences and Letters Curriculum

E-mail: geography@illinois.edu

Students select one concentration in consultation with our academic advisor. Email: ggis-advisor@illinois.edu.

- Geographic Information Science Concentration
- Physical Geography Concentration

For the Degree of Bachelor of Arts in Liberal Arts and Sciences

Major in Sciences and Letters Curriculum

E-mail: geography@illinois.edu

Students select one concentration in consultation with our academic advisor. Email: ggis-advisor@illinois.edu.

- General Geography Concentration
- Human Geography Concentration

Proposal to the Senate Educational Policy Committee

PROPOSAL TITLE: Establish A New Bachelor of Science in Liberal Arts and Sciences (BSLAS) in Geography and Geographic Information Science in the Department of Geography and GIS, College of Liberal Arts and Sciences

SPONSOR: Julie Cidell, Associate Professor, Department of Geography and GIS: jcidell@illinois.edu, 244-4665.

COLLEGE CONTACT: Kelly Ritter, Associate Dean for Curricula and Academic Policy, College of Liberal Arts and Sciences, ritterk@illinois.edu, 333-1350

BRIEF DESCRIPTION: The undergraduate degree in Geography and GIS is currently a B.A. with four concentrations. We are proposing to maintain two concentrations under the B.A. (General Geography and Human Geography) and move two concentrations to a new B.S. degree (Geographic Information Science and Physical Geography).

JUSTIFICATION: We currently offer four concentrations in our B.A.: General Geography, Human Geography, Physical Geography, and Geographic Information Science. As a federally-designated STEM field (CIP Code 45.0702), geographic information science (GIS) is more suited to a B.S. degree than a B.A. Similarly, physical geography is a physical science, and similar majors on campus such as NRES, Geology, and ESES offer B.S. degrees. Discussions with current and potential majors have indicated that they are reluctant to choose a science major as a B.A. degree because of their perception that it will not be as valuable to future employers as a B.S. degree. Similarly, certain opportunities exist for students in STEM disciplines (for example, programs for women in STEM) that are not currently available to Geography & GIS majors due to the lack of a B.S. degree. Moreover, for international students, a STEM degree offers enhanced employment and visa possibilities. We therefore anticipate that moving our GIS and physical geography concentrations to a new B.S. degree would increase our majors in both, making better use of existing resources within our department and college. General degree requirements remain the same; we are proposing only the designation of the degree as a Bachelor's of Science instead of a Bachelor's of Arts for students who complete the Geographic Information Science or Physical Geography concentrations of the existing Geography & Geographic Information Science degree.

BUDGETARY AND STAFF IMPLICATIONS:

1) Resources
      a. How does the unit intend to financially support this proposal?

We will support this proposal with our existing resources, as we are merely moving two of our existing concentrations in the B.A. to a new degree designated as B.S.

      b. 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?

Currently, we have capacity in our GIS and physical geography classes to accommodate additional students if enrollment increases.

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

Not at this time.

      d. Please provide a letter of acknowledgment from the college that outlines the financial arrangements for the proposed program.

No financial arrangements are necessary.

2) Resource Implications
      a. Please address the impact on faculty resources including the changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

We do not anticipate a need for new faculty resources as we are moving existing concentrations to their own major. Should we experience an increase in majors as a result, we currently have excess capacity in most of our physical geography and GIS classes. Upper-division GIS classes may be limited to majors if it becomes necessary, as other departments do.

      b. Please address the impact on course enrollment in other units and provide an explanation of discussions with representatives of those units.

There are no anticipated impacts on course enrollment in other units.

      c. Please address the impact on the University Library

There are no anticipated impacts on the University Library.

      d. Please address the impact on technology and space (e.g. computer use, laboratory use, equipment, etc.)

The renovated Natural History Building includes new lab space for both physical geography and GIS courses. There is also a computer lab for majors to use in completing homework assignments or working on projects. These spaces should suffice for existing and additional majors.

For new degree programs only:

3) Briefly describe how this program will support the University's mission, focus, and/or current priorities. Include specific objectives and measurable outcomes that demonstrate the program's consistency with and centrality to that mission.

As we are moving existing concentrations to a new major, we anticipate no changes in how this program fits the University's mission and focus. By creating a B.S. degree, we are supporting the University's current priority of promoting STEM research and training, and enhancing education in sustainability, energy, and the environment for both our physical geography and geographic information science students.

4) Please provide an analysis of the market demand for this degree program. What market indicators are driving this proposal? What type of employment outlook should these graduates expect? What resources will be provided to assist students with job placement?

The Bureau of Labor Statistics estimates that Cartography & Photogrammetry (the closest category to Geographic Information Science) is expected to grow at 29% per year, more than double the rate of computer and information technology occupations more broadly. The use of GIS is rapidly growing within fields from health care to natural resource management to marketing. Similarly, while there is no BLS category for Physical Geography, Environmental Scientists, Geoscientists, and Hydrologists, all of which are careers our B.S. degree would prepare students for, are expected to see job growth at above average rates. Students have expressed their concern to us that a B.A. in GIS is not as attractive to potential employers in these science fields as a B.S., which is one of our main reasons for proposing this new degree. Our resources for job and internship placement include faculty advising, reaching out to alumni, and workshops conducted with the Career Center.

5) If this is a proposed graduate program, please discuss the programs intended use of waivers. If the program is dependent on waivers, how will the unit compensate for lost tuition revenue?

N/A

DESIRED EFFECTIVE DATE: Fall 2018

STATEMENT FOR PROGRAMS OF STUDY CATALOG: *(All proposals must include either a new or revised version of the entry in the Programs of Study Catalog, if applicable. Entries will be published as approved by the Senate. Future changes in the statement for Programs of Study Catalog which reflect changes in the curriculum, must go through the normal review process at the appropriate levels.)*

The description of the Physical Geography and GIS concentrations will not change from the existing ones except to say "Bachelor of Science" instead of "Bachelor of Arts".

STATEMENT FOR ACADEMIC CATALOG for BSLAS:

BSLAS in Geography and Geographic Information Science

BSLAS in Geography and Geographic Information Science is designed for students who are most interested in the physical science and/or technological side of geography. Students must choose one concentration: Geographic Information Science or Physical Geography.

Geographic Information Science Concentration

For the Degree of Bachelor of Science in Liberal Arts and Sciences

Major in Sciences and Letters Curriculum
E-mail: geography@illinois.edu
A minimum of 36 credit hours of Geography and Geographic Information Science courses are required for the major.

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

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

A Major Plan of Study Form must be completed and submitted to the LAS Student Affairs Office before the end of the fifth semester (60-75 hours). Please see your advisor.

Minimum hours required for graduation: 120 hours

Departmental distinction: Students majoring in Geography and Geographic Information Science can earn distinction, high distinction, and highest distinction upon graduation. The requirements for these awards are:
For distinction: 3.3 GPA overall; 3.3 GPA in GGIS courses.
For high distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses.
For highest distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses; satisfactorily complete an independent project (GEOG 391).
Students should consult their advisors regarding distinction requirements as soon as they enter the major (no later than the end of their junior year).

		Hours
Geography and Geographic Information Science Core Requirements		
Select one of the following:		3-4
ATMS/GEOG 100	Introduction to Meteorology	
GEOG 103	Earth's Physical Systems	
GEOG 222	Big Rivers of the World	

		Hours
Select one of the following:		3-4
GEOG 101	Global Development&Environment	
GEOG 104	Social and Cultural Geography	
GEOG 105	The Digital Earth	
GEOG 106	Geographies of Globalization	
GEOG 210	Social & Environmental Issues	
GEOG 221	Geographies of Global Conflict	
GEOG 379	Intro to GIS Systems	4
Geographic Information Science Concentration Requirements		
GEOG 371	Spatial Analysis	4
GEOG 380	GIS II: Spatial Prob Solving	4
Select one of the following courses:		3
CS 105	Intro Computing: Non-Tech	
CS 125	Intro to Computer Science	
or equivalent course approved by the Department's Advisor		
Select a minimum of three courses from the following:		9-11
GEOG 205	Business Location Decisions	
SOC 280	Intro to Social Statistics	
GEOG 412	Geospatial Tech & Society	
ATMS/GEOG 421	Earth Systems Modeling	
PATH/GEOG 439	Health Applications of GIS	
GEOG 460	Aerial Photo Analysis	
GEOG 468	Biological Modeling	
GEOG 473	Digital Cartography & Map Design	
GEOG 476	Applied GIS to Environ Studies	
GEOG 477	Introduction to Remote Sensing	
GEOG 478	Techniques of Remote Sensing	
GEOG 479	Advanced Topics in GIS	
GEOG 480	Principles of GIS	
GEOG 489	Programming for GIS	
Select two additional Geography and Geographic Information Science courses from the Human Geography Concentration and/or Physical Geography Concentration course lists		6-8
Total Hours		36-42

Physical Geography Concentration

For the Degree of Bachelor of Science in Liberal Arts and Sciences

Major in Sciences and Letters Curriculum
E-mail: geograph@illinois.edu

A minimum of 35 credit hours of Geography and Geographic Information Science courses are required for the major.

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

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

A Major Plan of Study Form must be completed and submitted to the LAS Student Affairs Office before the end of the fifth semester (60-75 hours). Please see your advisor.

Minimum hours required for graduation: 120 hours

Departmental distinction: Students majoring in Geography and Geographic Information Science can earn distinction, high distinction, and highest distinction upon graduation. The requirements for these awards are:
For distinction: 3.3 GPA overall; 3.3 GPA in GGIS courses.
For high distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses.
For highest distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses; satisfactorily complete an independent project (GEOG 391).
Students should consult their advisors regarding distinction requirements as soon as they enter the major (no later than the end of their junior year).

		Hours
Geography and Geographic Information Science Core Requirements:		
Select one of the following:		3-4
ATMS 100	Introduction to Meteorology	
GEOG 103	Earth's Physical Systems	
GEOG 222	Big Rivers of the World	
Select one of the following:		3-4
GEOG 101	Global Development & Environment	
GEOG 104	Social and Cultural Geography	
GEOG 105	The Digital Earth	
GEOG 106	Geographies of Globalization	
GEOG 210	Social & Environmental Issues	
GEOG 221	Geographies of Global Conflict	
Select one of the following:		4
GEOG 371	Spatial Analysis	
GEOG 379	Intro to GIS Systems	
Physical Geography Concentration Requirements:		
200- to 400-level Geography and Geographic Information Science courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following:		25-27
GEOG 210	Social & Environmental Issues	
GEOG 222	Big Rivers of the World	
ESE 320/GEOG 370	Water Planet, Water Crisis	
NRES/GEOG 287	Environment and Society	

		Hours
GEOG 371	Spatial Analysis	
GEOG 373	Geography Field Course	
GEOG 381	Environmental Perspectives	
GEOG 390	Individual Study	
GEOG 391	Honors Individual Study	
NRES/GEOG 401	Watershed Hydrology	
GEOG 406	Fluvial Geomorphology	
GEOG 408	Humans and River Systems	
GEOG 412	Geospatial Tech & Society	
ATMS/GEOG 421	Earth Systems Modeling	
IB 439/GEOG 436	Biogeography	
GEOG 460	Aerial Photo Analysis	
GEOG 468	Biological Modeling	
GEOG 471	Recent Trends in Geog Thought	
GEOG 473	Digital Cartography & Map Design	
GEOG 476	Applied GIS to Environ Studies	
GEOG 477	Introduction to Remote Sensing	
GEOG 478	Techniques of Remote Sensing	
GEOG 481	Intl Environ Cooperation	
MATH 220	Calculus	4-5
or MATH 221	Calculus I	
PHYS 101	College Physics: Mech & Heat	4-5
or PHYS 211	University Physics: Mechanics	
Select one of the following:		4
CHEM 102 & CHEM 103	General Chemistry I and General Chemistry Lab I	
CHEM 104 & CHEM 105	General Chemistry II and General Chemistry Lab II	
Total Hours		47-53

CLEARANCES: *(Clearances should include signatures and dates of approval. **These signatures must appear on a separate sheet.** If multiple departments or colleges are sponsoring the proposal, please add the appropriate signature lines below.)*
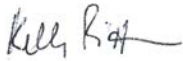
Signatures:

_____   _September 21, 2017_____
Unit Representative: Date:

_____   _February 12, 2018_
College Representative: Date:

_____   _____
Graduate College Representative: Date:

_____   _____
Council on Teacher Education Representative: Date:

Appendix A:
(Proposed Curriculum Revisions)

Current Requirements:	Current Hours
BALAS in Geography and GIS—four concentrations:	
General Geography concentration	35-39 Hours
Human Geography concentration	35-39 Hours
Physical Geography concentration	47-53 Hours
Geographic Information Science concentration	36-42 Hours

Revised Requirements:				
BALAS in Geography and GIS—two concentrations:		*BSLAS in Geography and GIS—two concentrations:*		
General Geography concentration	35-39 Hours	Physical Geography concentration		47-53 Hours
Human Geography concentration	35-39 Hours	Geographic Information Science concentration		36-42 Hours

Appendix B
Entries for Overview and Major tab in the Academic Catalog for the Department of
Geography and Geographic Information Science

Overview Tab for the Department of Geography and Geographic Information Science

Shaowen Wang, Department Head
2042 Natural History Building
1301 W. Green Street
Urbana, IL 61801
PH: (217) 333-1880
http://geog.illinois.edu

The Department of Geography and Geographic Information Science offers two undergraduate majors in keeping with the interdisciplinary nature of the discipline of geography, incorporating physical science, social science, and technology.

BALAS in Geography and Geographic Information Science is designed for students who are most interested in the social science side of geography. Students must choose one concentration: General Geography or Human Geography.

The General Geography concentration allows students to integrate social science, physical science, and technology in their study of how humans use the Earth's surface. Majors in the General Geography concentration can sample courses from different subfields of geography without having to choose one specialty of the discipline. Upon completion, the students are prepared for diverse employment opportunities, or further studies in a geography graduate program.

The Human Geography concentration allows students to specialize in the social science aspect of modern geography. The curriculum includes the systematic study of human social organization and its environmental consequences. Employment opportunities for human geographers include urban and regional planning, transportation, marketing, real estate, tourism, and international business.

BSLAS in Geography and Geographic Information Science is designed for students who are most interested in the physical science and/or technological side of geography. Students must choose one concentration: Geographic Information Science or Physical Science.

The Geographic Information Science (GIS) concentration emphasizes the creation, use and analysis of digital geographic information to examine economic, environmental, physical and social phenomena. The GIS concentration provides students with in-depth training in contemporary software packages to prepare them for careers in the field. There is growing demand for professional knowledge of the earth's systems and the use of

geographic information systems to enhance business, protect the environment and manage the massive amounts of spatial data now widely available on the internet. The U.S. Department of Labor has identified geospatial technologies as one of the fastest-growing domestic job sectors.

The Physical Geography concentration examines the earth sciences including patterns of climates, land-forms, vegetation, soils, and water. Graduates of our physical geography concentration will be equipped for careers in infrastructure development, land and water resources management, and surveying.

The department also offers a **minor in Geography & GIS** that exposes students to a comprehensive selection of courses embracing our three broad areas of study: human geography, physical/environmental geography, and geographic information science.

Majors Tab

For the Degree of Bachelor of Science in Liberal Arts and Sciences

Major in Sciences and Letters Curriculum

E-mail: geography@illinois.edu

Students select one concentration in consultation with our academic advisor. Email: ggis-advisor@illinois.edu.

- Geographic Information Science Concentration
- Physical Geography Concentration

For the Degree of Bachelor of Arts in Liberal Arts and Sciences

Major in Sciences and Letters Curriculum

E-mail: geography@illinois.edu

Students select one concentration in consultation with our academic advisor. Email: ggis-advisor@illinois.edu.

- General Geography Concentration
- Human Geography Concentration

University Library

Office of University Librarian
and Dean of Libraries
230 Main Library, MC-522
1408 West Gregory Drive
Urbana, IL 61801

January 4, 2018

Kelly Ritter
Associate Dean for Curricula and Academic Policy
College of Liberal Arts and Sciences
702 South Wright St., MC – 448

Dear Prof. Ritter:

Shortly before break, the University Library received a proposal from LAS to establish a BSLAS in Geography and GIS by moving two existing concentrations from the current BALAS in Geography and GIS to the new BSLAS. The requirements of the concentrations were not changing.

Based upon the documents we received and reviewed, it is our belief that there will be no significant impact on collection development, instruction, or other operations in the University Library.

If additional services or materials are required as the programs further develop, we will be happy to discuss those needs as they emerge.

Sincerely,

William H. Mischo
Interim Dean of Libraries and University Librarian

e-c: Amy Lawrence Elli
        Beth Sheehan
        Thomas Teper
        James Whitacre

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Office of the Provost and Vice Chancellor for Academic
Affairs

Swanlund Administration Building
601 East John Street
Champaign, IL 61820

February 7, 2018

Gay Miller, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Miller:

Enclosed is a copy of a request from the College of Liberal Arts and Sciences to:

1) Revise the BALAS in Geography and Geographic Information Science (GIS);
2) Establish the BSLAS in Geography and GIS.

Sincerely,

Kathryn A. Martensen
Assistant Provost

Enclosures

c: K. Ritter
     J. Cidell
     S. Wang
     A Edwards
     E. Stuby
     A. Elli

COLLEGE OF LIBERAL ARTS & SCIENCES

Office of the Dean
2090 Lincoln Hall
702 S. Wright St.
Urbana, IL 61801

February 7, 2018

Kathryn Martensen
Associate Provost
Office of the Provost and Vice Chancellor for Academic Affairs
207 Swanlund Administration Building
MC-304

Dear Kathy:

   The Committee on Courses and Curricula on behalf of the Faculty of the College of Liberal Arts and Sciences has voted to approve the following proposal:

Establish A BSLAS in Geography and GIS and Revise Existing BALAS in Geography and GIS within the Department of Geography and GIS, College of Liberal Arts and Sciences

This proposal is now ready for review by the Senate Educational Policy Committee for proposed implementation in Fall 2018.

Sincerely,

Kelly Ritter
Associate Dean

enclosures
C: Professor Julie Cidell
       Professor Shaowen Wang

5587: GEOGRAPHY & GEOGRAPHIC INFORMATION SCIENCE MINOR, UG

Completed Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)

Approval Path

1. Mon, 26 Aug 2019 21:41:50 GMT
   Deb Forgacs (dforgacs): Approved for U Program Review

History

1. Aug 26, 2019 by Amy Elli (amyelli)

Date Submitted:Tue, 23 Feb 2021 21:21:34 GMT

Viewing:5587 : Geography & Geographic Information Science Minor, UG

Changes proposed by: Amy Elli

Proposal Type

Proposal Type:

Minor (ex. European Union Studies)

This proposal is for a:

Revision

Proposal Title:

If this proposal is one piece of a multi-element change please include the other impacted programs here.*example: A BS revision with multiple concentration revisions*

Administrative approval: Revision to Geography & Geographic Information Science Minor

EP Control Number

EP.21.073

Official Program Name

Geography & Geographic Information Science Minor, UG

Effective Catalog Term

Fall 2021

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

Kelly Ritter

College Contact Email

ritterk@illinois.edu

Program Description and Justification

Justification for proposal change:

This proposal is to add GEOG 254 – American People, Places, and Environments as an elective course in the following degree programs:
10KV5330BALA - Geography & Geographic Information Science, BALAS, Human Geography Concentration (3884)
5887 - Geography & Geographic Information Science Minor
Human Geography concentration: GEOG 254 examines core issues in cultural, economic, and population geography as related to regional geographies and ethnic/racial population groups in the United States, and thus it fits well as an elective course in the human geography concentration.
Minor: For the same reason, we would like to add this course to the Human Geography course options in the GGIS minor.

Is this program interdisciplinary?

No

Is this minor?

A Comprehensive study in a single discipline

Academic Level

Undergraduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Enrollment

Will the department limit enrollment to the minor?

No

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

No impact anticipated.

Are there any prerequisites for the proposed minor?

No

Describe how this revision will impact enrollment and degrees awarded.

No impact anticipated.

What is the typical time to completion of this program?

N/A

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

18

Delivery Method

Is this program available on campus and online?

No

This program is available:

On Campus

Other than certification via the students' degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?

No

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

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.

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 anticipated.

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

Financial Resources

How does the unit intend to financially support this proposal?

No impact anticipated.

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

No

Program Regulation and Assessment

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

No impact anticipated.

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

No

Program of Study

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

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

Yes

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

Revised programs

GEOG 254 proposal - Add to Human electives_SM.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

Statement for Programs of Study Catalog

Code	Title	Hours
Two courses selected from the following:		6
ATMS/GEOG 100	Introduction to Meteorology	
GEOG 101	Global Development&Environment	
GEOG 103	Earth's Physical Systems	
GEOG 104	Social and Cultural Geography	
GEOG 105	The Digital Earth	
GEOG 106	Geographies of Globalization	
GEOG 221	Geographies of Global Conflict	
One course in human geography, selected from the following:		3
GEOG 204	Cities of the World	
GEOG 205	Business Location Decisions	
GEOG 224	Environmental Data Science	
GEOG 254	American People, Places, & Environments	
GEOG 350	Sustainability and the City	
GEOG 356	Sustainable Development in South Asia	
GEOG 384	Population Geography	
GEOG 405	Geography Field Course	
GEOG 410	Green Development	
GEOG 438	Geography of Health Care	
GEOG 455	Geog of Sub-Saharn Africa	
GEOG 465	Transportation & Sustainability	
GEOG 466	Environmental Policy	
GEOG 471	Recent Trends in Geog Thought	
GEOG 483	Urban Geography	
GEOG 484	Cities, Crime, and Space	
One course in physical/environmental geography, selected from the following:		3
GEOG 210	Social & Environmental Issues	
GEOG 222	Big Rivers of the World	
ESE 320	Water Planet, Water Crisis	
NRES/GEOG 401	Watershed Hydrology	
GEOG 405	Geography Field Course	
GEOG 406	Fluvial Geomorphology	
GEOG 408	Humans and River Systems	
GEOG 412	Geospatial Tech & Society	
GEOG 459	Ecohydraulics	
GEOG 496	Climate & Social Vulnerability	
One course in geographic information science, selected from the following:		3
GEOG 371	Spatial Analysis	
GEOG 379	Intro to GIS Systems	
GEOG 380	GIS II: Spatial Prob Solving	
GEOG 412	Geospatial Tech & Society	
GEOG 440	Business Applications of GIS	

PATH 439	Health Applications of GIS	
GEOG 460	Aerial Photo Analysis	
GEOG 468	Biological Modeling	
GEOG 473	Digital Cartography & Map Design	
GEOG 476	Applied GIS to Environ Studies	
GEOG 477	Introduction to Remote Sensing	
GEOG 478	Techniques of Remote Sensing	
GEOG 479	Advanced Topics in GIS	
GEOG 480	Principles of GIS	
One 200-400 level course selected from any of the above.		3
Total Hours		18

At least 6 hours total must be at the 300 or 400 level.

EP Documentation

DMI Documentation

Banner/Codebook Name

Geography & Geographic Information Science

Program Code:

5587

Minor Code

5587

Program Reviewer Comments

Kathy Martensen (kmartens) (Wed, 03 Mar 2021 17:50:02 GMT): Admin approval: No change to total hours, doesn't restrict student choice.

Key: 489

Proposal for revised curricula (degree, major, concentration, minor)

Submit completed proposals via email to Associate Dean Kelly Ritter (ritterk@illinois.edu). Please obtain Executive Officer and School Director (if applicable) approval via email and forward with the proposal to LAS.

Proposal Title: Add GEOG 254 to the list of elective courses for the Human Geography BA concentration.

Proposed effective date: Fall 2021

Sponsor(s): Shaowen Wang, Professor and Department Head, shaowen@illinois.edu

College contact: Kelly Ritter, Associate Dean for Curricula and Academic Policy, College of Liberal Arts and Sciences, ritterk@illinois.edu

PROGRAM DESCRIPTION and JUSTIFICATION

1) **Provide a brief description but concise description of your proposal.**

This proposal is to add **GEOG 254 – American People, Places, and Environments** as an elective course in the following degree programs:
10KV5330BALA - Geography & Geographic Information Science, BALAS, Human Geography Concentration (3884)
5887 – Geography & Geographic Information Science Minor

2) **Provide a justification of the program**

Human Geography concentration: GEOG 254 examines core issues in cultural, economic, and population geography as related to regional geographies and ethnic/racial population groups in the United States, and thus it fits well as an elective course in the human geography concentration.

Minor: For the same reason, we would like to add this course to the Human Geography course options in the GGIS minor.

10KV5330BALA - Geography & Geographic Information Science, BALAS, Human Concentration (3884)
PROPOSED:

Only addition is adding GEOG 254 which is highlighted below

Code	Title	Hours
200-to 400-level Geography and Geographic Information Science courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following:		25-27
GEOG 204	Cities of the World	
GEOG 205	Business Location Decisions	
GEOG 210	Social & Environmental Issues	
GEOG 224	Geog Patterns of Illinois	
GEOG 254	**American People, Places, and Environments**	
SOC 280	Intro to Social Statistics	
NRES/GEOG 287	Environment and Society	
GEOG 350	Sustainability and the City	
GEOG 356	Sustainable Development in South Asia	
ESE 320/GEOG 370	Water Planet, Water Crisis	
GEOG 371	Spatial Analysis	
GEOG 384	Population Geography	
GEOG 390	Individual Study	
GEOG 391	Honors Individual Study	
GEOG 405	Geography Field Course	
GEOG 410	Green Development	
GEOG 412	Geospatial Tech & Society	
LA 427	Amer Vernacular Cultural Land	
GEOG 438	Geography of Health Care	
PATH/GEOG 439	Health Applications of GIS	
UP/GEOG 446	Sustainable Planning Seminar	
GEOG 455	Geog of Sub-Saharn Africa	
GEOG 465	Transportation & Sustainability	
GEOG 466	Environmental Policy	
GEOG 471	Recent Trends in Geog Thought	
GEOG 473	Digital Cartography & Map Design	
GEOG 477	Introduction to Remote Sensing	
ESE/GEOG 482	Challenges of Sustainability	

Code	Title	Hours
GEOG 483	Urban Geography	
GEOG 496	Climate & Social Vulnerability	

Geography & GIScience Minor (Banner Code 5587)
PROPOSED:

Only addition is adding GEOG 254 which is highlighted below

Two courses selected from the following:

ATMS/GEOG 100	Introduction to Meteorology
GEOG 101	Global Development & Environment
GEOG 103	Earth's Physical Systems
GEOG 104	Social and Cultural Geography
GEOG 105	The Digital Earth
GEOG 106	Geographies of Globalization
GEOG 221	Geographies of Global Conflict

One course in human geography, selected from the following: 3

GEOG 204	Cities of the World
GEOG 205	Business Location Decisions
GEOG 224	Geog Patterns of Illinois
GEOG 254	American People, Places, and Environments
GEOG 350	Sustainability and the City
GEOG 356	Sustainable Development in South Asia
GEOG 384	Population Geography
GEOG 405	Geography Field Course
GEOG 410	Green Development
GEOG 438	Geography of Health Care
GEOG 455	Geog of Sub-Saharn Africa
GEOG 465	Transportation & Sustainability
GEOG 466	Environmental Policy
GEOG 471	Recent Trends in Geog Thought
GEOG 483	Urban Geography
GEOG 484	Cities, Crime, and Space

One course in physical/environmental geography, selected from the following: 3

GEOG 210	Social & Environmental Issues
GEOG 222	Big Rivers of the World
ESE 320	Water Planet, Water Crisis
NRES/GEOG 401	Watershed Hydrology
GEOG 405	Geography Field Course
GEOG 406	Fluvial Geomorphology
GEOG 408	Humans and River Systems
GEOG 412	Geospatial Tech & Society

GEOG 459	Ecohydraulics	
GEOG 496	Climate & Social Vulnerability	
One course in geographic information science, selected from the following:		3
GEOG 371	Spatial Analysis	
GEOG 379	Intro to GIS Systems	
GEOG 380	GIS II: Spatial Prob Solving	
GEOG 412	Geospatial Tech & Society	
GEOG 440	Business Applications of GIS	
PATH 439	Health Applications of GIS	
GEOG 460	Aerial Photo Analysis	
GEOG 468	Biological Modeling	
GEOG 473	Digital Cartography & Map Design	
GEOG 476	Applied GIS to Environ Studies	
GEOG 477	Introduction to Remote Sensing	
GEOG 478	Techniques of Remote Sensing	
GEOG 479	Advanced Topics in GIS	
GEOG 480	Principles of GIS	
One 200-400 level course selected from any of the above.		3
Total Hours		18

At least 6 hours total must be at the 300 or 400 level.

10KM5597BS: INFORMATION SYSTEMS, BS

In Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. 1902 Committee Chair (mwolter@illinois.edu; jloew@illinois.edu; bfulton@illinois.edu)
3. 1902 Head (cotnes@illinois.edu)
4. KM Committee Chair (josephm@illinois.edu)
5. KM Dean (peecher@illinois.edu; mlschltz@illinois.edu)
6. University Librarian (jpwilkin@illinois.edu)
7. Provost (kmartens@illinois.edu)
8. Senate EPC (bjlehman@illinois.edu; moorhouz@illinois.edu; kmartens@illinois.edu)
9. Senate (jtempel@illinois.edu)
10. U Senate Conf (none)
11. Board of Trustees (none)
12. IBHE (none)
13. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

Approval Path

1. Wed, 24 Feb 2021 21:56:55 GMT
   Deb Forgacs (dforgacs): Approved for U Program Review
2. Wed, 24 Feb 2021 22:00:02 GMT
   Brian Fulton (bfulton): Approved for 1902 Committee Chair
3. Wed, 24 Feb 2021 23:50:28 GMT
   Cele Otnes (cotnes): Approved for 1902 Head
4. Tue, 02 Mar 2021 00:05:58 GMT
   Joseph Mahoney (josephm): Approved for KM Committee Chair
5. Tue, 09 Mar 2021 20:21:06 GMT
   Mark Peecher (peecher): Approved for KM Dean
6. Tue, 09 Mar 2021 20:21:43 GMT
   John Wilkin (jpwilkin): Approved for University Librarian
7. Wed, 10 Mar 2021 21:57:56 GMT
   Kathy Martensen (kmartens): Approved for Provost

Date Submitted:Wed, 24 Feb 2021 17:02:00 GMT

Viewing:10KM5597BS : Information Systems, BS

Changes proposed by: Brian Fulton

Proposal Type

Proposal Type:

Major (ex. Special Education)

This proposal is for a:

Revision

Proposal Title:

If this proposal is one piece of a multi-element change please include the other impacted programs here. *example: A BS revision with multiple concentration revisions*

Administrative approval: Removing deactivated courses and adding new courses from the Information Systems Major Curriculum in the Department of Business Administration, Gies College of Business. If possible requesting Fall 2021 implementation.

EP Control Number

EP.21.073

Official Program Name

Information Systems, BS

Effective Catalog Term

Fall 2021

Sponsor College

Gies College of Business

Sponsor Department

Business Administration

Sponsor Name

Ramanath Subramanyam

Sponsor Email

rsubrama@illinois.edu

College Contact

Mark Peecher; c/o Mary Schultze

College Contact Email

mlschltz@illinois.edu

Program Description and Justification

Justification for proposal change:

growth in the major and market demand require us to update the curriculum

Corresponding Degree

BS Bachelor of Science

Is this program interdisciplinary?

No

Academic Level

Undergraduate

Will you admit to the concentration directly?

No

Is a concentration required for graduation?

No

CIP Code

521201 - Management Information Systems, General.

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Admission Requirements

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

No

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

revision meet the requirements of the enrollment demand and market needs

Estimated Annual Number of Degrees Awarded

What is the matriculation term for this program?

Fall

What is the typical time to completion of this program?

4 years

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

81

Delivery Method

Is this program available on campus and online?

No

This program is available:

On Campus

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

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.

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.

more faculty are needed to cover new courses and increased enrollment

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.

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

Financial Resources

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

No

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

Yes

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).

regular evaluations and surveys to determine student/industry satisfaction

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

Information Systems side by side_02-18-2021.xlsx

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

Statement for Programs of Study Catalog

Code	Title	Hours
BADM 350	IT for Networked Organizations	3
BADM 352	Database Design and Management	3
BADM 353	Info Sys Analysis and Design	3
Select two of the following:		6
Select three of the following IS Major electives		9
BADM 351	E-Business Management	
BADM 355	Enterprise Software Management	
BADM 356	Data Science and Analytics	
BADM 357	Digital Making Seminar	
BADM 453	Business Intelligence	
BADM 458	IT Governance (Prerequisite:BADM 350)	
Select four of the following:		12-14
BADM 311	Leading Individuals and Teams (Prerequisite:BADM 310)	

BADM 312	Designing and Managing Orgs (Prerequisite:BADM 310)	
BADM 322	Marketing Research (Prerequisite:BADM 320)	
BADM 395	Senior Research II (Sec. BDI)[1]	
BADM 395	Senior Research II (Sec. ISM)[1]	
BADM 395	Senior Research II (Sec. ID)[1]	
BADM 395	Senior Research II (Sec. IOP)[1]	
Select three of the following IS Program electives:		9
BADM 323	Marketing Communications (Prerequisite:BADM 320)	
BADM 324	Purchasing and Supply Mgmnt (Prerequisite: Credit or concurrent enrollment inBADM 320)	
BADM 326	Pricing Strategy (Prerequisite:BADM 320)	
BADM 329	New Product Development (Prerequisite:BADM 320)	
BADM 374	Management Decision Models (Prerequisite:BADM 210)	
BADM 375	Operations Management	
BADM 377	Project Management	
BADM 379	Business Process Improvement	
BADM 380	International Business	
BADM 445	Small Business Consulting	
BADM 446	Entrepreneurship: New Venture Creation	
BADM 382	International Marketing (Prerequisite:BADM 320)	
BADM 395	Senior Research II (Sec. BDI)[1]	
BADM 395	Senior Research II (Sec. ISM)[1]	
BADM 395	Senior Research II (Sec. ID)[1]	
BADM 395	Senior Research II (Sec. IOP)[1]	
Total Hours		27

[1]   *Each section of BADM 395 can only be applied to one (1) of the two (2) elective categories.*

EP Documentation

DMI Documentation

Banner/Codebook Name

BS:Information Systems -UIUC

Program Code:

10KM5597BS

Degree Code

BS

Major Code

5597

Program Reviewer Comments

Cele Otnes (cotnes) (Fri, 05 Feb 2021 20:13:32 GMT): Rollback: I have been emailing with Ram about this. We both think there are issues with including BADM 357 as an IS elective, given the limited capacity that can enroll due to a small number of 3D printers (I think the capacity is less than 20). He asked that the proposal be rolled back so the area can discuss this issue further. Thanks.

Kathy Martensen (kmartens) (Fri, 19 Feb 2021 00:55:35 GMT): Rollback: BADM 395 Senior Research II listed under both "select three" categories but there is no note about limits as to whether they can count toward both these categories or not. Also, first select three list says it = 6 hours; shouldn't this be 9 hours? Thanks! --Kathy

Mark Peecher (peecher) (Tue, 23 Feb 2021 01:21:41 GMT): Rollback: Brian Fulton asked for a rollback to change course description per KathyM's suggestion.

Kathy Martensen (kmartens) (Wed, 10 Mar 2021 21:57:52 GMT): Admin approval: No change to total hours required/no restriction of options.

Key: 99

Current Course List		
Code	**Title**	**Hours**
Required Courses		
BADM 350	IT for Networked Organizations	**3**
BADM 352	Database Design and Management	**3**
BADM 353	Info Sys Analysis and Design	**3**
Select three of the following:		**6**
BADM 351	E-Business Management	
BADM 355	Enterprise Software Management	
BADM 453	Business Intelligence	
BADM 458	IT Governance (Prerequisite: BADM 350)	
Select three of the following:		**12-14**
BADM 311	Leading Individuals and Teams (Prerequisite: BADM 310)	
BADM 312	Designing and Managing Orgs (Prerequisite: BADM 310)	
BADM 322	Marketing Research (Prerequisite: BADM 320)	
BADM 324	Purchasing and Supply Mgmnt (Prerequisite: Credit or concurrent enrollment in BADM 320)	
BADM 374	Management Decision Models (Prerequisite: BADM 210)	
BADM 375	Operations Management	
BADM 377	Project Management	
BADM 379	Business Process Improvement	
BADM 380	International Business	
BADM 445	Small Business Consulting	
BADM 446	Entrepreneurship: New Venture Creation	
	Total Hours	**27**

Revised Course List		
Code	**Title**	**Hours**
Required Courses		
BADM 350	IT for Networked Organizations	**3**
BADM 352	Database Design and Management	**3**
BADM 353	Info Sys Analysis and Design	**3**
Select three of the following:		**6**
BADM 351	E-Business Management	
BADM 356	**Data Science and Analytics**	
BADM 357	**Ditital Making Seminar**	
BADM 453	Business Intelligence	
BADM 458	IT Governance (Prerequisite: BADM 350)	
BADM 395	**Senior Research II (Sec. BDI)**	
BADM 395	**Senior Research II (Sec. ISM)**	
BADM 395	**Senior Research II (Sec. ID)**	
BADM 395	**Senior Research II (Sec. IOP)**	
Select three of the following:		**12-14**
BADM 323	**Marketing Communications (Prerequisite: BADM 320)**	
BADM 324	Purchasing and Supply Mgmnt (Prerequisite: Credit or concurrent enrollment in BADM 320)	
BADM 326	**Pricing Strategy (Prerequisite: BADM 320)**	
BADM 329	**New Product Development (Prerequisite: BADM 320)**	
BADM 374	Management Decision Models (Prerequisite: BADM 210)	
BADM 375	Operations Management	
BADM 377	Project Management	
BADM 379	Business Process Improvement	
BADM 382	**International Marketing (Prerequisite: BADM 320)**	
BADM 395	**Senior Research II (Sec. BDI)**	
BADM 395	**Senior Research II (Sec. ISM)**	
BADM 395	**Senior Research II (Sec. ID)**	
BADM 395	**Senior Research II (Sec. IOP)**	
	Total Hours	**27**

10KM5741BS: STRATEGIC BUSINESS DEVELOPMENT & ENTREPRENEURSHIP, BS

Completed Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. IBHE (none)
3. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

Approval Path

1. Tue, 29 Jan 2019 22:15:43 GMT
   Kathy Martensen (kmartens): Approved for U Program Review
2. Tue, 14 May 2019 15:30:58 GMT
   Kathy Martensen (kmartens): Approved for IBHE
3. Fri, 24 May 2019 13:40:14 GMT
   Emily Stuby (eastuby): Approved for DMI

History

1. May 24, 2019 by Deb Forgacs (dforgacs)

Date Submitted:Fri, 12 Feb 2021 16:50:10 GMT

Viewing:10KM5741BS : Strategic Business Development & Entrepreneurship, BS

Changes proposed by: Deb Forgacs

Proposal Type

Proposal Type:

Major (ex. Special Education)

This proposal is for a:

Revision

Proposal Title:

If this proposal is one piece of a multi-element change please include the other impacted programs here.*example: A BS revision with multiple concentration revisions*

Administrative approval: Update course numbers for BADM 395 sections and add omitted elective for Strategic Business Development and Entrepreneurship major

EP Control Number

EP.21.073

Official Program Name

Strategic Business Development & Entrepreneurship, BS

Effective Catalog Term

Fall 2021

Sponsor College

Gies College of Business

Sponsor Department

Business Administration

Sponsor Name

June-Young Kim

Sponsor Email

juneykim@illinois.edu

College Contact

Kevin Jackson

College Contact Email

kjack@illinois.edu

Program Description and Justification

Justification for proposal change:

maintain accurate records for program

Corresponding Degree

BS Bachelor of Science

Is this program interdisciplinary?

No

Academic Level

Undergraduate

Will you admit to the concentration directly?

No

Is a concentration required for graduation?

No

CIP Code

520701 - Entrepreneurship/Entrepreneurial Studies.

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Admission Requirements

Desired Effective Admissions Term

Fall 2019

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

No

Enrollment

Describe how this revision will impact enrollment and 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

What is the typical time to completion of this program?

4 years

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

27

Delivery Method

Is this program available on campus and online?

No

This program is available:

On Campus

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

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.

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.

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.

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

Financial Resources

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

No

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

Yes

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).

regular surveys of students, graduates, and employers for satisfaction of curriculum

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.

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

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

The Strategic Business Development and Entrepreneurship major examines how business opportunities are identified and exploited for society through existing and new organizations. Students will learn to generate and evaluate ideas, develop those ideas into products and services, assemble resources, mitigate risks, and lead organizations that meet human needs. The degree prepares students to work within existing organizations as well as to create new organizations, both for-profit and not-for-profit.

In addition to the SBDE Major requirements, students must also fulfill the University's General Education requirements and the College of Business Core Courses requirements (for more detail, refer to the College of Business Undergraduate Section).

Statement for Programs of Study Catalog

General Student Requirements:Students must fulfill the Urbana-Champaign Campus General Education (https://courses.illinois.edu/gened/ DEFAULT/DEFAULT/)**requirements and the Gies College of Business's Core Courses.**
Specific Major Requirements:

Code	Title	Hours
BADM 367	Mgmt of Innov and Technology	3
BADM 446	Entrepreneurship: New Venture Creation	4
FIN 423	Financing Emerging Businesses	3
Total Core Required Hours		**10**
Skill-Building Elective Choices:		**17-19**

BADM 311	Leading Individuals and Teams	
BADM 312	Designing and Managing Orgs (Renamed Designing & Leading Organizations)	
BADM 314	Leading Negotiations	
BADM 322	Marketing Research	
BADM 323	Marketing Communications	
BADM 327	Marketing to Business and Govt	
BADM 329	New Product Development	
BADM 350	IT for Networked Organizations	
BADM 351	E-Business Management	
BADM 359	Business Problem Formulation and Solution	
BADM 375	Operations Management	
BADM 377	Project Management	
BADM 447	Legal Issues in Entrepreneurship	
Experiential Elective Choices[1]		
BADM 395	Senior Research II (Making Things)	
BADM 395	Senior Research II (Digital Making Seminar)	
BADM 395	Senior Research II (Social Entrepreneurship & Social Change)	
BADM 331	Making Things	
BADM 332	Sustainable Product Design & Marketing Plans I: Bottom-Up Immersion in Subsistence Marketplaces	
BADM 333	Sustainable Product Design & Marketing Plans II: Bottom-Up Enterprise & Marketing Innovation	
BADM 357	Digital Making Seminar	
BADM 420	Advanced Marketing Management	
BADM 445	Small Business Consulting	
Other experiential entrep. or business/product dev. course with departmental approval		
Total Hours		**27-29**

[1]   *7 hours maximum Experiential Elective hours (included in total elective hours)*

EP Documentation

DMI Documentation

Banner/Codebook Name

BS:STR BUS DEV & ENT - UIUC

Program Code:

10KM5741BS

Degree Code

BS

Major Code

5741

Program Reviewer Comments

Kathy Martensen (kmartens) (Thu, 11 Mar 2021 20:05:04 GMT): Administrative approval: No change to total hours/restriction in options.

Key: 517

ILLINOIS

Proposal to the Senate Educational Policy Committee

PROPOSAL TITLE: Proposal to replace the Management – Entrepreneurship concentration with a new major called Strategic Business Development and Entrepreneurship

SPONSOR: Steven C. Michael, Professor of Entrepreneurship and Strategy, Department of Business Administration, College of Business, 265-0702, smichael@illinois.edu. Also Professor Deepak Somaya, Professor Phil Anderson.

COLLEGE CONTACT: Jeffrey Brown, Dean, Gies College of Business, c/o Mary Schulze, 333-5423, mlschltz@illinois.edu.

BRIEF DESCRIPTION:

Interest in entrepreneurship is growing on our campus and worldwide. The Department of Business Administration has offered a concentration in entrepreneurship for many years. With this proposal, we are replacing and expanding the entrepreneurship concentration into a new major that provides stronger faculty-to-student engagement, attracts greater interest from students and recruiters, and updates the curriculum to include coursework in technology management. We allow a wider selection of courses for students to improve skills, allowing more electives and fewer required courses but not increasing the total hours required for the degree. After consultation with various stakeholders, we named the new major "Strategic Business Development and Entrepreneurship" to more closely align with recruiting opportunities. The resource demands of this change are minor relative to the current entrepreneurship concentration. The new major adds a new section to one existing course but does not require any courses new to the College's current curriculum or new faculty hires.

JUSTIFICATION:

The entrepreneurship concentration within the Management major, offered since 1974, has enrolled between 10 and 20 students for the last several years. The concentration has typically attracted little or no distinct attention from recruiters. The students who enrolled in the concentration typically had ambitions to return to a family business or work in a small business. And the intellectual content has not changed to reflect the role of technology in new business and new industry creation.

A departmental review suggested necessary revisions. In addition to the concentration's traditional role, the faculty wishes to enable and support high-impact ventures and start-ups. For many of these, technology will play an essential role. Additionally, both recruiters and students

are interested in educational programs that prepare students for management roles that develop new businesses within existing organizations.

With these principles in mind, four key changes are made in the new major relative to the existing concentration. First, to accommodate growing interest in technology and innovation, we have added the requirement of a course in Managing Technology (BADM 367). Historically one section of that course has been offered for the Hoeft Technology and Management minor; the new major necessitates an additional section. The two additional core courses that are required are Financing Emerging Businesses (FIN 423) and New Venture Creation (BADM 446). These were required of the previous concentration.

Second, we have added a wider range of complementary or skill building courses to give students more choices. We have replaced a required list with a menu of electives plus the three core courses above. For example, previously students were required to take the course "Designing and Leading Organizations," but now it is an elective among others such as "New Product Development" and "E-Business Management." Greater flexibility will allow a more customized experience for students, and also allow for a more tech-oriented major should the student desire. All courses in this category were selected from existing courses within the department, and all courses no longer required for the Management-Entrepreneurship concentration are included as electives. No new courses are being created for the major.

Third, as the experiential offerings of the College of Business have increased, we have offered a wider selection of such courses to the student in addition to Small Business Consulting (BADM 445), which was the only experiential course permitted in, and required for, the previous concentration. The structure for the new major allows the student to take two different experiential courses.

Finally, on the advice of students and employers, we created a name for the new major that encompasses a broader set of entrepreneurial and closely related career roles of interest to students and recruiters. The entrepreneurial skills of opportunity recognition, resource assembly, and organizational growth are valuable to existing as well as new companies and organizations. However, our research and our experience revealed that our previous concentration titled "Entrepreneurship" suggests to employers that students wish only to start their own businesses. Thus the students were disadvantaged in the placement process. The business function within existing organizations that engages in these tasks is most typically termed Business Development. "Strategic Business Development and Entrepreneurship" was suggested by the faculty and enthusiastically endorsed by the placement office. We collectively expect the new major to be attractive to employers looking to hire for positions in business development, management consulting, private equity, product development/ management, and venture capital, as well as the traditional options of family business, small business, and startup ventures.

The combination of a wider range of skills, the potential for a technology focus, and the new name should improve student interest, learning, and placement. With this new major, our faculty seeks to build a high-quality rigorous program that enhances the real world impact and employability of our students. Also we seek to enhance the reputation of our undergraduate majors of the Department of Business Administration, which is critical for our College's larger goal of being a highly ranked undergraduate school.

BUDGETARY AND STAFF IMPLICATIONS:

1) Resources

a. How does the unit intend to financially support this proposal?

The proposal will be supported from existing resources of the College of Business.

b. 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?

There are no new courses required. One additional section of BADM 367 (Management of Innovation and Technology) will be offered. Otherwise, the new major repackages current courses.

c. 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.

No outside resources will be required.

d. Please provide a letter of acknowledgment from the college that outlines the financial arrangements for the proposed program.
N/A

2) Resource Implications
a. Please address the impact on faculty resources including the changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

We anticipate a modest rise in enrollment, from perhaps 15 students in the concentration to 40 students in the new major, and a rise in enrollment of certain courses. The wider list of electives eases the burden on any one course. Four faculty members have expressed interest in teaching the new required section of Management of Technology (BADM 367).

b. Please address the impact on course enrollment in other units and provide an explanation of discussions with representatives of those units.

The Management major with Entrepreneurship concentration will no longer be offered and will be replaced by the Strategic Business Development and Entrepreneurship major. No units outside the College of Business are involved.

c. Please address the impact on the University Library.
d. Please address the impact on technology and space (e.g. computer use, laboratory use, equipment, etc.)

There is no change in requirements for library, digital resources, technology or space.

For new degree programs only:

3) Briefly describe how this program will support the University's mission, focus, and/or current priorities. Include specific objectives and measurable outcomes that demonstrate the program's consistency with and centrality to that mission.

The new Strategic Business Development and Entrepreneurship major adds to the Gies College of Business undergraduate curriculum a more technology-focused major within entrepreneurship which was previously lacking, while preserving the traditional small business option. This is a key step in the strategic positioning of the College that aligns with the University's mission to be a highly ranked undergraduate school, and leverages the University's well-deserved reputation and resources in science, technology, and engineering. In addition, the new major creates curricula that allow students to more effectively function in the growing campuswide entrepreneurship ecosystem. As one example, technology based entrepreneurship is a significant part of the plan for the Discovery Partners Institute and other University-wide initiatives.

4) Please provide an analysis of the market demand for this degree program. What market indicators are driving this proposal? What type of employment outlook should these graduates expect? What resources will be provided to assist students with job placement?

Student demand for the existing entrepreneurship concentration averages 15 students. After discussions with students and employers, we project near-term demand for the new major to be approximately 40 students. The entrepreneurial skills of opportunity recognition, resource assembly, and organizational growth are valuable to existing as well as new companies and organizations. By expanding the scope of the new major to cover closely related opportunities in business development, the faculty and the Gies College of Business placement office collectively expect the new major to be attractive to employers looking to hire for positions in business development, management consulting, private equity, product development/ management, and venture capital, as well as the traditional options of family business, small business, and startup ventures.

5) If this is a proposed graduate program, please discuss the programs intended use of waivers. If the program is dependent on waivers, how will the unit compensate for lost tuition revenue?

DESIRED EFFECTIVE DATE: Fall 2019.

STATEMENT FOR PROGRAMS OF STUDY CATALOG: Please see attached appendix.

CLEARANCES: *(Clearances should include signatures and dates of approval.* **These signatures must appear on a separate sheet.** *If multiple departments or colleges are sponsoring the proposal, please add the appropriate signature lines below.)*

Signatures:

Camellia COJh
Unit Representative:

April May 3, 2018
Date:

Mark Pucker
College Representative:

May 26, 2018
Date:

_____
Graduate College Representative:

_____
Date:

_____
Council on Teacher Education Representative:

_____
Date:

Appendix A:
(Proposed Curriculum)

Below we show how the new Strategic Business Development and Entrepreneurship Major curriculum compares to the existing Management major with Entrepreneurship concentration curriculum:

Current Concentration Requirements:	Current Hours	New Major Requirements:	Revised Hours
Major Core Requirement		*Major Core Requirement*	
PSYC 201 – Intro to Social Psychology	3 Hours	BADM 367 – Management of Innovation and New Technology	3 Hours
BADM 311 – Individual Behavior in Organizations	3 Hours	BADM 446 – Entrepreneurship: New Venture Creation	4 Hours
BADM 350 – IT for Networked Organizations	3 Hours	FIN 423 – Financing Emerging Businesses	3 Hours
BADM 374 – Management Decision Models	3 Hours		
BADM 375 – Business Process Management	3 Hours		
BADM 445 – Small Business Consulting	4 Hours		
BADM 446 – Entrepreneurship: New Venture Creation	4 Hours		
FIN 423 – Financing Emerging Businesses	3 Hours		
Total Core Required Hours	26 Hours	**Total Core Required Hours**	10 Hours
Major Elective Choices		*Major Skill-Building Elective Choices*	
BADM 312 – Org Design and Environment	3 Hours	BADM 311 – Leading Individuals and Teams [Renamed]	3 Hours
BADM 403 – Corporate & Commercial Law	4 Hours	BADM 312 – Designing and Leading Organizations [Renamed]	3 Hours
BADM 447 – Legal Strat for Entrepre Firm	4 Hours	BADM 314 – Leading Negotiations	3 Hours
		BADM 322 – Marketing Research	3 Hours
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		and Government	
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		BADM 395 – Social Entrepreneurship & Social Change	3 Hours
		BADM 332 – Sustainable Product Design & Marketing Plans I	3 Hours
		BADM 333 – Sustainable Product Design & Marketing Plans II	3 Hours
		BADM 420 – Advanced Marketing Management	3 Hours
		BADM 445 – Small Business Consulting	4 Hours
		Other experiential entrep. or business/product dev. course with departmental approval	3 Hours
Total Elective Hours	3-4 Hours	**Total Elective Hours**	17-19 Hours
		Maximum Experiential Elective Hours (included in Total)	7 Hours
Total Hours	**29-30**		**27-29**

STATEMENT FOR PROGRAMS OF STUDY CATALOG:

The Strategic Business Development and Entrepreneurship major examines how business opportunities are identified and exploited for society through existing and new organizations. Students will learn to generate and evaluate ideas, develop those ideas into products and services, assemble resources, mitigate risks, and lead organizations that meet human needs.   The degree prepares students to work within existing organizations as well as to create new organizations, both for-profit and not-for-profit.

In addition to the SBDE Major requirements, students must also fulfill the University's General Education requirements and the College of Business Core Courses requirements (for more detail, refer to the College of Business Undergraduate Section).

Requirements:	Credit Hours
Major Core Requirement	
BADM 367 – Management of Innovation and New Technology	3 Hours
BADM 446 – Entrepreneurship: New Venture Creation	4 Hours
FIN 423 – Financing Emerging Businesses	3 Hours
Total Core Required Hours	**10 Hours**
Major Skill-Building Elective Choices	
BADM 311 – Leading Individuals and Teams	3 Hours
BADM 312 – Designing and Leading Organizations	3 Hours
BADM 314 – Leading Negotiations	3 Hours
BADM 322 – Marketing Research	3 Hours
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BADM 395 – Making Things	3 Hours

BADM 395 – Digital Making Seminar	3 Hours
BADM 395 – Social Entrepreneurship & Social Change	3 Hours
BADM 420 – Advanced Marketing Management	3 Hours
BADM 445 – Small Business Consulting	4 Hours
Other experiential entrepreneurship or business/product development course with departmental approval	3 Hours
Total Elective Hours	17-19 Hours
Maximum Experiential Elective Hours (included in Total)	7 Hours
Total Hours	**27-29 Hours**

August 21, 2018

Gay Miller, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Miller:

Enclosed is a copy of a proposal from the College of Business to:

1) Eliminate the concentration in Entrepreneurship in the Bachelor of Science in Management; and
2) Establish the Bachelor of Science in Strategic Business Development and Entrepreneurship.

Sincerely,

Kathryn A. Martensen
Assistant Provost

Enclosures

c: M. Peecher
   M. Schulze
   M. Dyer
   S. Michael
   C. Otnes

I
ILLINOIS
Gies College of Business

Office of the Dean
260 Wohlers Hall
1206 South Sixth Street
Champaign, IL 61820

To: Kristi Kuntz
        Office of the Provost
        204 Swanlund Administration Bldg
        601 E John St., MC 304

From: Mark Peecher
        Assoc. Dean of Faculty

Date: May 25, 2018

Re: Proposal to Replace the Management – Entrepreneurship concentration with a new
        major called Strategic Business Development and Entrepreneurship, Gies College of
        Business.

Gies College of Business requests approval of the enclosed proposal to Replace the
Management – Entrepreneurship concentration with a new major called Strategic Business
Development and Entrepreneurship within the College of Business.

The appropriate committees at the department and college levels have reviewed this
proposal and recommend approval. I also recommend approval.

If you have any questions, please call 333-2747.

MP/mls
Enclosures

Cc: Steven Michael; Michael Dyer; Cele Otnes

ILLINOIS

Proposal to the Senate Educational Policy Committee

PROPOSAL TITLE: Proposal to replace the Management – Entrepreneurship concentration with a new major called Strategic Business Development and Entrepreneurship

SPONSOR: Steven C. Michael, Professor of Entrepreneurship and Strategy, Department of Business Administration, College of Business, 265-0702, smichael@illinois.edu. Also Professor Deepak Somaya, Professor Phil Anderson.

COLLEGE CONTACT: Jeffrey Brown, Dean, Gies College of Business, c/o Mary Schulze, 333-5423, mlschltz@illinois.edu.

BRIEF DESCRIPTION:

Interest in entrepreneurship is growing on our campus and worldwide. The Department of Business Administration has offered a concentration in entrepreneurship for many years. With this proposal, we are replacing and expanding the entrepreneurship concentration into a new major that provides stronger faculty-to-student engagement, attracts greater interest from students and recruiters, and updates the curriculum to include coursework in technology management. We allow a wider selection of courses for students to improve skills, allowing more electives and fewer required courses but not increasing the total hours required for the degree. After consultation with various stakeholders, we named the new major "Strategic Business Development and Entrepreneurship" to more closely align with recruiting opportunities. The resource demands of this change are minor relative to the current entrepreneurship concentration. The new major adds a new section to one existing course but does not require any courses new to the College's current curriculum or new faculty hires.

JUSTIFICATION:

The entrepreneurship concentration within the Management major, offered since 1974, has enrolled between 10 and 20 students for the last several years. The concentration has typically attracted little or no distinct attention from recruiters. The students who enrolled in the concentration typically had ambitions to return to a family business or work in a small business. And the intellectual content has not changed to reflect the role of technology in new business and new industry creation.

A departmental review suggested necessary revisions. In addition to the concentration's traditional role, the faculty wishes to enable and support high-impact ventures and start-ups. For many of these, technology will play an essential role. Additionally, both recruiters and students

are interested in educational programs that prepare students for management roles that develop new businesses within existing organizations.

With these principles in mind, four key changes are made in the new major relative to the existing concentration. First, to accommodate growing interest in technology and innovation, we have added the requirement of a course in Managing Technology (BADM 367). Historically one section of that course has been offered for the Hoeft Technology and Management minor; the new major necessitates an additional section. The two additional core courses that are required are Financing Emerging Businesses (FIN 423) and New Venture Creation (BADM 446). These were required of the previous concentration.

Second, we have added a wider range of complementary or skill building courses to give students more choices. We have replaced a required list with a menu of electives plus the three core courses above. For example, previously students were required to take the course "Designing and Leading Organizations," but now it is an elective among others such as "New Product Development" and "E-Business Management." Greater flexibility will allow a more customized experience for students, and also allow for a more tech-oriented major should the student desire. All courses in this category were selected from existing courses within the department, and all courses no longer required for the Management-Entrepreneurship concentration are included as electives. No new courses are being created for the major.

Third, as the experiential offerings of the College of Business have increased, we have offered a wider selection of such courses to the student in addition to Small Business Consulting (BADM 445), which was the only experiential course permitted in, and required for, the previous concentration. The structure for the new major allows the student to take two different experiential courses.

Finally, on the advice of students and employers, we created a name for the new major that encompasses a broader set of entrepreneurial and closely related career roles of interest to students and recruiters. The entrepreneurial skills of opportunity recognition, resource assembly, and organizational growth are valuable to existing as well as new companies and organizations. However, our research and our experience revealed that our previous concentration titled "Entrepreneurship" suggests to employers that students wish only to start their own businesses. Thus the students were disadvantaged in the placement process. The business function within existing organizations that engages in these tasks is most typically termed Business Development. "Strategic Business Development and Entrepreneurship" was suggested by the faculty and enthusiastically endorsed by the placement office. We collectively expect the new major to be attractive to employers looking to hire for positions in business development, management consulting, private equity, product development/ management, and venture capital, as well as the traditional options of family business, small business, and startup ventures.

The combination of a wider range of skills, the potential for a technology focus, and the new name should improve student interest, learning, and placement. With this new major, our faculty seeks to build a high-quality rigorous program that enhances the real world impact and employability of our students. Also we seek to enhance the reputation of our undergraduate majors of the Department of Business Administration, which is critical for our College's larger goal of being a highly ranked undergraduate school.

BUDGETARY AND STAFF IMPLICATIONS:

1) Resources

a. How does the unit intend to financially support this proposal?

The proposal will be supported from existing resources of the College of Business.

b. 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?

There are no new courses required. One additional section of BADM 367 (Management of Innovation and Technology) will be offered. Otherwise, the new major repackages current courses.

c. 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.

No outside resources will be required.

d. Please provide a letter of acknowledgment from the college that outlines the financial arrangements for the proposed program.

N/A

2) Resource Implications
   a. Please address the impact on faculty resources including the changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

We anticipate a modest rise in enrollment, from perhaps 15 students in the concentration to 40 students in the new major, and a rise in enrollment of certain courses. The wider list of electives eases the burden on any one course. Four faculty members have expressed interest in teaching the new required section of Management of Technology (BADM 367).

   b. Please address the impact on course enrollment in other units and provide an explanation of discussions with representatives of those units.

The Management major with Entrepreneurship concentration will no longer be offered and will be replaced by the Strategic Business Development and Entrepreneurship major. No units outside the College of Business are involved.

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There is no change in requirements for library, digital resources, technology or space.

For new degree programs only:

3) Briefly describe how this program will support the University's mission, focus, and/or current priorities. Include specific objectives and measurable outcomes that demonstrate the program's consistency with and centrality to that mission.

The new Strategic Business Development and Entrepreneurship major adds to the Gies College of Business undergraduate curriculum a more technology-focused major within entrepreneurship which was previously lacking, while preserving the traditional small business option. This is a key step in the strategic positioning of the College that aligns with the University's mission to be a highly ranked undergraduate school, and leverages the University's well-deserved reputation and resources in science, technology, and engineering. In addition, the new major creates curricula that allow students to more effectively function in the growing campuswide entrepreneurship ecosystem. As one example, technology based entrepreneurship is a significant part of the plan for the Discovery Partners Institute and other University-wide initiatives.

4) Please provide an analysis of the market demand for this degree program. What market indicators are driving this proposal? What type of employment outlook should these graduates expect? What resources will be provided to assist students with job placement?

Student demand for the existing entrepreneurship concentration averages 15 students. After discussions with students and employers, we project near-term demand for the new major to be approximately 40 students. The entrepreneurial skills of opportunity recognition, resource assembly, and organizational growth are valuable to existing as well as new companies and organizations. By expanding the scope of the new major to cover closely related opportunities in business development, the faculty and the Gies College of Business placement office collectively expect the new major to be attractive to employers looking to hire for positions in business development, management consulting, private equity, product development/ management, and venture capital, as well as the traditional options of family business, small business, and startup ventures.

5) If this is a proposed graduate program, please discuss the programs intended use of waivers. If the program is dependent on waivers, how will the unit compensate for lost tuition revenue?

DESIRED EFFECTIVE DATE: Fall 2019.

STATEMENT FOR PROGRAMS OF STUDY CATALOG: Please see attached appendix.

CLEARANCES: *(Clearances should include signatures and dates of approval.* **These signatures must appear on a separate sheet.** *If multiple departments or colleges are sponsoring the proposal, please add the appropriate signature lines below.)*

Signatures:

Camellia COE

Unit Representative: _____

April May 3, 2018

Date: _____

Mark Pucher

College Representative: _____

May 26, 2018

Date: _____

Graduate College Representative: _____

Date: _____

Council on Teacher Education Representative: _____

Date: _____

Appendix A:
(Proposed Curriculum)

Below we show how the new Strategic Business Development and Entrepreneurship Major curriculum compares to the existing Management major with Entrepreneurship concentration curriculum:

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The Strategic Business Development and Entrepreneurship major examines how business opportunities are identified and exploited for society through existing and new organizations. Students will learn to generate and evaluate ideas, develop those ideas into products and services, assemble resources, mitigate risks, and lead organizations that meet human needs.   The degree prepares students to work within existing organizations as well as to create new organizations, both for-profit and not-for-profit.

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Maximum Experiential Elective Hours (included in Total)	7 Hours
Total Hours	**27-29 Hours**

Office of the Provost and Vice Chancellor
for Academic Affairs

Swanlund Administration Building
601 East John Street
Champaign, IL 61820

August 21, 2018

Gay Miller, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Miller:

Enclosed is a copy of a proposal from the College of Business to:

1) Eliminate the concentration in Entrepreneurship in the Bachelor of Science in Management; and
2) Establish the Bachelor of Science in Strategic Business Development and Entrepreneurship.

Sincerely,

Kathryn A. Martensen
Assistant Provost

Enclosures

c: M. Peecher
M. Schulze
M. Dyer
S. Michael
C. Otnes

Office of the Dean
260 Wohlers Hall
1206 South Sixth Street
Champaign, IL 61820

To: Kristi Kuntz
Office of the Provost
204 Swanlund Administration Bldg
601 E John St., MC 304

From: Mark Peecher
Assoc. Dean of Faculty

Date: May 25, 2018

Re: Proposal to Replace the Management – Entrepreneurship concentration with a new major called Strategic Business Development and Entrepreneurship, Gies College of Business.

Gies College of Business requests approval of the enclosed proposal to Replace the Management – Entrepreneurship concentration with a new major called Strategic Business Development and Entrepreneurship within the College of Business.

The appropriate committees at the department and college levels have reviewed this proposal and recommend approval. I also recommend approval.

If you have any questions, please call 333-2747.

MP/mls
Enclosures

Cc: Steven Michael; Michael Dyer; Cele Otnes

I UIC UIS | UNIVERSITY OF ILLINOIS SYSTEM

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 Affairs

May 10, 2019

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:

- Establishing the Bachelor of Science in Strategic Business Development and Entrepreneurship (CIP code 52.0701).

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

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

ILLINOIS BOARD OF HIGHER EDUCATION

1 NORTH OLD CAPITOL PLAZA, SUITE 333
SPRINGFIELD, ILLINOIS 62701-1377

May 8, 2019

Dr. Julian Parrott
Assistant Vice President for Academic Affairs
University of Illinois System
377 Henry Administration Bldg.
506 S. Wright
Urbana, Illinois 61801

Dr. Parrott,

Your letter, dated May 6, 2019 requesting a reasonable and moderate extension (RME) for University of Illinois at Urbana-Champaign to elevate an existing concentration in Entrepreneurship to a standalone degree (Bachelor of Science in Strategic Business Development and Entrepreneurship) in the Giles College of Business in the Prairie region has been reviewed. Additionally, the RME requests that the Bachelor of Science (BS) in Strategic Business Development and Entrepreneurship be classified under the CIP Code 52.0701. IBHE staff review of the proposal has been completed and the request is approved as a reasonable and moderate extension. This approval is effective immediately.

Conditions noted in the proposal include the following:

- A new Bachelor of Science (BS) in Strategic Business Development and Entrepreneurship will be established in the Giles College of Business in the Prairie region.
- The program will require completion of all General Education and Elective requirements (93 hours) as well as 27-29 credit hours within the major. The minimum hours required for graduation is 120, including a minimum of 40 upper-division hours.
- The requested CIP code is 52.0701.
- Existing staff and faculty resources will be sufficient for this program.
- A catalog description and summary of program requirements were provided.

If you have any questions, please do not hesitate to contact me at (217) 524-5829 or via email at lohman@ibhe.org.

Sincerely,

Gretchen Lohman, Ph.D.
Senior Associate 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 Affairs

May 6, 2019

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 of the IBHE a Reasonable and Moderate Extension (RME) to establish the Bachelor of Science in Strategic Business Development and Entrepreneurship in the Gies College of Business at the University of Illinois at Urbana-Champaign.

For many years, the Department of Business Administration has offered an undergraduate concentration in Entrepreneurship within the Management major. With interest in and scholarship around entrepreneurship growing at the university and worldwide, the college seeks to revise and reorganize the existing entrepreneurship concentration into the proposed Bachelor of Science in Strategic Business Development and Entrepreneurship (BS in SBDE). Elevating the program to the level of a major is expected to bring more distinct interest from prospective students and recruiters.

The CIP code requested is: 52.0701, Entrepreneurship/Entrepreneurial Studies.

Background and Description:

The entrepreneurship concentration within the Management major has enrolled between 10 and 20 students for the last several years. The concentration has typically attracted little distinct attention from recruiters. The students who enrolled in the concentration typically had ambitions to return to a family business or work in a small business. Additionally, the intellectual content has not changed to reflect the role of technology in new business and new industry creation.

A departmental review suggested necessary revisions. In addition to the concentration's traditional role, the faculty wishes to enable and support high-impact ventures and start-ups. For many of these, technology will play an essential role. Additionally, both students and recruiters are interested in educational programs that prepare students for management roles that develop new businesses within existing organizations.

With these principles in mind, the proposed BS in SBDE relative to the existing concentration will accommodate growing interest in technology and innovation and will include a wider range of complementary or skill building courses to give students more choices. Greater flexibility will allow a more customized experience for students, and will also allow for a more tech-oriented major should the student desire. As the experiential offerings of the Gies College of Business have increased, the college has offered a wider selection of such courses to the student. The structure for the proposed major allows the student to take two different experiential courses.

Needs Assessment:

The entrepreneurial skills of opportunity recognition, resource assembly, and organizational growth are valuable to existing as well as new companies and organizations. However, the Department of Business Administration's research and experience revealed that the previous concentration titled "Entrepreneurship" suggests to employers that students wish only to start their own businesses. Thus the students were disadvantaged in the placement process. The business function within existing organizations that engages in these tasks is most typically termed Business Development. "Strategic Business Development and Entrepreneurship" was suggested by the faculty and enthusiastically endorsed by the placement office. The proposed BS in SBDE is expected to be attractive to employers looking to hire for positions in business development, management consulting, private equity, product development/ management, and venture capital, as well as the traditional options of family business, small business, and startup ventures.

Enrollment:

STUDENT ENROLLMENT AND DEGREE PROJECTIONS FOR THE PROPOSED PROGRAM		
	Year One	5th Year (or when fully implemented)
Number of Program Majors (Fall Headcount)	20	50
Annual Full-time-Equivalent Majors (Fiscal Year)	20	50
Annual Number of Degrees Awarded	20	50

Comparable Programs in the State of Illinois:

There are programs in management and entrepreneurship in many colleges in Illinois. There are no programs focused on the wider intellectual and professional development of business growth professionals.

Admissions:

The admission requirements are aligned with those of the Gies College of Business at the University of Illinois at Urbana-Champaign.

Students who are accepted into this major will meet the undergraduate admission requirements for the Gies College of Business. First-year applicants are assessed based on the information provided in the University of Illinois at Urbana-Champaign's undergraduate application. Academic achievements, such as grades and test scores, are the most important factor, but extra-curricular involvement, individual interests, personal characteristics, and special talents are also considered. These include, but are not limited to:

- Solid high school GPA and class rank;
- SAT or ACT composite score that meets the range requirements for admission to the University and the Gies College of Business;
- Essay that speaks to why the prospective student wants to pursue the major;
- Academic interests and extra-curricular activities that illustrate personal strengths and skills;

- Rigor of high school coursework (consideration given for AP courses, honors courses, etc.);
- Personal circumstances;
- Minimum High School Coursework Requirements for admission to the University; and
- Satisfactory completion of the University's English proficiency requirements. The TOEFL or IELTS is recommended for freshman applicants and required for transfer applicants.

All first-year applicants are admitted to the Gies College of Business as "undecided," and then they select a major during their sophomore year. Further details of freshman admission requirements are detailed on the Office of Undergraduate Admissions' website at https://admissions.illinois.edu/Apply/Freshman/requirements.

Requirements for inter- and intra-collegiate transfers to the program can be found at https://giesbusiness.illinois.edu/programs/undergraduate/admissions/intercollegiate-transfer.

Off-campus transfer requirements are available at https://admissions.illinois.edu/Apply/Transfer/handbook.

Program and Curriculum Description:

No new courses are required for this curriculum. All courses are delivered face to face. No national standards exist for such a curriculum.

Catalog descriptions for the core courses are below.

BADM 446 Entrepreneurship: New Venture Creation   credit: 4 Hours.
Focuses on the opportunities, risks, and management problems involved in establishing and operating new ventures. Covers the steps included in starting a new venture, such as evaluating the opportunity, determining financial and operational requirements and resources, and deciding on the structure of the organization. Includes management issues faced by individual entrepreneurs. 4 undergraduate hours. 4 graduate hours.

BADM 367   Mgmt of Innov and Technology   credit: 3 Hours.
Course focuses on the strategic management of technology and innovation in organizations. It builds primarily on broad models of technological evolution and organizational change.

FIN 423   Financing Emerging Businesses   credit: 3 or 4 Hours.
The study of the business environment, alternative methods of organization and financing, use of financial statements as a management tool, valuation methods and approaches to ethical dilemmas from the perspective of an owner-manager. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: FIN 300 or consent of instructor.

Full curricular table follows.

In addition to the SBDE Major requirements, students must also fulfill the University's General Education requirements and the Gies College of Business Core Courses requirements. All students must also complete a minimum of 40 hours of upper-division coursework.

Requirements:	Credit Hours
Major Core Requirement	
BADM 367 – Management of Innovation and New Technology	3 Hours
BADM 446 – Entrepreneurship: New Venture Creation	4 Hours

FIN 423 – Financing Emerging Businesses	3 Hours
Total Core Required Hours	**10 Hours**
Major Skill-Building Elective Choices	
BADM 311 – Leading Individuals and Teams	3 Hours
BADM 312 – Designing and Leading Organizations	3 Hours
BADM 314 – Leading Negotiations	3 Hours
BADM 322 – Marketing Research	3 Hours
BADM 323 – Marketing Communications	3 Hours
BADM 327 – Marketing to Business and Government	3 Hours
BADM 329 – New Product Development	3 Hours
BADM 350 – IT for Networked Organizations	3 Hours
BADM 351 – E-Business Management	3 Hours
BADM 359 – Problem Formulation and Solving in Business	3 Hours
BADM 375 – Business Process Management	3 Hours
BADM 377 – Project Management	3 Hours
BADM 447 – Legal Strat for Entrepre Firm	4 Hours
Major Experiential Elective Choices	
BADM 332 – Sustainable Product Design & Mktg Plans I	3 Hours
BADM 333 – Sustainable Product Design & Mktg Plans II	3 Hours
BADM 395 – Making Things	3 Hours
BADM 395 – Digital Making Seminar	3 Hours
BADM 395 – Social Entrepreneurship & Social Change	3 Hours
BADM 420 – Advanced Marketing Management	3 Hours
BADM 445 – Small Business Consulting	4 Hours
Other experiential entrepreneurship or business/product development course with departmental approval	3 Hours
Total Elective Hours	17-19 Hours
Maximum Experiential Elective Hours (included in Total)	7 Hours
Total Hours	**27-29 Hours**

Side-by-Side Comparison With Existing Programs

Current Concentration Requirements:	Current Hours	New Major Requirements:	Revised Hours
Major Core Requirement		*Major Core Requirement*	
PSYC 201 – Intro to Social Psychology	3 Hours	BADM 367 – Management of Innovation and New Technology	3 Hours
BADM 311 – Individual Behavior in Organizations	3 Hours	BADM 446 – Entrepreneurship: New Venture Creation	4 Hours
BADM 350 – IT for Networked Organizations	3 Hours	FIN 423 – Financing Emerging Businesses	3 Hours
BADM 374 – Management	3 Hours		

Decision Models			
BADM 375 – Business Process Management	3 Hours		
BADM 445 – Small Business Consulting	4 Hours		
BADM 446 –Entrepreneurship: New Venture Creation	4 Hours		
FIN 423 – Financing Emerging Businesses	3 Hours		
Total Core Required Hours	26 Hours	Total Core Required Hours	10 Hours
Major Elective Choices		*Major Skill-Building Elective Choices*	
BADM 312 – Org Design and Environment	3 Hours	BADM 311 – Leading Individuals and Teams [Renamed]	3 Hours
BADM 403 – Corporate & Commercial Law	4 Hours	BADM 312 – Designing and Leading Organizations [Renamed]	3 Hours
BADM 447 – Legal Strat for Entrepre Firm	4 Hours	BADM 314 – Leading Negotiations	3 Hours
		BADM 322 – Marketing Research	3 Hours
		BADM 323 – Marketing Communications	3 Hours
		BADM 327 – Marketing to Business and Government	3 Hours
		BADM 329 – New Product Development	3 Hours
		BADM 350 – IT for Networked Organizations	3 Hours
		BADM 351 – E-Business Management	3 Hours
		BADM 359 – Problem Formulation and Solving in Business	3 Hours
		BADM 375 – Business Process Management	3 Hours
		BADM 377 – Project Management	3 Hours
		BADM 447 – Legal Strat for Entrepre Firm	4 Hours
		Major Experiential Elective Choices	
		BADM 395 – Making Things	3 Hours
		BADM 395 – Digital Making Seminar	3 Hours
		BADM 395 – Social Entrepreneurship & Social Change	3 Hours
		BADM 332 – Sustainable Product Design & Marketing Plans I	3 Hours
		BADM 333 – Sustainable Product Design & Marketing Plans II	3 Hours
		BADM 420 – Advanced Marketing Management	3 Hours
		BADM 445 – Small Business Consulting	4 Hours
		Other experiential entrep. or business/product dev. course with departmental approval	3 Hours
Total Elective Hours	3-4 Hours	**Total Elective Hours**	17-

			19 Hours
		Maximum Experiential Elective Hours (included in Total)	7 Hours
Total Hours	**29-30**		**27-29**

Learning Outcomes and Assessment:

Learning objectives for the proposed BS in SBDE:

- to understand theoretical and historical perspectives on entrepreneurship;
- to develop a business plan for a business of the student's choosing;
- to learn to solve the challenges of the small firm;
- to develop specific skills to aid in entrepreneurial activities;
- to develop a framework for understanding and evaluating opportunity;
- to understand and execute the processes necessary to develop a business and organization;
- to understand the challenges associated with managing a growing enterprise;
- to develop the ability to harvest value;
- to understand evolution and organizational change as driven by technology;
- to be able to understand and forecast the business environment;
- to participate in project and experiential learning to gain real life experience at introducing innovation and change; and
- to manage and use finance as a tool of the owner-manager-entrepreneur.

The college's core curriculum includes other learning objectives, such as to business subject matter knowledge, as well as skills such as teamwork, project management, and communications. The proposed program contributes and benefits from these core curricular learning objectives.

Evaluation:

The Gies College of Business regularly assesses learning objectives in all majors of the college, monitored by departmental and college personnel and reviewed by the American Association of Collegiate Schools of Business (AACSB) through its process of accreditation.

Learning objectives will be assessed systematically, including course-by-course, throughout the program, and at the end-of the program. Multiple measures will be used appropriate to the discipline, department, college, and university standards. Measures are both direct and indirect.

Coursework has its own internal measures and metrics. Faculty from the major will coordinate across courses to insure that learning is reinforced throughout the curriculum.

- The major requires one, and allows two, experiential learning courses to satisfy requirements. Such courses require end of semester projects that are typically presented publicly, and often juried by faculty and business professionals. Some of the experiential learning is performed on behalf of businesses, and those businesses are surveyed for their opinions of our undergraduates' learning.
- Student surveys each year to understand their experience and gather information about their classes within the major as well as outside coursework.
  - Surveys ask specific questions about course completion, course preparation, course and programming satisfaction, among others (survey adapted as necessary to collect information necessary and relevant to the department).

- Graduating seniors are asked to complete the Illini Success Survey administered by the university. Data provides information on academic and extracurricular activities as well as post-graduate outcomes. The department receives the information each year and uses the information for assessment of learning outcomes, student experience, and program alignment.
- Advising meetings with students, informal discussions, and observations about the curriculum and specific courses. Advisors keep detailed notes about meetings, and discuss any trends, issues, and needs during weekly undergraduate staff meetings.
- Department discussions with faculty, and faculty reporting to the department office.
- Faculty assessment of students.
- Discussions with alumni, recruiters/professionals, and graduate programs about students, preparation, and need.
  - The College's Undergraduate Office works in conjunction with the College's Career Center to discuss specific curriculum, course, and program alignment with constituents important to post-degree trajectories. Recruiters and employers are asked about their experience with graduates, including preparation and necessary job skill knowledge. Indeed, such a review prompted the development of the SBDE major.
  - Reports, such as Recruiting Trends, Job Outlook, and Employment Indexes are reviewed annually to ensure learning outcomes consistent with skills necessary to the workforce.
- Benchmarking against similar programs across the United States completed annually each summer. Items such as curriculum, number of majors/minors, program components, and other measures collected and compared.

Faculty expect a strong level of achievement in each of the learning objectives, specifically as measured by the grades earned in the courses set as graduation requirements. Letter grades are recorded for all courses in the proposed program. Students must earn a 2.0 (C grade) or above in their major GPA earned on-campus, as well as their overall on-campus GPA. Students must pass all required courses (with a grade of D- or higher) in the major in order to complete the degree. The required courses within the major, coupled with the business core curriculum, together encompass all of the learning outcomes. Additional requirements in supporting coursework and general education requirements also build learning outcome competencies. Completion of a GPA of 2.0 or above, and all of the degree requirements, will signify satisfactory completion of the learning outcomes.

A full assessment plan will be developed and implemented consistent with the existing majors of the Business Administration Department. Many of the assessments are currently in place; these will be adapted to include and be specific to the proposed program, during the initial implementation and over time. Beyond what has already been included above, the full assessment plan will include the following:

Step 1: Assessment Administration within the department responsible for leading the assessment, how the information will be shared with the department, and a plan for the production of an annual summary;

Step 2: Student Learning Outcomes;

Step 3: Undergraduate Degree Program Curriculum Mapping;

Step 4: Previous/Current Department Assessment Activities;

Step 5: Assessment Planning, including specific Questions, Corresponding Learning Outcome, Sources/Methods for acquiring evidence, and Timeline.

This assessment process coincides with the college's process as part of accreditation.

The program's evaluation plan will include everything described in the previous section. Evaluations are already conducted every semester and year, and they will continue to be collected over time to ensure programs are maintaining a high standard which are consistent with the missions of the university and the college. Progress reports will be completed for all campus, the university, IBHE, and other entities. The following details this evaluation plan:

The department, college, and university access and monitor several student reports, including retention, graduation (four- and five-year), and diversity, among others, to track and understand trends and implement interventions or programming as needed.

Illini Success Survey by the campus and promoted by the department is sent to graduating students each semester (longitudinal survey with additional post-graduation surveys collected). Information is collected on student outcomes (job/graduate school), as well as what experiences students added to their academic experience. The department utilizes the information collected to track trends on student outcomes with all business degrees. Currently the college has a 99% placement rate across all majors.

Alumni feedback is collected regularly through a number of different means. The Alumni Relations group for the college surveys alumni regarding necessary job skills, academic alignment with current industry needs, student preparation, and other items directly related to program assessment and evaluation.

Feedback is also collected online through LinkedIn, as the department encourages its undergraduate students to create and update their profile, and build their network while they are in school, which has led to an increased participation when they are alumni. The department reaches out to alumni through LinkedIn frequently to collect their feedback once they are working full-time and understand their job preparation. LinkedIn is also utilized to search for alumni and track job titles, companies, sectors, and many other valuable information used for career advising and program development.

External Review of Department and Programs occurs every five years and includes a full review of all programs (undergraduate and graduate) as well as a review on the overall department and college as part of the AACSB accreditation process. Feedback is used to help identify areas within the department and programs which may need to be adjusted. Review helps ensure the program is competitive with other comparable programs across the U.S.

Resources:

No new state funds are requested, nor are any new needs expected that would exceed the resources already currently available within the department and college.

Current faculty are adequate to support this proposal. No new additional faculty are expected to be hired beyond replacing current faculty as they depart. The current staff are adequate to support the proposed program, including in the area of student advising. No new staff are expected to be hired beyond replacing current staff as they depart.

Current facilities are adequate. No new renovation or construction will be necessary.

Current library resources are adequate.

There are zero costs associated with this request because all courses are already offered by existing faculty, and these courses have simply been repackaged into a more relevant major in moving from the Entrepreneurship concentration to the proposed BS in SBDE.

Faculty:

Biographies and curriculum vitae of all faculty are available on the Gies College of Business website, https://giesbusiness.illinois.edu/faculty-research/faculty-profiles.

Within the college, the Department of Business Administration has primary responsibility for this major. And, within the department, the Strategy and Entrepreneurship group has primary responsibility for the major. Below are brief prose bios and qualifications of tenured faculty within this group. In addition, this group has approximately six additional untenured and specialized faculty.

Deepak Somaya
Associate Professor of Business Administration and Stephen V. and Christy C. King Faculty Fellow

Educational Background:
Ph.D., Business Administration, University of California at Berkeley, 2002
MBA, Business Administration, Indian Institute of Management at Calcutta, 1992
B. Tech., Mechanical Engineering, Indian Institute of Technology at Bombay, 1990

Somaya's research seeks to understand how companies strategize about and derive competitive advantage from their knowledge assets, particularly their knowledge workers (talent) and intellectual property. As the knowledge economy becomes a reality in the 21st Century, these strategies for mobilizing and leveraging knowledge assets are critical determinants of business success.

Sonali K. Shah
Associate Professor of Business Administration

Educational Background:
Ph.D., Management, Massachusetts Institute of Technology, 2003
B.S.E., Magna Cum Laude, Biomedical Engineering, University of Pennsylvania, 1996
B.S.E., Magna Cum Laude, Economics and Finance, University of Pennsylvania, 1996

Teaches in the areas of strategy, innovation management, organization design, and qualitative research methods. Research interests span innovation, entrepreneurship, and strategy.

Joseph T. Mahoney
Professor of Business Administration and Caterpillar Chair of Business

Educational Background:
Ph.D., Business Economics, University of Pennsylvania, 1989
M.S., Business Economics, University of Pennsylvania, 1984
B.A., Cum Laude, Economics (Mathematics), University of Pennsylvania, 1980

Teaches undergraduate; MBA; Professional MBA; Executive MBA; and Ph.D. courses in strategic management and organizational economics. Research interests in corporate governance and organizational economics including: the behavioral theory of the firm; stakeholder theory; transaction costs theory; property rights theory; agency theory; resource-based theory; and dynamic capabilities & real-options theory.

Melissa Graebner
Professor of Business Administration
(newly hired from Texas @ Austin; joins fall 2019)
Melissa Graebner holds both MBA and Ph.D. degrees from Stanford University. Her research interests include corporate governance, entrepreneurship, mergers and acquisitions and strategic decision making.

Steven C. Michael
Professor of Business Administration

Educational Background:
Ph.D., Business Economics, Harvard University, 1993
MBA, Kellogg School of Management at Northwestern University, 1987
M. Eng., Systems Engineering, University of Virginia, 1981
B.A., Mathematical Sciences, Rice University, 1980

Teaches courses in technology management, new venture creation, and strategy. Research focuses on how individuals and companies exploit innovation to create new markets. Recent projects include theoretical underpinnings of new ventures and understanding the business model of franchising.

In addition, we name the most common instructor for FIN 423.

Mark K Smith
Lecturer of Finance

Educational Background:
MBA, Entrepreneurship, University of Illinois at Urbana-Champaign, 1996
Ph.D., Engineering, University of Illinois at Urbana-Champaign, 1994
M.S., Engineering, University of Illinois at Urbana-Champaign, 1989
B.S., Engineering, University of Illinois at Urbana-Champaign, 1987

This program was approved by the University of Illinois at Urbana-Champaign Senate on September 24, 2018, and the University of Illinois Board of Trustees on November 15, 2018.

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 Affairs

C: Amy Edwards   Jessica Mette
      Ellen Foran   Kim Midden
      Kathy Johnson   Renee Nagy
      Kristi Kuntz   Emily Stuby
      Chris Lehman   Nathan Wilds
      Kathy Martensen   Aubrie Williams
      Cathy Menacher   Barbara Wilson

10KS0331MS: STATISTICS: APPLIED, MS

In Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. 1583 Head (libo@illinois.edu)
3. KV Dean (las-catalog@illinois.edu)
4. University Librarian (jpwilkin@illinois.edu)
5. Grad_College (agrindly@illinois.edu; jch@illinois.edu; lowry@illinois.edu)
6. Provost (kmartens@illinois.edu)
7. Senate EPC (bjlehman@illinois.edu; moorhouz@illinois.edu; kmartens@illinois.edu)
8. Senate (jtempel@illinois.edu)
9. U Senate Conf (none)
10. Board of Trustees (none)
11. IBHE (none)
12. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

Approval Path

1. Wed, 27 Jan 2021 17:38:22 GMT
   Deb Forgacs (dforgacs): Approved for U Program Review
2. Wed, 27 Jan 2021 17:49:46 GMT
   Bo Li (libo): Approved for 1583 Head
3. Thu, 04 Feb 2021 21:17:58 GMT
   Amy Elli (amyelli): Approved for KV Dean
4. Thu, 04 Feb 2021 21:27:02 GMT
   John Wilkin (jpwilkin): Approved for University Librarian
5. Thu, 25 Feb 2021 17:20:08 GMT
   Allison McKinney (agrindly): Approved for Grad_College
6. Thu, 04 Mar 2021 16:39:27 GMT
   Kathy Martensen (kmartens): Approved for Provost

History

1. Jul 17, 2019 by Deb Forgacs (dforgacs)

Date Submitted:Wed, 27 Jan 2021 15:26:40 GMT

Viewing:10KS0331MS : Statistics: Applied, MS

Changes proposed by: Beth McKown

Proposal Type

Proposal Type:

Concentration (ex. Dietetics)

This proposal is for a:

Revision

Proposal Title:

If this proposal is one piece of a multi-element change please include the other impacted programs here. *example: A BS revision with multiple concentration revisions*

Administrative approval: Update of Degree Requirements for the M.S. in Statistics, Applied Statistics Concentration, in the Department of Statistics, within the College of Liberal Arts and Sciences

EP Control Number

EP.21.073

Official Program Name

Statistics: Applied, MS

Effective Catalog Term

Fall 2021

Sponsor College

Liberal Arts & Sciences

Sponsor Department

Statistics

Sponsor Name

Darren Glosemeyer, Senior Instructor and MS Program Director

Sponsor Email

glosemey@illinois.edu

College Contact

Kelly Ritter

College Contact Email

ritterk@illinois.edu

Program Description and Justification

Justification for proposal change:

This proposal is to update the degree requirements for the MS in Statistics, Applied Statistics Concentration. The proposal allows for additional flexibility in course selections in a landscape of ever-increasing statistical course options both within the Department of Statistics and in related fields relevant to the PhD students who enroll in this program.
The regression requirement is updated to STAT 425 or STAT 527 to match that currently being proposed for the other Statistics MS programs. STAT 424 is allowed as an elective as in the other programs.
The 0-4 hour requirement of STAT 427 Statistical Consulting (or experience in applied statistics) or STAT 593 STAT Internship

is also removed as all students admitted to this program automatically meet the "or experience in applied statistics" option by virtue of their PhD programs. The other two listed courses could be taken as electives meeting other requirements if desired.

The minimum GPA is also modified to match the requirement for the other Statistics MS programs.

The program has existed for many years and provides additional statistical foundation to students pursuing PhDs in fields where depth of knowledge in statistical analysis is a substantial asset. The program augments their primary education and enhances their research abilities and value to employers after completion.

Is this program interdisciplinary?

No

Corresponding Program(s):

Corresponding Program(s)
Statistics, MS

Academic Level

Graduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

We expect no change in enrollment

What is the typical time to completion of this program?

Students complete the degree requirements over the course of their PhD studies. Students transfer to the Statistics Department for at least one semester, but can complete coursework before or after that semester.

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

32

Delivery Method

Is this program available on campus and online?

No

This program is available:

On Campus

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

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.

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.

None

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.

None

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

Financial Resources

How does the unit intend to financially support this proposal?

No additional support or resources are needed.

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

No

Is this program requesting self-supporting status?

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

AppliedStatisticsMS10KS0331MSRevisionFall2020.doc
Applied Statistics MS Comparative Table.docx
Academic Catalog Entry Applied Statistics MS.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

Statement for Programs of Study Catalog

Code	Title	Hours
STAT 410/MATH 464	Statistics and Probability II (or equivalent proficiency - may be waived with approval)	0-4
STAT 425	Statistical Modeling I	4
or STAT 527	Advanced Regression Analysis	
STAT 427	Statistical Consulting (or experience in applied statistics)	0-4
or STAT 593	STAT Internship	
Select one of the following:		**4**
STAT 424	Analysis of Variance	
STAT 425	Statistical Modeling I	
STAT 426	Statistical Modeling II	
STAT 428	Statistical Computing	
STAT 429	Time Series Analysis	
STAT 525	Computational Statistics	
STAT 571	Multivariate Analysis (if not used to fulfill another requirement)	
Select two elective STAT courses from a Departmental Course List (https://stat.illinois.edu/academics/graduate-programs/degree-programs/ms-statistics-applied/)		8
Five graduate courses must be completed in your primary field, in an area relevant to the field of Statistics. STAT electives not used to meet other requirements may also be used.		20
Total hours		**32-36**

Other Requirements

Requirement	Description
Other requirements may overlap	
A concentration is not required.	
Minimum 500-level Hours Required Overall:	12
Minimum GPA:	2.75

EP Documentation

DMI Documentation

Banner/Codebook Name

MS:Statistics -- Applied -UIUC

Program Code:

10KS0331MS

Conc Code

0331

Degree Code

MS

Major Code

0329

Program Reviewer Comments

Allison McKinney (agrindly) (Thu, 25 Feb 2021 17:20:04 GMT): Admin approval
Kathy Martensen (kmartens) (Thu, 04 Mar 2021 16:39:25 GMT): Admin approval: No change to total hours required, doesn't restrict students' options.

Key: 782

for the degree of Master of Science in Statistics, Applied Statistics Concentration

Department Chair: Bo Li

Associate Department Chair: Jeff Douglas

PhD Program Director: Xiaofeng Shao

MS Program Director: Darren Glosemeyer

MS advisors: Tori Ellison, Hyoeun Lee

Graduate Contact: Aaron Thompson

department website: http://www.stat.illinois.edu/

college website: https://las.illinois.edu/

overview of graduate college admissions & requirements: Graduate Admissions

department office: 101 Illini Hall, 725 South Wright Street, Champaign, IL 61820

phone: (217) 333-2167

email: stat-office@illinois.edu

The Department of Statistics offers the Master of Science in Statistics with specialization in a variety of areas of application. The degree program consists of a core of statistics courses covering statistical theory, linear models, and statistical consulting, and further coursework in the field of application and in statistics. The program offers an additional degree for students earning an advanced degree in the area of application.

To be eligible for this program, students must be pursuing an advanced degree in a department other than Statistics at the Urbana-Champaign campus. Students interested in economic statistics should apply for the applied concentration. Full statements of degree requirements are available from the head of the unit offering a specialization or from the Graduate Advisor of the Department of Statistics.

Graduate Degree Programs in Statistics

Statistics, MS

concentrations:

Analytics|Applied

Statistics, PhD

concentration:

Computational Science & Engineering

Graduate Minor in Statistics

Admission

Graduate College admission requirements apply. Students are expected to have a strong undergraduate mathematics background, but need not have an undergraduate statistics or mathematics degree. Students may be admitted with deficiencies, which are to be removed during the first year of graduate work. A minimum Test of English as a Foreign Language (TOEFL) score of 590 for the paper-based test or 243 for the computer-based test is required for students whose native language is not English. The Graduate Record Examination (GRE) is required. The department offers Ph.D. admissions for the fall only.

Graduate Teaching Experience

Although teaching is not a general Graduate College requirement, experience in teaching is considered an important part of the graduate experience in the Ph.D. program.

Financial Aid

Financial aid is available primarily in the form of teaching assistantships, research assistantships, and fellowships. For further information write to the Graduate Admissions Committee, Department of Statistics.

Applied Statistics, MS
Comparative Table of Proposed Changes

Current Requirements	Current Hours	Proposed Requirements	Proposed Hours
STAT 410/MATH 464 — Statistics and Probability II (or equivalent proficiency)	4	STAT 410/MATH 464 — Statistics and Probability II (or equivalent proficiency [may be waived with approval])	0-4
STAT 425 — Applied Regression and Design or STAT 424 — Analysis of Variance	4	STAT 425 — Applied Regression and Design or STAT 527 — Advanced Regression Analysis	4
STAT 427 — Statistical Consulting (or experience in applied statistics) or STAT 593 — STAT Internship	0-4		
Select one of the following: STAT 424 — Analysis of Variance STAT 425 — Applied Regression and Design STAT 426 — Sampling and Categorical Data STAT 428 — Statistical Computing STAT 429 — Time Series Analysis STAT 525 — Computational Statistics STAT 571 — Multivariate Analysis (if not used to fulfill another requirement)	4	Select two elective STAT courses from a Departmental Course List	8
Five graduate courses must be completed in your primary field,	20	Five graduate courses must be completed in your primary field, in an area relevant to the field of	20

in an area relevant to the field of Statistics.		Statistics. STAT electives not used to meet other requirements may also be used.	
Total Hours	32-36	Total Hours	32-36
Other requirements may overlap		Other requirements may overlap	
A concentration is not required		A concentration is not required	
Minimum 500-level Hours Required Overall:	12	Minimum 500-level Hours Required Overall:	12
Minimum GPA:	3.0	Minimum GPA:	2.75

ILLINOIS

Proposal for revised curricula (degree, major, concentration, minor)

Submit completed proposals via email to Associate Dean Kelly Ritter (ritterk@illinois.edu). Please obtain Executive Officer and School Director (if applicable) approval via email and forward with the proposal to LAS.

Proposal Title: Update of Degree Requirements for the M.S. in Statistics, Applied Statistics Concentration, in the Department of Statistics, College of Liberal Arts and Sciences.

For proposals with concentrations- will you admit to the concentration(s) directly? Is a concentration required for graduation?

Yes, students are admitted to the concentration directly as is currently the case. The program is a concentration itself; an additional concentration is not required.

Proposed effective date: Fall 2021

Sponsor(s): Darren Glosemeyer, Senior Instructor and MS Program Director, Department of Statistics, College of Liberal Arts and Sciences, glosemey@illinois.edu

College contact: Kelly Ritter, Associate Dean for Curricula and Academic Policy, College of Liberal Arts and Sciences, ritterk@illinois.edu

PROGRAM DESCRIPTION and JUSTIFICATION

1) **Provide a brief description but concise description of your proposal.**

This proposal is to update the degree requirements for the MS in Statistics, Applied Statistics Concentration. The proposal allows for additional flexibility in course selections in a landscape of ever-increasing statistical course options both within the Department of Statistics and in related fields relevant to the PhD students who enroll in this program.

The regression requirement is updated to STAT 425 or STAT 527 to match that currently being proposed for the other Statistics MS programs. STAT 424 is allowed as an elective as in the other programs.

The 0-4 hour requirement of

STAT 427   Statistical Consulting (or experience in applied statistics)

| | or [STAT 593](#) | STAT Internship |

is also removed as all students admitted to this program automatically meet the "or experience in applied statistics" option by virtue of their PhD programs. The other two listed courses could be taken as electives meeting other requirements if desired.

The minimum GPA is also modified to match the requirement for the other Statistics MS programs.

2) **Provide a justification of the program**, including how your unit decided to create this program, highlights of the program objectives, and the careers, occupations, or further educational opportunities for which the program will prepare graduates, when appropriate.

The program has existed for many years and provides additional statistical foundation to students pursuing PhDs in fields where depth of knowledge in statistical analysis is a substantial asset. The program augments their primary education and enhances their research abilities and value to employers after completion.

3) In addition, please provide an answer as to how your undergraduate degree (120 hours of coursework) will satisfy this requirement: IBHE requires that all degree programs contain at least 40 credit hours in upper division courses. Upper division courses have been described as 300- and 400-level coursework and some 200-level courses in which multiple prerequisites are required.

NA, as this is an MS proposal.

Is this program interdisciplinary? No

 If a proposal for a concentration-

> **will you admit to the concentration directly?** Yes

> **is a concentration required for graduation?** No

Will specialized accreditation be sought for this program? No

ADMISSION REQUIREMENTS

1) Desired admissions term: *For LAS units, a fall semester effective term for all curricula will be requested, please indicate the proposed year*

> **Fall,** 2021_____
> **Is this revision a change to the admission status of the program?** No

2) 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. (degrees, majors, concentrations ONLY)

No changes to the current admissions requirements are proposed.

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

No changes to the current admissions and advising functions are proposed.

ENROLLMENT

1) Describe how this revision will impact enrollment and degrees awarded.

We expect no change in enrollment.

2) Estimated Annual Number of Degrees Awarded**(degrees, majors, concentrations ONLY)**

No change is expected in number of degrees.

3) What is the matriculation term for this program?   Spring

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

Students complete the degree requirements over the course of their PhD studies. Students transfer to the Statistics Department for at least one semester, but can complete coursework before or after that semester.

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

32

6) Delivery Method, what is the program's primary delivery method?

Face to Face, but students may take some courses offered online to the extent allowed by their student status.

BUDGET

1) Please describe any budgetary implications for this revision- addressing applicable personnel, facilities, technology and supply costs.

There are no additional budgetary implications of this proposal.

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

3) Please provide any additional budget information needed to effectively evaluate the proposal.

None

RESOURCE IMPLICATIONS

1) Facilities- Will the program require new or additional facilities or significant improvements to already existing facilities? No

2) Technology- Will the program need additional technology beyond what is currently available for the unit? No

3) Non-Technical Resources- Will the program require additional supplies, services or equipment (non-technical)? No

RESOURCES

1) 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.

None

2) 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.

None

3) 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? If yes, please describe.

No

4) Does this new program/proposed change result in the replacement of another program? If yes, please specify the program.

No

5) Does the program include any required or recommended subjects that are offered by other departments? If yes, please list the courses. Explain how these additional courses will be used by the program and provide letters of support from the departments.

Electives are allowed from a wide range of disciplines on campus. No specific courses are required from any other departments. There is no change in this regard.

FINANCIAL RESOURCES

1) How does the unit intend to financially support this proposal?

There will be no financial changes needed.

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

No

3) Are you seeking a change in the tuition rate or differential for this program? (degrees, majors, concentrations ONLY) *If this program requires a tuition or differential change, initiate a discussion with the LAS curricula contact, LAS budget officer, and LAS Associate Dean.*

No

4) Is this program requesting self-supporting status? (degrees, majors and concentrations ONLY)? If yes, please explain.

No

PROGRAM REGULATION & ASSESSMENT

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

The program does not align with licensures, certifications or entitlement requirements. Assessment will be in line with the MS in Statistics.

2) Is the career/profession for graduates of this program regulated by the State of Illinois? If yes, please describe.

No

ACADEMIC CATALOG ENTRY

1) All proposals must submit the major requirements (courses, hours) for the proposed curricula. Please see the University of Illinois Academic Catalog- http://catalog.illinois.edu/ for your unit for an example of the entry.

2) Include a comparative table of the current and proposed requirements.

Current Requirements	Current Hours	Proposed Requirements	Proposed Hours
STAT 410/MATH 464 Statistics and Probability II (or equivalent proficiency)	4	STAT 410/MATH 464 Statistics and Probability II (or equivalent proficiency [may be waived with approval])	0-4
STAT 425 Applied Regression and Design or STAT 424 Analysis of Variance	4	STAT 425 Applied Regression and Design or STAT 527 Advanced Regression Analysis	4
STAT 427 Statistical Consulting (or experience in applied statistics) or STAT 593 STAT Internship	0-4		
Select one of the following: STAT 424 Analysis of Variance STAT 425 Applied Regression and Design STAT 426 Sampling and Categorical Data STAT 428 Statistical Computing STAT 429 Time Series Analysis STAT 525 Computational Statistics STAT 571 Multivariate Analysis (if not used to fulfill another requirement)	4	Select two elective STAT courses from a Departmental Course List	8
Five graduate courses must be completed in your primary field, in an area relevant to the field of Statistics.	20	Five graduate courses must be completed in your primary field, in an area relevant to the field of Statistics. STAT electives not	20

		used to meet other requirements may also be used.	
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