

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

EP.22.020 Report of Administrative Approvals through October 4, 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 October 4, 2021. Additional information for each approval is attached.

**A. Graduate Programs**

- 1) **MS in Statistics** – in the list of courses from which students are to select one, add STAT 528, Advanced Regression Analysis (4 hours); STAT 533, Advanced Stochastic Processes (4 hours); and STAT 556, Advanced Time Series Analysis (4 hours). There is no change to the total number of hours required for the degree.
- 2) **Analytics Concentration in the MS in Statistics** – revise the required courses list to note that STAT 410.MATH 464, Statistics and Probability II, or equivalent proficiency, may be waived with approval. In the first list of courses from which students are to select one, add STAT 528, Advanced Regression Analysis (4 hours); STAT 533, Advanced Stochastic Processes (4 hours); and STAT 556, Advanced Time Series Analysis (4 hours). In the second list of courses from which students are to select one, add STAT 447, Data Science Programming Methods (4 hours). There is no change to the total number of hours required for the degree.
- 3) **Statistics Departmental Course List for Graduate Programs in Statistics** – add STAT 447, Data Science Programming Methods (4 hours); STAT 528, Advanced Regression Analysis (4 hours); STAT 533, Advanced Stochastic Processes (4 hours); STAT 556, Advanced Time Series Analysis (4 hours); STAT 576 - Empirical Process Theory and Weak Convergence (4 hours). The revisions to this course list do not alter the total number of hours required for any major, minor, or concentration.

**B. Undergraduate Programs**

- 1) **BS in Media and Cinema Studies** – the rubric for 21<sup>st</sup> Century Documentaries has been revised from MDIA 380 to MACS 380 (3 hours). The list of Thematic Area courses from which students select 5 additional courses from at least 2 areas needs to be updated to reflect this change in the Media Industries & Cultures Area and the Media Making, Design and Research area. There is no impact on the number of hours required in any area or for the degree.



# 10KS0329MS: STATISTICS, MS

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## Completed 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; 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. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

## Approval Path

1. Thu, 15 Oct 2020 20:56:59 GMT  
Deb Forgacs (dforgacs): Approved for U Program Review
2. Thu, 15 Oct 2020 21:29:11 GMT  
Bo Li (libo): Approved for 1583 Head
3. Thu, 15 Oct 2020 23:29:59 GMT  
Kelly Ritter (ritterk): Approved for KV Dean
4. Fri, 16 Oct 2020 00:12:54 GMT  
John Wilkin (jpwilkin): Approved for University Librarian
5. Wed, 04 Nov 2020 18:37:56 GMT  
Allison McKinney (agrindly): Approved for Grad\_College
6. Wed, 04 Nov 2020 22:27:49 GMT  
Kathy Martensen (kmartens): Approved for Provost
7. Tue, 17 Nov 2020 16:26:41 GMT  
Barbara Lehman (bjlehman): Approved for Senate EPC
8. Tue, 08 Dec 2020 15:57:28 GMT  
Jennifer Roether (jtempel): Approved for Senate
9. Fri, 29 Jan 2021 23:37:38 GMT  
Kathy Martensen (kmartens): Approved for U Senate Conf
10. Tue, 09 Feb 2021 15:19:42 GMT  
Emily Stuby (eastuby): Approved for DMI

## History

1. Oct 11, 2019 by Mary Lowry (lowry)
2. Oct 7, 2020 by Amy Elli (amyelli)
3. Feb 9, 2021 by Beth McKown (bmckown1)

Date Submitted: Wed, 22 Sep 2021 20:54:03 GMT

## Viewing: 10KS0329MS : Statistics, MS

Changes proposed by: Beth McKown

### Proposal Type:

Major (ex. Special Education)

### This proposal is for a:

Revision

## Administration Details

### Official Program Name

Statistics, MS

### Sponsor College

Liberal Arts & Sciences

### Sponsor Department

Statistics

### Sponsor Name

Jeff Douglas, Associate Chair and Darren Glosemeyer, Senior Instructor and Director MS Program

### Sponsor Email

jeffdoug@illinois.edu and glosemey@illinois.edu

### College Contact

Stephen R. Downie

### College Contact Email

sdownie@illinois.edu

### College Budget Officer

Michael Wellens

### College Budget Officer Email

wellens@illinois.edu

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

Darren Glosemeyer, Senior Instructor and Director MS Program, glosemey@illinois.edu

### Does this program have inter-departmental administration?

No

## Proposal Title

### Effective Catalog Term

Fall 2022

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

Administrative approval: Revision of recently approved STAT courses as options in the MS in Statistics and MS in Statistics with Analytics Concentration

## Program Justification

### Why are these changes necessary?

The following courses were recently approved and have not yet been added as electives/alternatives in the Statistics MS degree requirements:

STAT 447 - Data Science Programming Methods

STAT 528 - Advanced Regression Analysis II

STAT 533 - Advanced Stochastic Processes

STAT 556 - Advanced Time Series Analysis

STAT 576 - Empirical Process Theory and Weak Convergence

STAT 447 is a computing course that has been running as a 430 Topics course for a few years, and the others are more advanced versions or extensions of courses already listed in the curriculum.

The proposed revision would include these courses as alternatives and electives in the Statistics MS programs' requirements where appropriate. Specific additions are in the Academic Catalog Entry Appendix.

## Instructional Resources

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

No

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

No

## Program Regulation and Assessment

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

No changes to the current assessment process are proposed.

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

StatisticsMSCurriculaAdditions2021Rev.doc

Statistics MS Comparative Table.docx

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

Catalog Page Text - Overview Tab

**Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.**

See Word document attached for update to Overview tab

### Statement for Programs of Study Catalog

Code	Title	Hours
STAT 510	Mathematical Statistics	4
Select one of the following:		
STAT 425	Statistical Modeling I	4
or STAT 527	Advanced Regression Analysis	
Select one of the following:		
STAT 424	Analysis of Variance	4
STAT 426	Statistical Modeling II	
STAT 429	Time Series Analysis	
STAT 431	Applied Bayesian Analysis	
STAT 433	Stochastic Processes	
STAT 528	Advanced Regression Analysis II	
STAT 533	Advanced Stochastic Processes	
STAT 556	Advanced Time Series Analysis	
Five elective courses from Departmental List (See Course List Tab)		20
STAT 427	Statistical Consulting (or experience in applied statistics)	0-4
or STAT 593	STAT Internship	
or STAT 443	Professional Statistics	
STAT 410/MATH 464	Statistics and Probability II (or equivalent proficiency - may be waived with approval)	0-4
<b>Total hours</b>		<b>32-36</b>

## Other Requirements

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

## Corresponding Degree

MS Master of Science

## Program Features

### Academic Level

Graduate

### Does this major have transcribed concentrations?

No

### What is the typical time to completion of this program?

2 years

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

32

### What is the required GPA?

2.75

### CIP Code

270501 - Statistics, General.

### Is This a Teacher Certification Program?

No

### Will specialized accreditation be sought for this program?

No

## **Delivery Method**

**This program is available:**

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

## **Enrollment**

**Describe how this revision will impact enrollment and degrees awarded.**

No enrollment impacts are expected.

**Estimated Annual Number of Degrees Awarded**

**What is the matriculation term for this program?**

Fall

## **Budget**

**Are there budgetary implications for this revision?**

No

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

No

## **Financial Resources**

**How does the unit intend to financially support this proposal?**

There are no financial implications as the courses are already being taught.

**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?**

No

**Is this program requesting self-supporting status?**

No



## Resource Implications

### Facilities

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

No

### Technology

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

No

### Non-Technical Resources

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

No

## Resources

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

### 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.

There are no resource impacts. The courses are already being taught and the proposal would formally add them as options for the MS degrees.

### Library Resources

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

Current collections and services are adequate for the proposed program.

## EP Documentation

### EP Control Number

EP.22.020

**This proposal requires HLC inquiry**

No

## **DMI Documentation**

### **Banner/Codebook Name**

MS:Statistics -UIUC

### **Program Code:**

10KS0329MS

### **Degree Code**

MS

### **Major Code**

0329

### **Program Reviewer Comments**

**Deb Forgacs (dforgacs) (Mon, 27 Sep 2021 16:20:17 GMT):**Re-entered the proposal type, the corresponding program and the CIP code due to system bug 09/27/2021

**Allison McKinney (agrindly) (Wed, 29 Sep 2021 19:59:30 GMT):**Administratively approved by the Graduate College

**Kathy Martensen (kmartens) (Thu, 30 Sep 2021 21:44:28 GMT):**Administrative approval: No change to total hours required, does not restrict students' options.

Key: 58

The locations of the proposed additions are highlighted in the following tables. Unhighlighted portions are the current catalog course listings.

**Master of Science in Statistics**  
[Statistics, MS < University of Illinois](#)

Code	Title	Hours
<u>STAT 510</u>	Mathematical Statistics	4
Select one of the following:		
<u>STAT 425</u> or <u>STAT 527</u>	Statistical Modeling I Advanced Regression Analysis	4
Select one of the following:		
<u>STAT 424</u>	Analysis of Variance	4
<u>STAT 426</u>	Statistical Modeling II	
<u>STAT 429</u>	Time Series Analysis	
<u>STAT 431</u>	Applied Bayesian Analysis	
<u>STAT 433</u>	Stochastic Processes	
<b>STAT 528</b>	<b>Advanced Regression Analysis II</b>	
<b>STAT 533</b>	<b>Advanced Stochastic Processes</b>	
<b>STAT 556</b>	<b>Advanced Time Series Analysis</b>	
Five elective courses from Departmental List (See Course List Tab)		20
<u>STAT 427</u> or <u>STAT 593</u> or <u>STAT 443</u>	Statistical Consulting (or experience in applied statistics) STAT Internship Professional Statistics	0-4
<u>STAT 410/MATH 464</u>	Statistics and Probability II (or equivalent proficiency- may be waived with approval)	0-4
<b>Total hours</b>		<b>32-36</b>

Course List

**Other Requirements**

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

Courses to be added to the elective **Course List Tab**:  
**STAT 447 - Data Science Programming Methods**

STAT 528 - Advanced Regression Analysis II

STAT 533 - Advanced Stochastic Processes

STAT 556 - Advanced Time Series Analysis

STAT 576 - Empirical Process Theory and Weak Convergence

**Appendix A:**  
Comparative Table of Proposed Changes  
Statistics, MS

Current Requirements	Hours	Proposed Requirements	Hours
STAT 510 Mathematical Statistics I	4	STAT 510 Mathematical Statistics I	4
STAT 425 Applied Regression and Design	4	Select one of the following: STAT 425 Applied Regression and Design or STAT 527 Advanced Regression Analysis	4
STAT 427 or STAT 593 Statistical Consulting (or experience in applied statistics) STAT Internship	0-4		
Select one of the following:	4	Select one of the following:	4
STAT 424 Analysis of Variance		STAT 424 Analysis of Variance	
STAT 426 Sampling and Categorical Data		STAT 426 Sampling and Categorical Data	
STAT 429 Time Series Analysis		STAT 429 Time Series Analysis	
STAT 430 Topics in Applied Statistics		STAT 431 Applied Bayesian Analysis	
STAT 578 Topics in Statistics		STAT 433 Stochastic Processes	
		Five elective courses from departmental list	20
		STAT 427 Statistical Consulting (or experience in applied statistics) or STAT 593 STAT Internship or STAT 443 Professional Statistics	0-4

STAT 410/MATH 464 Statistics and Probability II (or equivalent proficiency [may be waived with approval])	4	STAT 410/MATH 464 Statistics and Probability II (or equivalent proficiency [may be waived with approval])	4
Choose one option:	20		
Concentration specific requirements			
Five elective courses found on the Departmental Course List tab			
Total hours	32-36	Total hours	32-36
Other Requirements		Other Requirements	
Other Requirements may overlap		Grad Other Degree Requirements	
A concentration is not required.		Requirement	
Minimum 500-level Hours Required Overall:	12	Other Requirements may overlap	
		A concentration is not required.	
Minimum GPA:	2.75	Minimum 500-level Hours Required Overall:	12
		Minimum GPA:	2.75



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

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

**Proposal Title:** Inclusion of recently approved STAT courses as options in the MS in Statistics and MS in Statistics with Analytics Concentration

**Proposed effective date:** Fall 2022

**Sponsor(s):** Darren Glosemeyer, Director of the Master's Program and Senior Instructor of Statistics, glosemey@illinois.edu

**College contact:** Stephen R. Downie, Interim Associate Dean for Curricula and Academic Policy, College of Liberal Arts and Sciences, sdownie@illinois.edu

### PROGRAM DESCRIPTION and JUSTIFICATION

- 1) **Provide a brief description but concise description of your proposal.** The following courses were recently approved and have not yet been added as electives/alternatives in the Statistics MS degree requirements:

STAT 447 - Data Science Programming Methods  
STAT 528 - Advanced Regression Analysis II  
STAT 533 - Advanced Stochastic Processes  
STAT 556 - Advanced Time Series Analysis  
STAT 576 - Empirical Process Theory and Weak Convergence

STAT 447 is a computing course that has been running as a 430 Topics course for a few years, and the others are more advanced versions or extensions of courses already listed in the curriculum.

The proposed revision would include these courses as alternatives and electives in the Statistics MS programs' requirements where appropriate. Specific additions are in the Academic Catalog Entry Appendix.

**Is this program interdisciplinary?** No

**If a proposal for a concentration-** NA

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, \_\_\_\_\_

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)

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

## ENROLLMENT

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

No enrollment impacts are expected.

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

Year 1:

Year 5 (or when fully implemented):

3) What is the matriculation term for this program? Fall OR Spring/summer/other

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

*Note: grad certificates require at least 10 weeks. Other examples: BALAS= 4years, MA=2.5 years*

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

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

On Campus; Online & On campus; Online Only; Other- specify

If NOT on campus, please describe the use of this delivery method:

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5) MINORS ONLY:

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

## BUDGET

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



None

**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

*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.*

**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.**

There are no resource impacts. The courses are already being taught and the proposal would formally add them as options for the MS degrees.

**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.**

Current collections and services are adequate for the proposed program.

**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? No**

**4) Does the program include other courses impacted by the revision of this program? If yes, please list the courses. Explain how the inclusion or removal of the courses impacts the offering departments and provide letters of support from the departments. No impact**

## **FINANCIAL RESOURCES**

- 1) How does the unit intend to financially support this proposal?** There are no financial implications as the courses are already being taught.
- 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?** 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.**

No changes to the current assessment process are proposed.

- 2) Is the career/profession for graduates of this program regulated by the State of Illinois?** 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.

The locations of the proposed additions are highlighted in the following tables. Unhighlighted portions are the current catalog course listings.

### Master of Science in Statistics

[Statistics, MS < University of Illinois](#)

Code	Title	Hours
<u>STAT 510</u>	Mathematical Statistics	4
Select one of the following:		
<u>STAT 425</u> or <u>STAT 527</u>	Statistical Modeling I Advanced Regression Analysis	4
Select one of the following:		
<u>STAT 424</u>	Analysis of Variance	4
<u>STAT 426</u>	Statistical Modeling II	
<u>STAT 429</u>	Time Series Analysis	
<u>STAT 431</u>	Applied Bayesian Analysis	
<u>STAT 433</u>	Stochastic Processes	
<u>STAT 528</u>	<b>Advanced Regression Analysis II</b>	
<u>STAT 533</u>	<b>Advanced Stochastic Processes</b>	
<u>STAT 556</u>	<b>Advanced Time Series Analysis</b>	
Five elective courses from Departmental List (See Course List Tab)		20
<u>STAT 427</u> or <u>STAT 593</u> or <u>STAT 443</u>	Statistical Consulting (or experience in applied statistics) STAT Internship Professional Statistics	0-4
<u>STAT 410/MATH 464</u>	Statistics and Probability II (or equivalent proficiency- may be waived with approval)	0-4
<b>Total hours</b>		<b>32-36</b>

Course List

### Other Requirements

Requirement

Description

Other Requirements may overlap

Requirement	Description
A concentration is not required.	
Minimum 500-level Hours Required Overall:	12
Minimum GPA:	2.75
Grad Other Degree Requirements	

Courses to be added to the elective **Course List Tab**:  
 STAT 447 - Data Science Programming Methods  
 STAT 528 - Advanced Regression Analysis II  
 STAT 533 - Advanced Stochastic Processes  
 STAT 556 - Advanced Time Series Analysis  
 STAT 576 - Empirical Process Theory and Weak Convergence

**Master of Science in Statistics, Analytics Concentration**  
[Statistics: Analytics Concentration, MS < University of Illinois](#)

Code	Title	Hours
<u>STAT 410/MATH 464</u>	Statistics and Probability II (or equivalent proficiency- may be waived with approval)	0-4
<u>STAT 440</u>	Statistical Data Management	4
<u>STAT 448</u>	Advanced Data Analysis	4
<u>STAT 510</u>	Mathematical Statistics	4
<u>STAT 542</u>	Statistical Learning	4
Select one of the following:		4
<u>STAT 425</u> or <u>STAT 527</u>	Statistical Modeling I Advanced Regression Analysis	
Select one of the following:		4
<u>STAT 424</u>	Analysis of Variance	
<u>STAT 426</u>	Statistical Modeling II	
<u>STAT 429</u>	Time Series Analysis	
<u>STAT 431</u>	Applied Bayesian Analysis	
<u>STAT 433</u>	Stochastic Processes	
<u>STAT 528</u>	<b>Advanced Regression Analysis II</b>	
<u>STAT 533</u>	<b>Advanced Stochastic Processes</b>	
<u>STAT 556</u>	<b>Advanced Time Series Analysis</b>	
Select one of the following:		4
<u>STAT 428</u>	Statistical Computing	

Code	Title	Hours
<a href="#">STAT 432</a>	Basics of Statistical Learning	
<a href="#">STAT 447</a>	Data Science Programming Methods	
<a href="#">STAT 480</a>	Data Science Foundations	
<a href="#">CS 412</a>	Introduction to Data Mining	
Select one of the following:		4
<a href="#">STAT 427</a>	Statistical Consulting	
<a href="#">STAT 593</a>	STAT Internship	
<a href="#">STAT 443</a>	Professional Statistics	
Select one of the following:		4
<a href="#">STAT 525</a>	Computational Statistics	
<a href="#">STAT 546</a>	Machine Learning in Data Science	
<a href="#">STAT 571</a>	Multivariate Analysis	
<a href="#">CS 512</a>	Data Mining Principles	
<b>Total hours</b>		<b>36-40</b>

Course List

**Other Requirements**

Requirement	Description
Other requirements may overlap	
Minimum 500-level Hours Required Overall:	12
Minimum GPA:	2.75
Grad Other Degree Requirements	





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## Proposal to the Senate Educational Policy Committee

**PROPOSAL TITLE:** Revising the MS in Statistics (10KS0329MS) in the Department of Statistics and College of Liberal Arts & Sciences

**SPONSOR:** Darren Glosemeyer, Senior Instructor and MS Program Director, Department of Statistics, 300-0282, glosemey@illinois.edu

**COLLEGE CONTACT:** Kelly Ritter, Associate Dean for Curricula and Academic Policy, 333-1350, ritterk@illinois.edu

**BRIEF DESCRIPTION:** The Department of Statistics in the College of Liberal Arts & Sciences has developed and is now offering numerous courses in response to expansion of the field in recent years. The program requirements have not fully been updated for these additions. This proposal would incorporate the expanded coursework options into the curriculum. With the exception of making Stat 430 Topics in Applied Statistics a purely elective course, this proposal only expands students' coursework options within the degree requirements.

**JUSTIFICATION:** The field of statistics and the course offerings from the department have greatly increased in recent years, and the curriculum is in need of update for these increased offerings. Additions to the curriculum are all in the form of increased choice in electives or choice in areas where there is choice of a small number of courses.

The only courses in the current degree requirements which are proposed to move to strictly elective courses are Stat 430 Topics in Applied Statistics and Stat 578 Topics in Statistics. These courses are special topic courses, and are currently allowed as selections from a group of courses. The topic for these two courses can and does change semester to semester. When the curriculum requirements were last updated, the topics were less varied and tended to be more foundational in nature. Now with new foundational courses with their own numbers added to the catalog and a wide variety of topics covered in different sections of Stat 430 and Stat 578, the courses generally cover valuable elective material rather than foundations of the field.

**BUDGETARY AND STAFF IMPLICATIONS:** There are no budgetary or staff implications for the changes. The courses are already being taught and allowed as substitutions within the current curriculum. Faculty, staff, space, and technology resources will not be impacted.

**DESIRED EFFECTIVE DATE:** upon implementation

**STATEMENT FOR ACADEMIC CATALOG:**

## Edits to the Statistics Graduate Program listing

### Statistics

<http://www.stat.illinois.edu>

Chair of the Department: **Bo Li**  
Director of Ph.D. Program: Xiaofeng Shao  
Director of M.S. Program: **Darren Glosemeyer**  
M.S. Advisors: **Karle Flanagan, Christopher Kinson**  
Contact: Aaron Thompson  
101 Illini Hall  
725 South Wright Street  
Champaign, IL 61820  
(217) 333-2167  
[stat-office@illinois.edu](mailto:stat-office@illinois.edu)

Major: Statistics  
Degrees Offered: M.S., Ph.D.  
Graduate Minor: Statistics  
Graduate Concentrations: Analytics (M.S. only), Applied Statistics (M.S. only)

## Graduate Degree Programs

The Department of Statistics offers graduate study leading to the Master of Science in Statistics, the Master of Science in Statistics with specialization in various areas of application, and the Doctor of Philosophy 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.

### Statistics MS

<a href="#">STAT 510</a>	Mathematical Statistics I	4
Select one of the following:		4
<a href="#">STAT 425</a>	Applied Regression and Design	
or <a href="#">STAT 527</a>	Advanced Regression Analysis	
Select one of the following:		4
<a href="#">STAT 424</a>	Analysis of Variance	
<a href="#">STAT 426</a>	Sampling and Categorical Data	
<a href="#">STAT 429</a>	Time Series Analysis	
<a href="#">STAT 431</a>	Applied Bayesian Analysis	
<a href="#">STAT 433</a>	Stochastic Processes	
Five elective courses from departmental list		20
<a href="#">STAT 427</a>	Statistical Consulting (or experience in applied statistics)	0-4
or <a href="#">STAT 593</a>	STAT Internship	
or <a href="#">STAT 443</a>	Professional Statistics	
<a href="#">STAT 410/</a> <a href="#">MATH 464</a>	Statistics and Probability II (or equivalent proficiency [may be waived with approval])	4
Total hours		32-36

### Other Requirements<sup>1</sup>

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

## Academic Catalog

### Statistics

<http://www.stat.illinois.edu>

Chair of the Department: **Bo Li**  
Director of Ph.D. Program: Xiaofeng Shao  
Director of M.S. Program: **Darren Glosemeyer**  
M.S. Advisors: **Karle Flanagan, Christopher Kinson**  
Contact: Aaron Thompson  
101 Illini Hall  
725 South Wright Street  
Champaign, IL 61820  
(217) 333-2167  
[stat-office@illinois.edu](mailto:stat-office@illinois.edu)

Major: Statistics  
Degrees Offered: M.S., Ph.D.  
Graduate Minor: Statistics  
Graduate Concentrations: Analytics (M.S. only), Applied Statistics (M.S. only)

## Graduate Degree Programs

The Department of Statistics offers graduate study leading to the Master of Science in Statistics, the Master of Science in Statistics with specialization in various areas of application, and the Doctor of Philosophy 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.

**From:** Glosemeyer, Darren <[glosemey@illinois.edu](mailto:glosemey@illinois.edu)>  
**Sent:** Thursday, November 12, 2020 2:36 PM  
**To:** Pahre, Jennifer N <[jpahre@illinois.edu](mailto:jpahre@illinois.edu)>; Douglas, Jeffrey A <[jeffdoug@illinois.edu](mailto:jeffdoug@illinois.edu)>  
**Cc:** Martensen, Kathy <[kmartens@illinois.edu](mailto:kmartens@illinois.edu)>; Lehman, Barbara J <[bjlehman@illinois.edu](mailto:bjlehman@illinois.edu)>  
**Subject:** RE: Ed Pol Proposals from Statistics

Thanks for reaching out, Jennie. I apologize for any lack of clarity in our submission.

For EP 21.030 (Statistics MS), you are correct.

The intent is to make Stat 430 (Topics in Applied Statistics) and Stat 578 (Topics in Statistics) electives.

Students would be required to take STAT 510;  
AND either STAT 425 or Stat 527;  
AND one of the following: STAT 424, 426, 429, 431, or 433.

In addition, the students would take a minimum of five electives from the departmental list. Some of the course have been added in recent years and as such are newly added options in the MS requirements. The total credits would remain a minimum of 32.

For EP21.031 (Statistics- Analytics Concentration in MS), you are correct that we meant no additional concentration within the concentration is required, and I agree that was a bit confusing. Thank you, too, for catching the "Analytistics" typo-- happens occasionally with all of the "statistics" and "analytics" I type.

I think you're probably right on the other conjectures as well, but we may be looking at different files. Attached is the latest I have on the Analytics revision (I see the advisors should also be updated to Victoria Ellison and Hyeun Lee now). I think in the meantime a new proposal form was created and there might also have been something lost in translation in entry in a University system. I'd also be happy to have a look at the file(s) you're seeing if there are differences and having a look could help resolve the remaining issues.

Thanks,  
Darren

Darren Glosemeyer  
Department of Statistics  
University of Illinois at Urbana-Champaign  
[publish.illinois.edu/glosemey](http://publish.illinois.edu/glosemey)

**From:** Pahre, Jennifer N <[jpahre@illinois.edu](mailto:jpahre@illinois.edu)>  
**Sent:** Thursday, November 12, 2020 1:52 PM  
**To:** Douglas, Jeffrey A <[jeffdoug@illinois.edu](mailto:jeffdoug@illinois.edu)>; Glosemeyer, Darren <[glosemey@illinois.edu](mailto:glosemey@illinois.edu)>  
**Cc:** Martensen, Kathy <[kmartens@illinois.edu](mailto:kmartens@illinois.edu)>; Lehman, Barbara J <[bjlehman@illinois.edu](mailto:bjlehman@illinois.edu)>  
**Subject:** Ed Pol Proposals from Statistics

Dear Professors Douglas and Glosemeyer,

I hope that your week is going well, and that you and your families remain healthy.

As you may recall from our prior exchanges, I'm the chair of subcommittee A of the Senate Educational Policy Committee. Two new proposals that you sponsor have come to my subcommittee for review. They are 1) EP 21.030 (revising the Statistics MS) and 2) EP 21.031 (revising the MS in Statistics, in the Concentration in Analytics). The subcommittee is very supportive; updating the programs to incorporate expanded coursework and respond to new demands is commendable and appropriate.

A couple members of my subcommittee had a few late-breaking questions, and thus I am reaching out. Our next Ed Pol meeting is November 16th. I am not sure if it will be possible to clear up these questions before then, but I'd like to try so that I can present your proposals with all pending questions answered to facilitate swift approval.

Here are the questions (and my thought follow in italics):

With respect to EP 21.030 (Statistics MS):

1. The department will add new classes to choose from, and make some currently-required classes optional. With reference to the Programs of Study Table, how does the choose option work? *(This looks like a formatting issue in the proposal's text. It seems to me that the intent is to make Stat 430 (Topics in Applied Statistics) and Stat 578 (Topics in Statistics) electives. When I read Appendix A, it becomes clearer. As I read it, students would be required to take STAT 510; AND either STAT 425 or Stat 527; AND one of the following: STAT 424, 426, 429, 431, or 433. In addition, the students would take a minimum of five electives from the departmental list. Some of these are new classes for the MS. The total credits would be a minimum of 32.)*

With respect to EP21.031 (Statistics- Analytics Concentration in MS):

1. Some of the program of study entry seems to correlate with the overall MS rather than the concentration. The department includes the academic catalog entry as an attachment, but it appears to be the entry for the overall degree. Additionally, in the table of requirements in the main

proposal, it states that “A concentration is not required,” which seems odd to list within a concentration itself rather than within the general degree description. *(The difficulty I see is confusion between the attachment showing the Program of Study and the table under the Program of Study section in the proposal’s text. Again, I think that this is a formatting issue; the proposed catalogue attachment indicates which courses are new and to be added to the Analytics concentration. I see that only STAT 430 and STAT 478 are to be removed. I agree that saying “a concentration is not required” is a bit confusing; perhaps the department means that within the Analytics Concentration, no **further** concentration is required. But I would like your thoughts. Finally -- there is a typo in the heading “Statistics, Analytistics” on page 3 on the proposed course catalogue entry. )*

I appreciate your time.

With thanks,

Jennie

Jennifer N. Pahre  
Director of Undergraduate Studies  
Assistant Teaching Professor  
University of Illinois College of Law



University Senates Conference  
378 Henry Administration Building, MC 348  
506 South Wright Street  
Urbana, IL 61801

January 29, 2021

Kathy Martensen  
Assistant Provost for Educational Programs  
206 Swanlund, MC-304

Dear Kathy:

At its meeting on January 26, the University Senates Conference approved the proposed classification of minutes of the Urbana-Champaign Senate meetings of December 7. The Class I items are listed below.

- EP.21.025 Agricultural Education, MS (on campus & online) -- Proposal to phase-out the AGED MS degree program in Agricultural Education. This is part of a multi-element change with the proposal to create a new MS degree program in Agricultural Leadership, Education, and Communications.
- EP.21.026 Agricultural & Biological Engineering, PhD -- Revision of Curriculum Requirements for the Ph.D. in Agricultural & Biological Engineering to add a 96-Credit Hour Option, Department of Agricultural & Biological Engineering (ABE), The Grainger College of Engineering
- EP.21.027 Agricultural Leadership, Education, and Communications, MS (on campus & online) -- Proposal to create a new MS degree program in Agricultural Leadership, Education, and Communications, also requesting a non-degree code for this program. This is part of a multi-element change with the proposal to phase-out the AGED MS degree program in Agricultural Education.
- EP.21.029 Creative Writing, BALAS -- Revision to the BALAS in Creative Writing
- EP.21.030 Statistics, MS -- Revising the MS in Statistics
- EP.21.031 Statistics: Analytics, MS -- Revising the MS in Statistics Concentration in Analytics
- EP.21.033 Animal Sciences, MANSC (on campus & online) -- Revision of the Animal Sciences, MANSC to change the program requirements and the delivery method to include online delivery. The revisions also impact the 4+1 BS/MANSC and the 4+1BS(CS+ANSC)/MANSC degrees

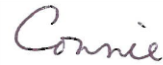
Kathy Martensen

January 29, 2021

Page 2

- EP.21.035     Animal Sciences BS & MANSC -- Revisions to the 4+1 BS/MANSC due to the program requirements changes and addition of online delivery to the Animal Sciences, MANSC. The revisions also impact Animal Sciences, MANSC and 4+1BS(CS+ANSC)/MANSC degrees
- EP.21.036     Computer Science & Animal Sciences, BS & Animal Science, MANSC -- Revisions to the 4+1BS(CS+ANSC)/MANSC due to the program requirements changes and addition of online delivery to the Animal Sciences, MANSC. The revisions also impact Animal Sciences, MANSC and 4+1 BS/MANSC degrees

Sincerely,



Connie Sailor  
Administrative Aide

c: Brenda Ankenbrand  
Ellen Foran  
Kathy Johnson  
Renee Nagy  
Julian Parrott  
Jenny Roether  
Nathan Wilds



# 10KS5165MS: STATISTICS: ANALYTICS, MS

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## Completed 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; 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. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

## Approval Path

1. Thu, 15 Oct 2020 20:57:04 GMT  
Deb Forgacs (dforgacs): Approved for U Program Review
2. Thu, 15 Oct 2020 21:29:29 GMT  
Bo Li (libo): Approved for 1583 Head
3. Thu, 15 Oct 2020 23:30:20 GMT  
Kelly Ritter (ritterk): Approved for KV Dean
4. Fri, 16 Oct 2020 00:13:07 GMT  
John Wilkin (jpwilkin): Approved for University Librarian
5. Thu, 05 Nov 2020 18:05:43 GMT  
Allison McKinney (agrindly): Approved for Grad\_College
6. Thu, 05 Nov 2020 21:23:30 GMT  
Kathy Martensen (kmartens): Approved for Provost
7. Tue, 17 Nov 2020 16:29:53 GMT  
Barbara Lehman (bjlehman): Approved for Senate EPC
8. Tue, 08 Dec 2020 15:57:38 GMT  
Jennifer Roether (jtempel): Approved for Senate
9. Fri, 29 Jan 2021 23:38:31 GMT  
Kathy Martensen (kmartens): Approved for U Senate Conf
10. Tue, 09 Feb 2021 15:20:52 GMT  
Emily Stuby (eastuby): Approved for DMI

## History

1. Sep 18, 2019 by Deb Forgacs (dforgacs)
2. Oct 22, 2019 by Deb Forgacs (dforgacs)
3. Oct 7, 2020 by Amy Elli (amyelli)
4. Feb 9, 2021 by Beth McKown (bmckown1)

Date Submitted: Mon, 13 Sep 2021 15:11:32 GMT

## Viewing: 10KS5165MS : Statistics: Analytics, MS

Changes proposed by: Beth McKown

### Proposal Type:

Concentration (ex. Dietetics)

### This proposal is for a:

Revision

## Administration Details

### Official Program Name

Statistics: Analytics, MS

### Sponsor College

Liberal Arts & Sciences

### Sponsor Department

Statistics

### Sponsor Name

Jeff Douglas, Associate Chair and Darren Glosemeyer, Director MS Program

### Sponsor Email

jeffdoug@illinois.edu and glosemey@illinois.edu

### College Contact

Stephen R. Downie

### College Contact Email

sdownie@illinois.edu

### College Budget Officer

Michael Wellens

### College Budget Officer Email

wellens@illinois.edu

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

Darren Glosemeyer, Director MS Program, glosemey@illinois.edu

**Does this program have inter-departmental administration?**

No

## Proposal Title

### Effective Catalog Term

Fall 2022

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

Administrative approval: Correcting table error: STAT 410 is not part of the STAT 427/593/443 requirement group.  
Inclusion of recently approved STAT courses as options in the MS in Statistics, and MS in Statistics with Analytics Concentration.

## Program Justification

### Why are these changes necessary?

Correcting table error: STAT 410 is not part of the STAT 427/593/443 requirement group.  
The following courses were recently approved and have not yet been added as electives/alternatives in the Statistics MS degree requirements:  
STAT 447 - Data Science Programming Methods  
STAT 528 - Advanced Regression Analysis II  
STAT 533 - Advanced Stochastic Processes  
STAT 556 - Advanced Time Series Analysis  
STAT 576 - Empirical Process Theory and Weak Convergence  
STAT 447 is a computing course that has been running as a 430 Topics course for a few years, and the others are more advanced versions or extensions of courses already listed in the curriculum.  
The proposed revision would include these courses as alternatives and electives in the Statistics MS programs' requirements where appropriate.  
Specific additions are in the Academic Catalog Entry Appendix.

## Instructional Resources

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

No

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

No

## Program Regulation and Assessment

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

No changes to the current assessment process are proposed.

**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

StatisticsMSCurriculaAdditions2021Rev.doc

Statistics MS Analytics Concentration Comparative Table.docx

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

Catalog Page Text - Overview Tab

### 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 440	Statistical Data Management	4
STAT 448	Advanced Data Analysis	4
STAT 510	Mathematical Statistics	4
STAT 542	Statistical Learning	4
Select one of the following:		4
STAT 425	Statistical Modeling I	
or STAT 527	Advanced Regression Analysis	
Select one of the following:		4
STAT 424	Analysis of Variance	
STAT 426	Statistical Modeling II	
STAT 429	Time Series Analysis	
STAT 431	Applied Bayesian Analysis	
STAT 433	Stochastic Processes	
STAT 528	Advanced Regression Analysis II	
STAT 533	Advanced Stochastic Processes	
STAT 556	Advanced Time Series Analysis	
Select one of the following:		4
STAT 428	Statistical Computing	
STAT 432	Basics of Statistical Learning	
STAT 447	Data Science Programming Methods	
STAT 480	Data Science Foundations	
CS 412	Introduction to Data Mining	
Select one of the following:		4
STAT 427	Statistical Consulting	

STAT 593	STAT Internship	
STAT 443	Professional Statistics	
Select one of the following:		4
STAT 525	Computational Statistics	
STAT 546	Machine Learning in Data Science	
STAT 571	Multivariate Analysis	
CS 512	Data Mining Principles	
<b>Total hours</b>		<b>36-40</b>

### Other Requirements

Requirement	Description
Other requirements may overlap	
Minimum 500-level Hours Required Overall:	12
Minimum GPA:	2.75

### Program Relationships

Corresponding Program(s):

Corresponding Program(s)

Statistics, MS

### Program Features

Academic Level

Graduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

### Delivery Method

This program is available:

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

### Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No enrollment impacts are expected.

## **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

## **Financial Resources**

How does the unit intend to financially support this proposal?

There are no financial implications as the courses are already being taught.

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

No

Is this program requesting self-supporting status?

No

## **Resource Implications**

### **Facilities**

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

No

### **Technology**

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

No

### **Non-Technical Resources**

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

No

## Resources

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

## 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.

There are no resource impacts. The courses are already being taught and the proposal would formally add them as options for the MS degrees.

## Library Resources

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

Current collections and services are adequate for the proposed program.

## EP Documentation

### EP Control Number

EP:22.020

### This proposal requires HLC inquiry

No

## DMI Documentation

### Banner/Codebook Name

MS: Statistics: Analytics-UIUC

### Program Code:

10KS5165MS

### Conc Code

5165

### Degree Code

MS

**Major Code**

0329

**Program Reviewer Comments**

**Allison McKinney (agrindly) (Wed, 15 Sep 2021 19:59:48 GMT):**Rollback: Rollback per request.

**Deb Forgacs (dforgacs) (Mon, 27 Sep 2021 16:12:44 GMT):**Re-entered the proposal type due to system bug 09/27/2021

**Allison McKinney (agrindly) (Wed, 29 Sep 2021 19:59:48 GMT):**Administratively approved by the Graduate College

**Kathy Martensen (kmartens) (Thu, 30 Sep 2021 21:46:04 GMT):**Administrative approval: No change to total hours; doesn't restrict students' options.

Key: 781



The locations of the proposed additions are highlighted in the following tables. Unhighlighted portions are the current catalog course listings.

**Master of Science in Statistics, Analytics Concentration**  
[Statistics: Analytics Concentration, MS < University of Illinois](#)

Code	Title	Hours
<u>STAT 410/MATH 464</u>	Statistics and Probability II (or equivalent proficiency- may be waived with approval)	0-4
<u>STAT 440</u>	Statistical Data Management	4
<u>STAT 448</u>	Advanced Data Analysis	4
<u>STAT 510</u>	Mathematical Statistics	4
<u>STAT 542</u>	Statistical Learning	4
Select one of the following:		4
<u>STAT 425</u> or <u>STAT 527</u>	Statistical Modeling I Advanced Regression Analysis	
Select one of the following:		4
<u>STAT 424</u>	Analysis of Variance	
<u>STAT 426</u>	Statistical Modeling II	
<u>STAT 429</u>	Time Series Analysis	
<u>STAT 431</u>	Applied Bayesian Analysis	
<u>STAT 433</u>	Stochastic Processes	
<b>STAT 528</b>	<b>Advanced Regression Analysis II</b>	
<b>STAT 533</b>	<b>Advanced Stochastic Processes</b>	
<b>STAT 556</b>	<b>Advanced Time Series Analysis</b>	
Select one of the following:		4
<u>STAT 428</u>	Statistical Computing	
<u>STAT 432</u>	Basics of Statistical Learning	
<b>STAT 447</b>	<b>Data Science Programming Methods</b>	
<u>STAT 480</u>	Data Science Foundations	
<u>CS 412</u>	Introduction to Data Mining	
Select one of the following:		4
<u>STAT 427</u>	Statistical Consulting	
<u>STAT 593</u>	STAT Internship	
<u>STAT 443</u>	Professional Statistics	
Select one of the following:		4

<b>Code</b>	<b>Title</b>	<b>Hours</b>
<a href="#"><u>STAT 525</u></a>	Computational Statistics	
<a href="#"><u>STAT 546</u></a>	Machine Learning in Data Science	
<a href="#"><u>STAT 571</u></a>	Multivariate Analysis	
<a href="#"><u>CS 512</u></a>	Data Mining Principles	
<b>Total hours</b>		<b>36-40</b>

Course List

### **Other Requirements**

<b>Requirement</b>	<b>Description</b>
Other requirements may overlap	
Minimum 500-level Hours Required Overall:	12
Minimum GPA:	2.75
Grad Other Degree Requirements	

**Appendix A:**  
Comparative Table of Proposed Changes  
Statistics: Analytics Concentration, MS

Current Requirements	Hours	Proposed Requirements	Hours
STAT 440 Statistical Data Management	4	STAT 440 Statistical Data Management	4
STAT 448 Advanced Data Analysis	4	STAT 448 Advanced Data Analysis	4
STAT 510 Mathematical Statistics I	4	STAT 510 Mathematical Statistics I	4
STAT 425 Applied Regression and Design	4	STAT 542 Statistical learning	4
STAT 542 Statistical learning	4		
Select one of the following:	4	Select one of the following:	4
STAT 424 Analysis of Variance		STAT 425 Applied Regression and Design or STAT 527 Advanced Regression Analysis	
STAT 426 Sampling and Categorical Data			
STAT 429 Time Series Analysis			
STAT 430 Topics in Applied Statistics			
STAT 578 Topics in Statistics			
		Select one of the following:	4
		STAT 424 Analysis of Variance	
		STAT 426 Sampling and Categorical Data	
		STAT 429 Time Series Analysis	
		STAT 431 Applied Bayesian Analysis	
		STAT 433 Stochastic Processes	
		Select one of the following:	4
STAT 428 or CS 412 Statistical Consulting	4	STAT 428 Statistical Computing	

Introduction to Data Mining			
		STAT 432 Basics of Statistical Learning	
		STAT 480 Data Science Foundations	
		CS 412 Introduction to Data Mining	
Select one of the following:	4	Select one of the following:	4
STAT 525 Computational Statistics		STAT 427 Statistical Consulting	
STAT 571 Multivariate Analysis		STAT 593 STAT Internship	
CS 512 Data Mining Principles		STAT 443 Professional Statistics	
STAT 410/MATH 464 Statistics and Probability II (or equivalent proficiency [may be waived with approval])	4	STAT 410/MATH 464 Statistics and Probability II (or equivalent proficiency [may be waived with approval])	4
		Select one of the following:	
		STAT 525 Computational Statistics	
		STAT 546 Machine Learning in Data Science	
		STAT 571 Multivariate Analysis	
		CS 512 Data Mining Principles	
Total hours	36-40	Total hours	36-40
Other Requirements		Other Requirements	
Other requirements may overlap		Grad Other Degree Requirements	
A concentration is not required		Other requirements may overlap	
Minimum 500-level Hours Required Overall:	12	A concentration is not required	

Minimum GPA:	2.75	Minimum 500-level Hours Required overall	12
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## STATEMENT FOR ACADEMIC CATALOG:

### Statistics

<http://www.stat.illinois.edu>

Chair of the Department: **Bo Li**  
Director of Ph.D. Program: Xiaofeng Shao  
Director of M.S. Program: **Darren Glosemeyer**  
M.S. Advisors: **Karle Flanagan, Christopher Kinson**  
Contact: Aaron Thompson  
101 Illini Hall  
725 South Wright Street  
Champaign, IL 61820  
(217) 333-2167  
[stat-office@illinois.edu](mailto:stat-office@illinois.edu)

Major: Statistics  
Degrees Offered: M.S., Ph.D.  
Graduate Minor: Statistics  
Graduate Concentrations: Analytics (M.S. only), Applied Statistics (M.S. only)

## Graduate Degree Programs

The Department of Statistics offers graduate study leading to the Master of Science in Statistics, the Master of Science in Statistics with specialization in various areas of application, and the Doctor of Philosophy 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.





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

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

**Proposal Title:** Inclusion of recently approved STAT courses as options in the MS in Statistics and MS in Statistics with Analytics Concentration

**Proposed effective date:** Fall 2022

**Sponsor(s):** Darren Glosemeyer, Director of the Master's Program and Senior Instructor of Statistics, glosemey@illinois.edu

**College contact:** Stephen R. Downie, Interim Associate Dean for Curricula and Academic Policy, College of Liberal Arts and Sciences, sdownie@illinois.edu

### PROGRAM DESCRIPTION and JUSTIFICATION

- 1) **Provide a brief description but concise description of your proposal.** The following courses were recently approved and have not yet been added as electives/alternatives in the Statistics MS degree requirements:

STAT 447 - Data Science Programming Methods  
STAT 528 - Advanced Regression Analysis II  
STAT 533 - Advanced Stochastic Processes  
STAT 556 - Advanced Time Series Analysis  
STAT 576 - Empirical Process Theory and Weak Convergence

STAT 447 is a computing course that has been running as a 430 Topics course for a few years, and the others are more advanced versions or extensions of courses already listed in the curriculum.

The proposed revision would include these courses as alternatives and electives in the Statistics MS programs' requirements where appropriate. Specific additions are in the Academic Catalog Entry Appendix.

**Is this program interdisciplinary?** No

**If a proposal for a concentration-** NA

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, \_\_\_\_\_

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)

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

## ENROLLMENT

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

No enrollment impacts are expected.

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

Year 1:

Year 5 (or when fully implemented):

3) What is the matriculation term for this program? Fall OR Spring/summer/other

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

*Note: grad certificates require at least 10 weeks. Other examples: BALAS= 4years, MA=2.5 years*

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

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

On Campus; Online & On campus; Online Only; Other- specify

If NOT on campus, please describe the use of this delivery method:

---

5) MINORS ONLY:

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

## BUDGET

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

None

**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

*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.*

**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.**

There are no resource impacts. The courses are already being taught and the proposal would formally add them as options for the MS degrees.

**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.**

Current collections and services are adequate for the proposed program.

**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? No**

**4) Does the program include other courses impacted by the revision of this program? If yes, please list the courses. Explain how the inclusion or removal of the courses impacts the offering departments and provide letters of support from the departments. No impact**

## **FINANCIAL RESOURCES**

- 1) How does the unit intend to financially support this proposal?** There are no financial implications as the courses are already being taught.
- 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?** 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.**

No changes to the current assessment process are proposed.

- 2) Is the career/profession for graduates of this program regulated by the State of Illinois?** 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.

The locations of the proposed additions are highlighted in the following tables. Unhighlighted portions are the current catalog course listings.

### Master of Science in Statistics

[Statistics, MS < University of Illinois](#)

Code	Title	Hours
<u>STAT 510</u>	Mathematical Statistics	4
Select one of the following:		
<u>STAT 425</u> or <u>STAT 527</u>	Statistical Modeling I Advanced Regression Analysis	4
Select one of the following:		
<u>STAT 424</u>	Analysis of Variance	4
<u>STAT 426</u>	Statistical Modeling II	
<u>STAT 429</u>	Time Series Analysis	
<u>STAT 431</u>	Applied Bayesian Analysis	
<u>STAT 433</u>	Stochastic Processes	
<u>STAT 528</u>	<b>Advanced Regression Analysis II</b>	
<u>STAT 533</u>	<b>Advanced Stochastic Processes</b>	
<u>STAT 556</u>	<b>Advanced Time Series Analysis</b>	
Five elective courses from Departmental List (See Course List Tab)		20
<u>STAT 427</u> or <u>STAT 593</u> or <u>STAT 443</u>	Statistical Consulting (or experience in applied statistics) STAT Internship Professional Statistics	0-4
<u>STAT 410/MATH 464</u>	Statistics and Probability II (or equivalent proficiency- may be waived with approval)	0-4
<b>Total hours</b>		<b>32-36</b>

Course List

### Other Requirements

Requirement

Description

Other Requirements may overlap

Requirement	Description
A concentration is not required.	
Minimum 500-level Hours Required Overall:	12
Minimum GPA:	2.75
Grad Other Degree Requirements	

Courses to be added to the elective **Course List Tab**:  
 STAT 447 - Data Science Programming Methods  
 STAT 528 - Advanced Regression Analysis II  
 STAT 533 - Advanced Stochastic Processes  
 STAT 556 - Advanced Time Series Analysis  
 STAT 576 - Empirical Process Theory and Weak Convergence

**Master of Science in Statistics, Analytics Concentration**  
[Statistics: Analytics Concentration, MS < University of Illinois](#)

Code	Title	Hours
<u>STAT 410/MATH 464</u>	Statistics and Probability II (or equivalent proficiency- may be waived with approval)	0-4
<u>STAT 440</u>	Statistical Data Management	4
<u>STAT 448</u>	Advanced Data Analysis	4
<u>STAT 510</u>	Mathematical Statistics	4
<u>STAT 542</u>	Statistical Learning	4
Select one of the following:		4
<u>STAT 425</u> or <u>STAT 527</u>	Statistical Modeling I Advanced Regression Analysis	
Select one of the following:		4
<u>STAT 424</u>	Analysis of Variance	
<u>STAT 426</u>	Statistical Modeling II	
<u>STAT 429</u>	Time Series Analysis	
<u>STAT 431</u>	Applied Bayesian Analysis	
<u>STAT 433</u>	Stochastic Processes	
<u>STAT 528</u>	<b>Advanced Regression Analysis II</b>	
<u>STAT 533</u>	<b>Advanced Stochastic Processes</b>	
<u>STAT 556</u>	<b>Advanced Time Series Analysis</b>	
Select one of the following:		4
<u>STAT 428</u>	Statistical Computing	

Code	Title	Hours
<a href="#">STAT 432</a>	Basics of Statistical Learning	
<a href="#">STAT 447</a>	Data Science Programming Methods	
<a href="#">STAT 480</a>	Data Science Foundations	
<a href="#">CS 412</a>	Introduction to Data Mining	
Select one of the following:		4
<a href="#">STAT 427</a>	Statistical Consulting	
<a href="#">STAT 593</a>	STAT Internship	
<a href="#">STAT 443</a>	Professional Statistics	
Select one of the following:		4
<a href="#">STAT 525</a>	Computational Statistics	
<a href="#">STAT 546</a>	Machine Learning in Data Science	
<a href="#">STAT 571</a>	Multivariate Analysis	
<a href="#">CS 512</a>	Data Mining Principles	
<b>Total hours</b>		<b>36-40</b>

Course List

**Other Requirements**

Requirement	Description
Other requirements may overlap	
Minimum 500-level Hours Required Overall:	12
Minimum GPA:	2.75
Grad Other Degree Requirements	



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## Proposal to the Senate Educational Policy Committee

**PROPOSAL TITLE:** Revising the MS in Statistics Concentration in Analytics (10KS5165MS) in the Department of Statistics and College of Liberal Arts & Sciences

**SPONSOR:** Darren Glosemeyer, Senior Instructor and MS Program Director, Department of Statistics, 300-0282, glosemey@illinois.edu

**COLLEGE CONTACT:** Kelly Ritter, Associate Dean for Curricula and Academic Policy, 333-1350, ritterk@illinois.edu

**BRIEF DESCRIPTION:** The Department of Statistics in the College of Liberal Arts & Sciences has developed and is now offering numerous courses in response to expansion of the field in recent years. The program requirements have not fully been updated for these additions. This proposal would incorporate the expanded coursework options into the curriculum. With the exception of making Stat 430 Topics in Applied Statistics a purely elective course, this proposal only expands students' coursework options within the degree requirements.

**JUSTIFICATION:** The field of statistics and the course offerings from the department have greatly increased in recent years, and the curriculum is in need of update for these increased offerings. Additions to the curriculum are all in the form of increased choice in electives or choice in areas where there is choice of a small number of courses.

The only courses in the current degree requirements which are proposed to be removed from the listed courses are Stat 430 Topics in Applied Statistics and Stat 578 Topics in Statistics. These courses are special topic courses. The topic can and does change semester to semester. When the curriculum requirements were last updated, the topics were less varied and tended to be more foundational in nature. Now with new foundational courses with their own numbers added to the catalog and a wide variety of topics covered in different sections of Stat 430 and Stat 578, the courses generally cover valuable elective material rather than foundations of the field.

**BUDGETARY AND STAFF IMPLICATIONS:** There are no budgetary or staff implications for the changes. The courses are already being taught and allowed as substitutions within the current curriculum. Faculty, staff, space, and technology resources will not be impacted.

**DESIRED EFFECTIVE DATE:** upon implementation

**STATEMENT FOR ACADEMIC CATALOG:**



## Statistics

<http://www.stat.illinois.edu>

Chair of the Department: Bo Li  
Director of Ph.D. Program: Xiaofeng Shao  
Director of M.S. Program: Darren Glosemeyer  
M.S. Advisors: Karle Flanagan, Christopher Kinson  
Contact: Aaron Thompson  
101 Illini Hall  
725 South Wright Street  
Champaign, IL 61820  
(217) 333-2167  
[stat-office@illinois.edu](mailto:stat-office@illinois.edu)

Major: Statistics  
Degrees Offered: M.S., Ph.D.  
Graduate Minor: Statistics  
Graduate Concentrations: Analytics (M.S. only), Applied Statistics (M.S. only)

## Graduate Degree Programs

The Department of Statistics offers graduate study leading to the Master of Science in Statistics, the Master of Science in Statistics with specialization in various areas of application, and the Doctor of Philosophy 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.

## Statistics, Analytics concentration MS

<a href="#">STAT 440</a>	Statistical Data Management	4
<a href="#">STAT 448</a>	Advanced Data Analysis	4
<a href="#">STAT 510</a>	Mathematical Statistics I	4
<a href="#">STAT 542</a>	Statistical Learning	4

Select one of the following: 4

<a href="#">STAT 425</a>	Applied Regression and Design
or <a href="#">STAT 527</a>	Advanced Regression Analysis

Select one of the following: 4

<a href="#">STAT 424</a>	Analysis of Variance
<a href="#">STAT 426</a>	Sampling and Categorical Data
<a href="#">STAT 429</a>	Time Series Analysis
<a href="#">STAT 431</a>	Applied Bayesian Analysis
<a href="#">STAT 433</a>	Stochastic Processes

Select one of the following: 4

<a href="#">STAT 428</a>	Statistical Computing
<a href="#">STAT 432</a>	Basics of Statistical Learning
<a href="#">STAT 480</a>	Data Science Foundations
<a href="#">CS 412</a>	Introduction to Data Mining

Select one of the following: 4

<a href="#">STAT 427</a>	Statistical Consulting
<a href="#">STAT 593</a>	STAT Internship
<a href="#">STAT 443</a>	Professional Statistics

<a href="#">STAT 410/ MATH 464</a>	Statistics and Probability II (or equivalent proficiency [may be waived with approval])	4
------------------------------------	---	---

Select one of the following: 4

[STAT 525](#)

Computational Statistics

[STAT 546](#)

Machine Learning in Data Science

[STAT 571](#)

Multivariate Analysis

[CS 512](#)

Data Mining Principles

Total hours

36-40

### Other Requirements<sup>1</sup>

Grad Other Degree Requirements

#### **Requirement**

#### **Description**

Other requirements may overlap

A concentration is not required.

Minimum 500-level Hours Required Overall:

12

Minimum GPA:

2.75

**From:** Glosemeyer, Darren <[glosemey@illinois.edu](mailto:glosemey@illinois.edu)>  
**Sent:** Thursday, November 12, 2020 2:36 PM  
**To:** Pahre, Jennifer N <[jpahre@illinois.edu](mailto:jpahre@illinois.edu)>; Douglas, Jeffrey A <[jeffdoug@illinois.edu](mailto:jeffdoug@illinois.edu)>  
**Cc:** Martensen, Kathy <[kmartens@illinois.edu](mailto:kmartens@illinois.edu)>; Lehman, Barbara J <[bjlehman@illinois.edu](mailto:bjlehman@illinois.edu)>  
**Subject:** RE: Ed Pol Proposals from Statistics

Thanks for reaching out, Jennie. I apologize for any lack of clarity in our submission.

For EP 21.030 (Statistics MS), you are correct.

The intent is to make Stat 430 (Topics in Applied Statistics) and Stat 578 (Topics in Statistics) electives.

Students would be required to take STAT 510;  
AND either STAT 425 or Stat 527;  
AND one of the following: STAT 424, 426, 429, 431, or 433.

In addition, the students would take a minimum of five electives from the departmental list. Some of the course have been added in recent years and as such are newly added options in the MS requirements. The total credits would remain a minimum of 32.

For EP21.031 (Statistics- Analytics Concentration in MS), you are correct that we meant no additional concentration within the concentration is required, and I agree that was a bit confusing. Thank you, too, for catching the "Analytistics" typo-- happens occasionally with all of the "statistics" and "analytics" I type.

I think you're probably right on the other conjectures as well, but we may be looking at different files. Attached is the latest I have on the Analytics revision (I see the advisors should also be updated to Victoria Ellison and Hyeun Lee now). I think in the meantime a new proposal form was created and there might also have been something lost in translation in entry in a University system. I'd also be happy to have a look at the file(s) you're seeing if there are differences and having a look could help resolve the remaining issues.

Thanks,  
Darren

Darren Glosemeyer  
Department of Statistics  
University of Illinois at Urbana-Champaign  
[publish.illinois.edu/glosemey](http://publish.illinois.edu/glosemey)

**From:** Pahre, Jennifer N <[jpahre@illinois.edu](mailto:jpahre@illinois.edu)>  
**Sent:** Thursday, November 12, 2020 1:52 PM  
**To:** Douglas, Jeffrey A <[jeffdoug@illinois.edu](mailto:jeffdoug@illinois.edu)>; Glosemeyer, Darren <[glosemey@illinois.edu](mailto:glosemey@illinois.edu)>  
**Cc:** Martensen, Kathy <[kmartens@illinois.edu](mailto:kmartens@illinois.edu)>; Lehman, Barbara J <[bjlehman@illinois.edu](mailto:bjlehman@illinois.edu)>  
**Subject:** Ed Pol Proposals from Statistics

Dear Professors Douglas and Glosemeyer,

I hope that your week is going well, and that you and your families remain healthy.

As you may recall from our prior exchanges, I'm the chair of subcommittee A of the Senate Educational Policy Committee. Two new proposals that you sponsor have come to my subcommittee for review. They are 1) EP 21.030 (revising the Statistics MS) and 2) EP 21.031 (revising the MS in Statistics, in the Concentration in Analytics). The subcommittee is very supportive; updating the programs to incorporate expanded coursework and respond to new demands is commendable and appropriate.

A couple members of my subcommittee had a few late-breaking questions, and thus I am reaching out. Our next Ed Pol meeting is November 16th. I am not sure if it will be possible to clear up these questions before then, but I'd like to try so that I can present your proposals with all pending questions answered to facilitate swift approval.

Here are the questions (and my thought follow in italics):

With respect to EP 21.030 (Statistics MS):

1. The department will add new classes to choose from, and make some currently-required classes optional. With reference to the Programs of Study Table, how does the choose option work? *(This looks like a formatting issue in the proposal's text. It seems to me that the intent is to make Stat 430 (Topics in Applied Statistics) and Stat 578 (Topics in Statistics) electives. When I read Appendix A, it becomes clearer. As I read it, students would be required to take STAT 510; AND either STAT 425 or Stat 527; AND one of the following: STAT 424, 426, 429, 431, or 433. In addition, the students would take a minimum of five electives from the departmental list. Some of these are new classes for the MS. The total credits would be a minimum of 32.)*

With respect to EP21.031 (Statistics- Analytics Concentration in MS):

1. Some of the program of study entry seems to correlate with the overall MS rather than the concentration. The department includes the academic catalog entry as an attachment, but it appears to be the entry for the overall degree. Additionally, in the table of requirements in the main

proposal, it states that “A concentration is not required,” which seems odd to list within a concentration itself rather than within the general degree description. *(The difficulty I see is confusion between the attachment showing the Program of Study and the table under the Program of Study section in the proposal’s text. Again, I think that this is a formatting issue; the proposed catalogue attachment indicates which courses are new and to be added to the Analytics concentration. I see that only STAT 430 and STAT 478 are to be removed. I agree that saying “a concentration is not required” is a bit confusing; perhaps the department means that within the Analytics Concentration, no **further** concentration is required. But I would like your thoughts. Finally -- there is a typo in the heading “Statistics, Analytistics” on page 3 on the proposed course catalogue entry. )*

I appreciate your time.

With thanks,

Jennie

Jennifer N. Pahre  
Director of Undergraduate Studies  
Assistant Teaching Professor  
University of Illinois College of Law



University Senates Conference  
378 Henry Administration Building, MC 348  
506 South Wright Street  
Urbana, IL 61801

January 29, 2021

Kathy Martensen  
Assistant Provost for Educational Programs  
206 Swanlund, MC-304

Dear Kathy:

At its meeting on January 26, the University Senates Conference approved the proposed classification of minutes of the Urbana-Champaign Senate meetings of December 7. The Class I items are listed below.

- EP.21.025 Agricultural Education, MS (on campus & online) -- Proposal to phase-out the AGED MS degree program in Agricultural Education. This is part of a multi-element change with the proposal to create a new MS degree program in Agricultural Leadership, Education, and Communications.
- EP.21.026 Agricultural & Biological Engineering, PhD -- Revision of Curriculum Requirements for the Ph.D. in Agricultural & Biological Engineering to add a 96-Credit Hour Option, Department of Agricultural & Biological Engineering (ABE), The Grainger College of Engineering
- EP.21.027 Agricultural Leadership, Education, and Communications, MS (on campus & online) -- Proposal to create a new MS degree program in Agricultural Leadership, Education, and Communications, also requesting a non-degree code for this program. This is part of a multi-element change with the proposal to phase-out the AGED MS degree program in Agricultural Education.
- EP.21.029 Creative Writing, BALAS -- Revision to the BALAS in Creative Writing
- EP.21.030 Statistics, MS -- Revising the MS in Statistics
- EP.21.031 Statistics: Analytics, MS -- Revising the MS in Statistics Concentration in Analytics
- EP.21.033 Animal Sciences, MANSC (on campus & online) -- Revision of the Animal Sciences, MANSC to change the program requirements and the delivery method to include online delivery. The revisions also impact the 4+1 BS/MANSC and the 4+1BS(CS+ANSC)/MANSC degrees

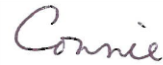
Kathy Martensen

January 29, 2021

Page 2

- EP.21.035    Animal Sciences BS & MANSC -- Revisions to the 4+1 BS/MANSC due to the program requirements changes and addition of online delivery to the Animal Sciences, MANSC. The revisions also impact Animal Sciences, MANSC and 4+1BS(CS+ANSC)/MANSC degrees
- EP.21.036    Computer Science & Animal Sciences, BS & Animal Science, MANSC -- Revisions to the 4+1BS(CS+ANSC)/MANSC due to the program requirements changes and addition of online delivery to the Animal Sciences, MANSC. The revisions also impact Animal Sciences, MANSC and 4+1 BS/MANSC degrees

Sincerely,



Connie Sailor  
Administrative Aide

c: Brenda Ankenbrand  
Ellen Foran  
Kathy Johnson  
Renee Nagy  
Julian Parrott  
Jenny Roether  
Nathan Wilds



# GR-STATISTICS: GR-STATISTICS : STATS DEPT COURSE LIST

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## Completed Workflow

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

## Approval Path

1. Fri, 11 Oct 2019 16:04:25 GMT  
Deb Forgacs (dforgacs): Approved for U Program Review

## History

1. Oct 11, 2019 by Mary Lowry (lowry)

Date Submitted:Wed, 22 Sep 2021 20:54:44 GMT

## Viewing:GR-Statistics : GR-Statistics : Stats Dept Course List

Changes proposed by: Mary Lowry

### Proposal Type:

Concentration (ex. Dietetics)

### This proposal is for a:

Revision

## Administration Details

### Official Program Name

GR-Statistics : Stats Dept Course List

### Sponsor College

Liberal Arts & Sciences

### Sponsor Department

Statistics

### Sponsor Name

Darren Glosemeyer

### Sponsor Email

glosemey@illinois.edu

### College Contact

Stephen R. Downie

**College Contact Email**

sdownie@illinois.edu

**Does this program have inter-departmental administration?**

No

**Proposal Title****Effective Catalog Term**

Fall 2022

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

Administrative approval: Courses to be added to the elective Course list Tab:

STAT 447 - Data Science Programming Methods

STAT 528 - Advanced Regression Analysis II

STAT 533 - Advanced Stochastic Processes

STAT 556 - Advanced Time Series Analysis

STAT 576 - Empirical Process Theory and Weak Convergence

**Program Justification****Why are these changes necessary?**

The following courses were recently approved and have not yet been added as electives/alternatives in the Statistics MS degree requirements:

STAT 447 - Data Science Programming Methods

STAT 528 - Advanced Regression Analysis II

STAT 533 - Advanced Stochastic Processes

STAT 556 - Advanced Time Series Analysis

STAT 576 - Empirical Process Theory and Weak Convergence

STAT 447 is a computing course that has been running as a 430 Topics course for a few years, and the others are more advanced versions or extensions of courses already listed in the curriculum.

The proposed revision would include these courses as alternatives and electives in the Statistics MS programs' requirements where appropriate.

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

No

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

No

## Program Regulation and Assessment

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

No changes to the current assessment process are proposed.

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 - Overview Tab

### Statement for Programs of Study Catalog

Code	Title	Hours
<b>Statistics Departmental Course List</b>		
STAT 424	Analysis of Variance	
STAT 426	Statistical Modeling II	
STAT 427	Statistical Consulting	
STAT 428	Statistical Computing	
STAT 429	Time Series Analysis	
STAT 430	Topics in Applied Statistics	
STAT 431	Applied Bayesian Analysis	
STAT 432	Basics of Statistical Learning	
STAT 433	Stochastic Processes	
STAT 434	Survival Analysis	
STAT 440	Statistical Data Management	
STAT 443	Professional Statistics	
STAT 447	Data Science Programming Methods	
STAT 448	Advanced Data Analysis	
STAT 458	Math Modeling in Life Sciences	
STAT 480	Data Science Foundations	

STAT 511	Advanced Mathematical Statistics
STAT 525	Computational Statistics
STAT 528	Advanced Regression Analysis II
STAT 530	Bioinformatics
STAT 533	Advanced Stochastic Processes
STAT 534	Advanced Survival Analysis
STAT 538	Clinical Trials Methodology
STAT 542	Statistical Learning
STAT 545	Spatial Statistics
STAT 546	Machine Learning in Data Science
STAT 551	Theory of Probability I
STAT 552	Theory of Probability II
STAT 553	Probability and Measure I
STAT 554	Probability and Measure II
STAT 555	Applied Stochastic Processes
STAT 556	Advanced Time Series Analysis
STAT 571	Multivariate Analysis
STAT 575	Large Sample Theory
STAT 576	Empirical Process Theory and Weak Convergence
STAT 578	Topics in Statistics
STAT 587	Hierarchical Linear Models
STAT 588	Covar Struct and Factor Models
STAT 590	Individual Study and Research
STAT 593	STAT Internship

## Program Relationships

Corresponding Program(s):

**Corresponding Program(s)**

Statistics, MS

## Program Features

**Academic Level**

Graduate

**Is This a Teacher Certification Program?**

No

**Will specialized accreditation be sought for this program?**

No

## **Delivery Method**

**This program is available:**

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

## **Enrollment**

**Describe how this revision will impact enrollment and degrees awarded.**

No enrollment impacts are expected.

## **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

## **Financial Resources**

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

No

**Is this program requesting self-supporting status?**

No

## **Resource Implications**

### **Facilities**

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

No

### **Technology**

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

No

## Non-Technical Resources

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

No

## Resources

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

## 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.

There are no resource impacts. The courses are already being taught and the proposal would formally add them as options for the MS degrees.

## Library Resources

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

Current collections and services are adequate for the proposed program.

## EP Documentation

EP Control Number

EP:22.020

This proposal requires HLC inquiry

No

## DMI Documentation

Program Code:

GR-Statistics

Program Reviewer Comments

Deb Forgacs (dforgacs) (Mon, 27 Sep 2021 16:28:41 GMT):Re-entered the proposal type due to system bug 09/27/2021

**Kathy Martensen (kmartens)** (Thu, 30 Sep 2021 21:53:20 GMT):Administrative approval: Doesn't impact total hours for any academic program; doesn't restrict students' options.

Key: 910





# 10KT5201BS: MEDIA AND CINEMA STUDIES, BS

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## In Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. 1436 Committee Chair (aciafone@illinois.edu)
3. 1436 Head (clcole@illinois.edu)
4. KT Committee Chair (pvargas@illinois.edu; keclark@illinois.edu)
5. KT Dean (keclark@illinois.edu; tsulkin@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. HLC (kmartens@illinois.edu)
14. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

## Approval Path

1. Fri, 24 Sep 2021 17:24:51 GMT  
Deb Forgacs (dforgacs): Approved for U Program Review
2. Fri, 24 Sep 2021 17:59:36 GMT  
Amanda Ciafone (aciafone): Approved for 1436 Committee Chair
3. Sat, 25 Sep 2021 14:46:23 GMT  
Cheryl Cole (clcole): Approved for 1436 Head
4. Mon, 27 Sep 2021 13:58:12 GMT  
Katie Clark (keclark): Approved for KT Committee Chair
5. Mon, 27 Sep 2021 13:58:35 GMT  
Katie Clark (keclark): Approved for KT Dean
6. Mon, 27 Sep 2021 14:35:52 GMT  
John Wilkin (jpwilkin): Approved for University Librarian
7. Tue, 28 Sep 2021 15:01:10 GMT  
Kathy Martensen (kmartens): Approved for Provost

Date Submitted: Thu, 23 Sep 2021 18:42:47 GMT

## Viewing: 10KT5201BS : Media and Cinema Studies, BS

Changes proposed by: Katie Clark

### Proposal Type:

Major (ex. Special Education)

### This proposal is for a:

Revision

## Administration Details

### Official Program Name

Media and Cinema Studies, BS

**Sponsor College**

Media, College of

**Sponsor Department**

Media & Cinema Studies

**Sponsor Name**

Katie Clark

**Sponsor Email**

keclark@illinois.edu

**College Contact**

Katie Clark

**College Contact Email**

keclark@illinois.edu

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

KT Dean

Does this program have inter-departmental administration?

No

**Proposal Title****Effective Catalog Term**

Fall 2020

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

Administrative approval: Updated course list

**Program Justification****Why are these changes necessary?**

MDIA 380 changed to MACS 380, therefore MDIA 380 was removed from the Media Making thematic area and replaced with MACS 380. MDIA 380 was overlooked in the Media Industries and Cultures thematic area when the initial change to MACS 380 was approved.

## Instructional Resources

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

No

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

No

## Program Regulation and Assessment

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

Students in Media and Cinema Studies will be able to:

Demonstrate a thorough knowledge of media and cinema studies' subject matter areas.

Demonstrate a comprehension of foundational media and cinema studies' theories and concepts.

Demonstrate critical thinking skills.

Demonstrate the ability to critically evaluate media representations in relation to social justice issues.

Demonstrate the ability to work collaboratively to successfully communicate ideas and outcomes of creative research across a range of modalities.

Students in Media and Cinema studies are required to complete a portfolio (MACS 499) as their capstone project. The instructor of the course will assess whether students are meeting the learning outcomes stated above. The department will review the portfolios and make adjustments to courses and curriculum as necessary.

**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 "chosed-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.**

**Statement for Programs of Study Catalog**

Code	Title	Hours
<b>Core Curriculum</b>		<b>16</b>
MACS 203	Contemporary Movies	3
MACS 264	Creative and Information Economies	4
MACS 317	Media History	3
MACS 320	Popular Culture	3
MACS 351	Social Aspects of Media	3
MACS 499	Senior Project <sup>1</sup>	0

<sup>1</sup> Students will take MACS 499 concurrent with a 400-level course to complete a senior project.

Code	Title	Hours
<b>Thematic Areas</b>		<b>15</b>
5 additional courses in at least 2 of the following thematic areas.		
In addition, students can declare a specialization by taking 4 courses in 1 thematic area or by completing the requirements of a related certificate program.		

<b>Cinema Studies</b>		
MACS 100	Intro to Popular TV & Movies	
MACS 205	Introduction to Documentary	
MACS 261	Survey of World Cinema I	
MACS 262	Survey of World Cinema II	
MACS 321	Film Culture	
MACS 361	Film Theory and Criticism	
MACS 464	Film Festivals	
See advisor for list of other approved classes or contact the department for approval of other classes.		

<b>Media Industries &amp; Cultures</b>		
MACS 100	Intro to Popular TV & Movies	
MACS 224	Sportsmedia Technology & Culture	
MACS 321	Film Culture	
MACS 326	New Media, Culture & Society	
MDIA 380	Course MDIA 380 Not Found	
MACS 380	21st Century Documentaries	
MACS 408	TV Studies	
See advisor for list of other approved classes or contact the department for approval of other classes.		

<b>Difference &amp; Power</b>		
MACS 100	Intro to Popular TV & Movies	
MACS 326	New Media, Culture & Society	
LLS 435	Commodifying Difference	
MACS/GWS 356	Sex & Gender in Popular Media	
MACS/AAS 375	Latina/o Media in the US	
MACS/AFRO 381	Black Women and Film	
MACS 389	International Communications	
See advisor for list of other approved classes or contact the department for approval of other classes.		

<b>Science, Technology, and Visualization</b>		
MACS 166	Contemporary Media Literacy	
MACS 224	Sportsmedia Technology & Culture	
MACS 326	New Media, Culture & Society	
MACS/GWS 345	Digital & Gender Cultures	

AGCM 430	Comm in Env Social Movements
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See advisor for list of other approved classes or contact the department for approval of other classes.

**Global Media and Cinema**

MACS 261	Survey of World Cinema I
MACS 262	Survey of World Cinema II
MACS 389	International Communications
MACS/SLAV 419	Russian & East European Film
MACS/SCAN 492	Scandinavian Cinema
MACS/GER 493	German Cinema I

See advisor for list of other approved classes or contact the department for approval of other classes.

**Sports Media**

RST 130	Foundations of Sport Mgt
MACS 224	Sportsmedia Technology & Culture
MACS/KIN 346	Case Study: Endless Summer
MACS 408	TV Studies
JOUR 361	Classics of Sports Journalism

See advisor for list of other approved classes or contact the department for approval of other classes.

**Media Making, Design and Research**

MACS 100	Intro to Popular TV & Movies
MACS 166	Contemporary Media Literacy
MACS 323	Studies Film/Media Production
MACS 326	New Media, Culture & Society
MDIA 380	Course MDIA 380 Not Found
MACS 380	21st Century Documentaries
MACS 464	Film Festivals

See list of other approved classes or contact the department for approval of other classes.

Code	Title	Hours
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<b>College of Media Electives</b>		<b>36</b>
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Students must earn at least 36 hours in the College of Media. Remaining hours are completed with ADV, JOUR, MACS, or MDIA electives.

Code	Title	Hours
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<b>Required Area of Study or Minor Outside the College of Media</b>		<b>9</b>
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In addition to the courses in the major plan described above, students must complete 9 hours in an approved area outside the College of Media. Approved areas include: African American Studies; American Indian Studies; Anthropology; Art History; Asian American Studies; Business Administration; Communication; Computer Science; Creative Writing; Economics; Food Science and Human Nutrition; Gender and Women’s Studies; History; Kinesiology and Community Health; Latina/o Studies; Linguistics; Literature; Natural Resources and Environmental Sciences; Non-English Languages; Philosophy; Political Science; Psychology; Recreation, Sport and Tourism; Regional Area Studies; or Sociology. A university-approved minor may substitute for this requirement. Courses may, if they qualify, also count toward the requirement for advanced hours outside of the College.

Code	Title	Hours
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<b>Advanced Hours Requirement</b>		<b>20</b>
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At least 20 hours in courses numbered 200 or above. These courses must be outside and not cross-listed with the College of Media. At least 9 of the 20 hours must be in courses numbered 300 and above.

Code	Title	Hours
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<b>Total hours required for graduation</b>		<b>124</b>
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**Corresponding Degree**

BS Bachelor of Science

## Program Features

### Academic Level

Undergraduate

### Does this major have transcribed concentrations?

No

### What is the typical time to completion of this program?

4 years

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

124

### CIP Code

090102 - Mass Communication/Media Studies.

### Is This a Teacher Certification Program?

No

### Will specialized accreditation be sought for this program?

No

## Delivery Method

### This program is available:

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

## Enrollment

### Describe how this revision will impact enrollment and degrees awarded.

No impact

### Estimated Annual Number of Degrees Awarded

### What is the matriculation term for this program?

Fall

## **Budget**

Are there budgetary implications for this revision?

No

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

No

## **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

## **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 impact. The course is already being taught under a different rubric. The only change was MDIA 380 to MACS 380.

## Library Resources

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

No impact.

## EP Documentation

### EP Control Number

EP:22.020

### This proposal requires HLC inquiry

No

## DMI Documentation

### Banner/Codebook Name

BS: Media and Cinema St -UIUC

### Program Code:

10KT5201BS

### Degree Code

BS

### Major Code

5201



**Program Reviewer Comments**

**Kathy Martensen (kmartens)** (Tue, 28 Sep 2021 14:56:01 GMT):Administrative approval: No change to total hours required, does not restrict student choice.

Key: 290

