

Program Change Request

Deactivation Proposal

Date Submitted: 07/24/25 12:45 pm

Viewing: **10KS0331MS : Statistics: Applied, MS**

Last approved: 03/13/25 3:50 pm

Last edit: 10/07/25 10:47 am

Changes proposed by: Darren Glosemeyer

Catalog Pages Using Statistics: Applied, MS
this Program

Proposal Type:
Concentration (ex. Dietetics)

This proposal is for
a:
~~Revision~~
Phase Down/Elimination

In Workflow

1. U Program Review
2. 1583-STAT Head
3. KV Dean
4. University Librarian
5. Grad_College
6. COTE Programs
7. Provost
8. Senate EPC
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DOE
15. Catalog Editor
16. DMI

Approval Path

1. 07/30/25 3:55 pm
Brianna Vargas-Gonzalez (bv4):
Approved for U Program Review
2. 07/31/25 1:16 am
Feng Liang (liangf):
Approved for 1583-STAT Head
3. 08/20/25 2:28 pm
Stephen Downie (sdownie):
Approved for KV Dean
4. 08/21/25 1:58 pm
Tom Teper (tteper):
Approved for University Librarian

5. 09/08/25 3:26 pm
Allison McKinney
(agrindly): Approved
for Grad_College
6. 09/08/25 4:44 pm
Suzanne Lee
(suzannel):
Approved for COTE
Programs
7. 09/17/25 12:35 pm
Brooke Newell
(bsnewell):
Approved for
Provost

History

1. Jul 17, 2019 by Deb
Forgacs (dforgacs)
2. Apr 20, 2021 by
Beth McKown
(bmckown1)
3. Feb 19, 2025 by
Donna Butler
(dbutler)
4. Mar 13, 2025 by
Donna Butler
(dbutler)

Administration Details

Official Program Name	Statistics: Applied, MS
Diploma Title	
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Statistics
Sponsor Name	Darren Glosemeyer, Senior Instructor and MS Program Director
Sponsor Email	glosemey@illinois.edu

College Contact

Stephen R. Downie ~~Kelly Ritter~~

College Contact

Email

sdownie@illinois.edu ~~ritterk@illinois.edu~~

College Budget

Officer

College Budget

Officer Email

If additional stakeholders other than the Sponsor and College Contacts listed above should be contacted if questions during the review process arise, please list them here.

Melissa Reedy, murray@illinois.edu (LAS Assistant Director Course & Cir Dvt)

Does this program have inter-departmental administration?

No

Effective Catalog Term

Effective Catalog Term

Fall 2026

Effective Catalog

2026-2027

Proposal Title

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

Eliminate the Concentration in Applied Statistics in the Master of Science in Statistics in the College of Liberal Arts and Sciences and the Graduate College

Does this proposal have any related proposals that will also be revised at this time and the programs depend on each other? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently and together as needed. Format your response like the following "This BS proposal (key 567) is related to the Concentration A proposal (key 145)"

This MS in Statistics, concentration Applied proposal (Key 782) is related to MS (Key 58), concentration Analytics (Key 781), Statistics course list (Key 910), and Statistics Minor, GR (Key 57).

Program Justification

Provide a brief description, using a numbered item list, of the proposed changes to the program.

- 1) Eliminate the Applied Concentration of the MS in Statistics (Key 782)

Provide the reasoning for why each change was necessary, using a corresponding numbered item list as it relates to the brief description numbered list above.

1) The Applied Concentration was created as a means for PhD students in other departments to earn a graduate credential in Statistics while completing their PhD. The concentration has not operated like other degree programs and does not follow current University degree standards--drawing heavily from related coursework in a range of other departments and allowing coursework taken prior to entering the program, during a student's time officially in the program, and after the student has transferred back out of the program but while still enrolled as a PhD student in their home department.

The administrative overhead and complexity in maintaining the program has been larger than justified by enrollment for some time and the time and effort that would be required to redefine the concentration to follow current standards and then maintain it would not be a productive use of department resources.

Within the current concentration specification, students admitted to the Applied concentration are officially in the Statistics department for only one semester. They petition to transfer into the Statistics department for one semester and then petition to transfer back to their home departments after the semester. Petitions are also required to move coursework to the desired degrees. Administrative staff sift through their transcripts generally stretching 5 years or more to verify requirements have been met (in some cases with courses whose numbers have changed or have been discontinued), and Graduate College staff then do the necessary work to code coursework to the appropriate degrees in the audit system. With the range of statistical courses offered in other disciplines, academic advisors and program director regularly review syllabi from courses taken by Applied students in other departments to determine whether the courses are appropriate as Field of Study coursework.

Recent enrollments in the Applied Statistics concentration have also been low. Enrollments from the past 5 Spring terms follow.

Term Enrollment

Spring 2025 7

Spring 2024 8

Spring 2023 15

Spring 2022 7

Spring 2021 21

The Graduate Minor in Statistics (Key 57) was created after the Applied Statistics concentration and provides a graduate level Statistics credential for students earning PhDs in other fields of study. The Graduate Minor can be the concurrent credential for those PhD students moving forward. The MS in Statistics (Key 58) and MS in Statistics with Concentration in Analytics (Key 781) provide options for those wishing to pursue a full MS degree in Statistics separately.

Instructional Resources

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

No

Does this new program/proposed change result in the replacement of another program?

No

Does the program include other courses/subjects outside of the sponsoring department impacted by the creation/revision of this program? If Yes is selected, indicate the appropriate courses and attach the letter of support/acknowledgement.

No

Program Features

Academic Level Graduate

Is this program part of an ISBE approved licensure program?

No

Will specialized accreditation be sought for this program?

No

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

Does this program prepare graduates for entry into a career or profession that is regulated by the State of Illinois?

No

Program of Study

Catalog Page Text - Overview Tab

Catalog Page Overview Text

Statement for
Programs of Study

<u>STAT 410/MATH 464</u>	Statistics and Probability II (or equivalent proficiency - may be waived with approval)	4
<u>STAT 425</u>	Statistical Modeling I	4
or <u>STAT 527</u>	Advanced Regression Analysis	
<u>Select two elective STAT courses from a Departmental Course List</u>		8
Five graduate courses must be completed in your primary field, in an area relevant to the field of Statistics. STAT electives not used to meet other requirements may also be used.		20
Total hours		32-36

Other Requirements

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 Regulation and Assessment

Plan to Assess and Improve Student Learning

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

Student Learning Outcomes

N/A, as concentration is being phased down and eliminated. ~~N/A~~

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

Describe here:

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

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

Program

Description and

Requirements

Attach Documents

Delivery Method

This program is
available:

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

Enrollment

List the prerequisites including course titles and number of credit hours for each prerequisite course, and whether or not these prerequisites count in the total hours required for the minor.

Phase Down/Elimination Enrollment

Does this program Yes
currently have
enrollment?

If so, what is the
anticipated term of
completion?

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

As of the beginning of Fall 2025 and assuming none of them graduate in Summer 2025, there will be 7 continuing students who have been admitted to the Applied Concentration of the MS in Statistics but not yet received the degree. All of these students will have completed most or all of the requirements for the degree by the end of Summer 2025.

Admissions is open for Spring 2026 at the guidance of the Graduate College and Provost's Office. Spring 2026 will be the final admission term. Courses in the degree requirements will continue to be offered and admitted students will be allowed to complete the concentration. Admitted students will have completed some coursework toward the degree. Historically, the majority of admitted students complete the degree requirements within a year of transferring into the program and with very rare exceptions, admitted students complete within 2 years of transferring in.

PhD students in other fields who have not yet applied to and been admitted to the Applied Statistics Concentration can pursue the Graduate Minor in Statistics as a concurrent credential moving forward. Those wishing a full MS degree can apply separately to the MS in Statistics (Key 58) or the MS in Statistics with Concentration in Analytics Analytics (Key 781).

Number of Students in Program (estimate)

Year One Estimate

5th Year Estimate (or when fully implemented)

Budget

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

No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

No additional support or resources are needed.

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

No

Attach letters of
support

Is this program requesting self-supporting status?

No

Faculty Resources

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

None

Library Resources

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

None

EP Documentation

EP Control Number EP.26.027

Attach Rollback/
Approval Notices

Non-EP Documentation

This proposal
requires HLC
inquiry

U Program Review
Comments

Rollback
Documentation and
Attachment

DMI Documentation

Attach Final

Approval Notices

Banner/Codebook

Name

MS:Statistics -- Applied -UIUC

Program Code: 10KS0331MS

Minor	Conc	0331	Degree	MS
Code	Code		Code	Major
				Code

0329

Senate Approval
Date

Senate Conference
Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

DOE Approval Date

Effective Date:

Attached Document
Justification for this
request

Program Reviewer
Comments