# Program Change Request

## Deactivation Proposal

Date Submitted: 07/24/25 12:47 pm

Viewing: **GR-Statistics : GR-Statistics : Stats Dept**

## Course List

Last approved: 11/17/21 10:52 am

Last edit: 10/07/25 10:51 am

Changes proposed by: Darren Glosemeyer

Catalog Pages Using this Program: Statistics, MS

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. 04/18/25 9:28 am Donna Butler (dbutler): Approved for U Program Review
2. 04/18/25 11:16 am Feng Liang (liangf): Approved for 1583-STAT Head
3. 04/23/25 10:12 am Melissa Reedy (murray): Rollback to 1583-STAT Head for KV Dean
4. 04/25/25 3:35 pm Feng Liang (liangf): Approved for 1583-STAT Head

5. 04/28/25 1:39 pm Melissa Reedy (murray): Rollback to Initiator
6. 07/30/25 4:00 pm Brianna Vargas-Gonzalez (bv4): Approved for U Program Review
7. 07/31/25 1:16 am Feng Liang (liangf): Approved for 1583-STAT Head
8. 08/20/25 2:31 pm Stephen Downie (sdownie): Approved for KV Dean
9. 08/21/25 1:58 pm Tom Teper (tteper): Approved for University Librarian
10. 09/02/25 3:53 pm Allison McKinney (agrindly): Approved for Grad_College
11. 09/02/25 4:19 pm Suzanne Lee (suzannel): Approved for COTE Programs
12. 09/17/25 12:35 pm Brooke Newell (bsnewell): Approved for Provost

## History

1. Oct 11, 2019 by Mary Lowry (lowry)
2. Nov 17, 2021 by

## Administration Details

| | |
|---|---|
| Official Program Name | GR-Statistics : Stats Dept Course List |
| Diploma Title | |
| 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 |
| 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 Stats Dept Course List CIM-P record for 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 Stats Dept Course List (Key 910) proposal is related to MS in Statistics (Key 58), concentration Analytics (Key 781), concentration Applied proposal (Key 782), 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 this course list page

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) This page was an auxiliary page listing the elective courses for the MS in Statistics. The courses are being moved into the POS in the MS in Statistics (Key 58) to adhere to campus standards.

## 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
Catalog

| **Statistics Departmental Course List** | |
|---|---|
| STAT 424 | Design of Experiments |
| 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 437 | Unsupervised Learning |
| STAT 440 | Statistical Data Management |
| STAT 441 | Practice of Applied Statistics |
| STAT 443 | Professional Statistics |
| STAT 447 | Data Science Programming Methods |
| STAT 448 | Advanced Data Analysis |
| ~~STAT 458~~ | ~~Course STAT 458 Not Found~~ |
| STAT 480 | Big Data Analytics |
| STAT 511 | Advanced Mathematical Statistics |
| STAT 525 | Topics in Computational Statistics |
| STAT 528 | Advanced Regression Analysis II |
| STAT 530 | Bioinformatics |
| STAT 533 | Advanced Stochastic Processes |
| STAT 534 | Course STAT 534 Not Found |
| ~~STAT 538~~ | ~~Course STAT 538 Not Found~~ |
| 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 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

Statistics students in the MS program will:

1. Acquire a solid foundation in mathematical statistics and learn how it applies to data analysis;
2. Develop strong communication abilities in writing and orally that will allow them to work effectively in diverse teams;
3. Become skillful in statistical computing, data management, and statistical software;
4. Be knowledgeable of the most modern techniques in statistical methodology and data science, especially data analysis techniques associated with statistical learning and machine learning;
5. Develop an understanding and gain experience in applying methodology learned in the classroom to real problems in science and industry. ~~No changes to the current assessment process are proposed.~~

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 currently have enrollment? Yes

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.

No impact. This phase down only eliminates the standalone course list page. The program continues on, and the contents of this page have been incorporated directly into the MS in Statistics Program of Study.

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?

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.

No impact

### Library Resources

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

No impact

## EP Documentation

EP Control Number EP.26.028

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

Program Code: GR-Statistics

| Minor Code | Conc Code | Degree Code | Major Code |
|---|---|---|---|

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 | **Melissa Reedy (murray) (04/23/25 10:12 am):** Rollback: Email sent to Darren, Feng, Yuguo, Georgios, and Stephen.<br>**Melissa Reedy (murray) (04/28/25 1:39 pm):** Rollback: Email sent to Darren, Feng, Yuguo, Georgios, and Stephen. |

Key: 910