

Northwestern | Statistics

Master of Science in Applied Statistics Degree Program Application

Instructions

- Step 1:** Complete the Master of Science in Applied Statistics Degree Program Application. Please note this application requires you to complete both the **MS in Applied Statistics Application form** and the **TGS Application for Ad Hoc Combined Degree**.
- Step 2:** Meet with your Director of Graduate Studies (DGS) and your Advisor to review the plan, discuss timeline, make any needed changes, and receive DGS and Advisor statements and signatures of approval.
- Step 3:** Once the DGS and Advisor signatures of approval have been acquired, contact the Department of Statistics Ad Hoc MS in Applied Statistics Program Director, Elizabeth Tipton at tipton@northwestern.edu, to schedule an advising appointment with Professor Tipton.
- Step 4:** Meet with the Department of Statistics MS in Applied Statistics Program Director, Elizabeth Tipton, to review the plan, discuss timeline, make any needed changes, and receive approval to pursue a Master of Science in Applied Statistics degree.
- Step 5:** If approved by the Statistics Ad Hoc MS Program Director, the Statistics administrator, Kisa Kowal, will give the application to the Statistics DGS for their signature on the TGS portion of the application.
- Step 6:** The Dept. of Statistics will send a copy of your approved application to you, your advisor, and your DGS and submit it to TGS.

If you have questions about the application or process, please contact the Dept. of Statistics department administrator, Kisa Kowal, at k-kowal@northwestern.edu

First Name _____ Last Name _____

Preferred First Name _____ Student ID # _____

NetID _____ Email address _____

Phone number _____ Year of entry to Northwestern _____

PhD Department, School _____

Reason for Master of Science in Applied Statistics Degree

Please provide a brief explanation for why you wish to pursue a Master of Science in Statistics degree.

Plan of Study List of Proposed Courses

MS degree program students will be expected to take a total of 9 courses. Two of these courses (STAT 320-1 and STAT 320-2) will ordinarily be required of all students to provide a foundation in statistical theory. Students should also complete 7 other courses selected with the advice and approval of the Program Director. Of the 9 courses typically only 3 courses can be from departments other than Statistics. Please indicate the courses you will ideally take to complete the MS program below.

Course Number	Course Name	Anticipated quarter and year	Completed
STAT 320-1	Statistical Methods 1	Fall	
STAT 320-2	Statistical Methods 2	Winter	

Alternate course options

Course Number	Course Name	Sub for Course #	Completed

Examples of Additional Courses

<p>Statistics STAT 325 Survey Sampling STAT 344 Statistical Computing STAT 345 Statistical Demography STAT 350 Regression Analysis STAT 355 Analysis of Qualitative Data STAT 352 Nonparametric Statistical Methods STAT 454 Time Series Analysis STAT 315 Causal Inference STAT 356 Hierarchical Linear Models STAT 351 Design and Analysis of Experiments STAT 439 Meta-Analysis STAT 351 Design & Analysis of Social Experiments</p> <p>Political Science POLI SCI 405 Linear Models POLI SCI 406 Econometrics POLI SCI 407 Experimental Political Science</p> <p>Psychology PSYCH 405 Psychometric Theory</p>	<p>Economics ECON 380 I, II Introduction to Mathematical Economics ECON 381 I, II Introduction to Econometrics ECON 401 Mathematical Methods of Economic Theory ECON 480 I, II, III Introduction to Econometrics ECON 481 I, II, III Econometrics ECON 483 Applied Econometrics: Cross Sectional Methods</p> <p>Epidemiology and Biostatistics EPI BIO 501 Advanced Epidemiology EPI BIO 502 Advanced Biostatistics</p> <p>Sociology SOCIOL 404 Designs for Descriptive Causal Research in Field Settings SOCIOL 402 Event History Analysis SOCIOL 476 Statistical Methods for Hierarchical and Panel Data</p>
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More approved courses can be found at <https://statistics.northwestern.edu/graduate/ad-hoc-ms-degree/approved-courses.html>

Proposed Culminating Experience Project

All MS in Applied Statistics candidates are required to complete a project using statistics. This project is typically work that will be included in the student's PhD thesis but can also be a stand-alone project. Please provide a brief description below of your idea/ideas for this project.*

***Please note** degree candidates will be required to submit a Ad Hoc MS Culminating Experience Project Proposal Form to the Program Director for final project approval prior to beginning work on their project. This form can be submitted any time after an accepted student has completed STAT 320-1 and STAT 320-2.

Signature

This document accurately reflects my plan for completing a Master of Science in Statistics degree

Applicant Signature

Date

Approvals

All Master of Science in Applied Statistics Degree applications must be reviewed and approved by the applicant's PhD program Director of Graduate Studies or Advisor and the Department of Statistics MS Degree Program Director.

I have reviewed the plan and approve this student to pursue a Master of Science in Statistics Degree.

Signature of PhD Program DGS or Advisor

Date

Signature of MS in Applied Statistics Program Director

Date

Office use only

Approved

Declined

TGS AD Hoc Complete

Date Submitted TGS:

Application for Ad Hoc Combined Degree

Students may pursue multiple degrees concurrently in more than one program within TGS only when the student has received permission to pursue a secondary master's degree **at the beginning** of the proposed plan of secondary study, per the [TGS Policy](#). To request permission to pursue concurrent degrees outside of an existing combined degree program, students must submit this completed form to gradservices@northwestern.edu

First Name _____ Last Name _____

Student ID # _____

Primary Program, School _____

Primary Program Director of Graduate Studies name _____

Primary Program Advisor Name _____

Secondary degree program Director of Graduate Studies name _____

Anticipated quarter of PhD degree completion _____

Proposed secondary degree program of study (program and degree) _____

Anticipated start date (quarter/year) of study in secondary program _____

Anticipated quarter of completion of study in secondary program _____

Reason for Pursuing the Secondary Degree

Briefly explain the academic/intellectual rationale for the plan of study

Proposed Plan of Study

Provide a description of your plan to fulfill all published requirements (including coursework, projects theses, etc.) for each degree without double counting TGS's minimum requirement for courses.

Coursework, completed and proposed, to meet TGS minimum coursework requirements for each degree:

Course Number	Course Name	Anticipated quarter and year	Completed

Student Signature

This document accurately reflects my plan for completing an ad hoc combined degree.

Student Applicant Signature

Date

Approvals

Students who wish to pursue an ad hoc combined degree must obtain:

- A statement from the primary academic advisor supporting the rationale for the secondary degree and confirming that the student is making acceptable progress toward the primary degree and;
- A statement from the Director of Graduate Study (DGS) for the **primary degree program** confirming that the outlined plan of study is acceptable and that the student has permission to pursue the degrees concurrently.
- A statement from the Director of Graduate Study (DGS) for the **secondary degree program** confirming that the outlined plan of study is acceptable and that the student has permission to pursue the degrees concurrently.

Primary Academic Advisor Approval

Statement of Support:

Advisor Signature

Date

Primary Program of Study DGS Approval

Statement of Support:

Primary Program DGS Signature

Date

Secondary Program of Study DGS Approval

Statement of Support:

Secondary Program DGS Signature

Date