

M.S. Statistics

The M.S. Statistics graduate program is undergoing several important changes. Please contact the graduate coordinator (gradinfo@math.wsu.edu, Neill 103) for a list of the current exceptions to policy regarding degree requirements, as well as information on pursuing this degree concurrently with your PhD in another department.

THE MS IN STATISTICS FOR PHD STUDENTS IN OTHER DEPARTMENTS

Description and Learning Outcomes – There are many disciplines and sub disciplines that require extensive advanced training in statistics to perform graduate research work. One natural avenue for students at WSU to obtain this advanced training is to pursue an MS in Statistics. It provides the skillset they need to perform research in their primary field of study and such a degree enhances their marketability. All students enrolled in a PhD program in Pullman are able to receive advanced statistical training at the Master of Science level. By pursuing this option, a student can simultaneously be enrolled in the MS in Statistics option and the program of their primary PhD degree-granting unit. Subject to approval of their respective committees, any of the graded credits taken at WSU may be shared by the MS Statistics and the PhD in Mathematics or Statistical Science. A thesis or written special project is required for the MS in Statistics and may be related to the student's PhD dissertation.

Application Process – Normally, students will have taken several graduate level Statistics courses before adding the MS program to their PhD program. Once they have found an advisor and committee, students will fill out an Add an Academic Program Degree Level form, to be submitted by the graduate coordinator. There is no additional application fee. Students must obtain consent from their primary department and the Department of Mathematics and Statistics to submit this form. At the same time, the student should submit a completed Program of Study for the M.S. Statistics. This must be submitted at least one semester in advance of the expected semester of graduation. Note that the Department of Mathematics and Statistics does not usually provide assistantships to students who are getting a PhD in another department.

Suggested schedule for an MS Statistics student obtaining a PhD in another program:

Year 1

Fall: Stat 512 Analysis of Variance of Designed Experiments

Stat 443 Applied Probability

Spring: Stat 556 Intro to Statistical Theory (prereq Stat 443)

Stat 530 Applied Linear Models (name may be changing)

Year 2

Fall: Stat 575 Theory of Multivariate Analysis (prereq Stat 556)

Stat 536 Statistical Computing

Spring: Stat 590 Statistical Consulting (at end of coursework)

Stat Elective

Year 3

Fall: Stat Elective

Stat Elective

Spring: Defense

Note: It is strongly recommended that students interested in the MS statistics program complete Stat 443 and Stat 512 first in the fall, then Stat 556 and Stat 530 the following spring. These courses will prepare the student for future electives and core requirements. Stat 443 should be considered a prerequisite for all other classes and must be taken before Stat 556. Please contact the graduate coordinator with any questions at gradinfo@math.wsu.edu