

Statistics Minor

Minor in Statistics

The minor in Statistics is designed to develop skills that complement various major degree programs in the social and natural sciences. The program will help students master statistical reasoning, the basics of statistical theory, and advanced techniques in data analysis. The Statistics minor will provide valuable preparation for postgraduate professional and academic degree programs and will broaden the possibilities for employment.

Integrated Writing in Statistics

Communicating statistical results in a clear and concise written report is an essential part of any data analysis project. In particular, reports need to be written in a way that will be meaningful and informative for non-statisticians. Since the ability to communicate results is central to the study of statistics at any level, writing skills are emphasized starting from the introductory statistics level (in homework assignments) and more substantially in the advanced applied statistics courses where students conduct an actual data analysis project and submit a professional written report.

For more details on the Writing Requirement, see <http://mathstat.georgetown.edu/resources/integrated-writing-requirement>

Requirements

Requirements for the Statistics Minor

The minor in Statistics requires the following six courses:

Code	Title	Credits
MATH 1505	Data Visualization & Graphics ¹	3
MATH 2140	Intro Math Statistics ²	3
MATH 2540	Regression Analysis ³	3
Select three Statistics electives at the 2000+ level. e.g.		9
MATH 2240	Math for Machine Learning	
MATH 2620	Statistical Learning & DataSci	
MATH 2625	Biostatistical Methods	
MATH 2640	Advanced Regression Methods	
MATH 2645	Applied Time Series Analysis	
Total Credits		18

¹ Prerequisite: any prior statistics course

² Prerequisite: MATH 1360. ECON 2110 is mutually exclusive with MATH 2140; you may use it towards the minor, provided your major allows double-counting a course. Otherwise, you should take a fourth Statistics elective at the 2000+ level instead of MATH 2140.

³ Prerequisite: MATH 2140. PSYC 5004 is equivalent to MATH 2540; you may use it towards the minor, provided your major allows double-counting a course. Otherwise, you must take a **fourth** 2000+ Statistics elective in place of MATH 2540.

Subject to approval for content and level of the course by the Director of Undergraduate Studies, a student may take one of the Statistics electives outside of the department.

A Statistics minor must take a minimum of two 2000+ level Statistics courses **within the department**, regardless of transfer credit or study abroad.

Students majoring in Mathematics (A.B. or B.S.) are **not** eligible to pursue the minor in Statistics.

For more information or to discuss how the minor in Statistics can fit your schedule and complement your major field of study, contact the DUS.