

APPLIED STATISTICS CERTIFICATE

The influence of data continues to expand as an increasing number of fields strive to be increasingly data-driven. Correspondingly, the availability of data for analysis has increased. This certificate serves students interested in the mathematical aspects of statistics and data analysis – including how to access, interpret and communicate data; how to analyze data and separate signal from noise; and how to build, validate and interpret predictive models. The certificate is available to all Western students and can be a valuable addition to any program of study. It can also stand alone for the non-degree seeking student. The Applied Statistics Certificate cannot be combined with the Data Analytics Minor or the Advanced Level Mathematics Certificate.

The Applied Statistics Certificate consists of the following courses:

Code	Title	Credits
CS 190	Computer Science I	3
CS 220	Data Analytics	3
MATH 213	Probability and Statistics (GT-MA1)	3
or ECON 216	Statistics for Business and Economics	
MATH 260	Applied Linear Algebra	3
MATH 313	Statistical Modeling and Simulation	3
Total Credits		15