KELLOGG CERTIFICATES

kellogg.northwestern.edu/certificate

Overview
The Kellogg School of Management administers a program leading to an undergraduate certificate in either Financial Economics or Managerial Analytics. Each certificate requires completion of four courses taught at an advanced level by Kellogg faculty members. Building on students’ existing analytical skills, the certificate curriculum serves as excellent preparation for careers in consulting, financial services, and other data-driven professions and/or for doctoral or professional school programs.

Certificate students also benefit from one-on-one counseling from a dedicated career development specialist to help them secure summer internships and full-time employment.

Application and Program Requirements
About 100 students each year are accepted into the certificate program through a competitive application process. Any Northwestern undergraduate who meets the program’s rigorous selection criteria may apply. Program prerequisites include advanced calculus and microeconomics. Additional program corequisites include intermediate probability & statistics and advanced econometrics & statistics.

Certificate Prerequisites
The program prerequisites should be completed prior to applying to the program. One prerequisite course may be taken during the Winter Quarter of the year you apply. All other program prerequisites should be completed no later than the fall of the year you apply.

Microeconomics Prerequisite
Complete one of the following courses:

Option 1
- ECON 310-1  Microeconomics

Option 2: MMSS
- MMSS 211-1  Social Science Theories & Meth-First Yr

*Please note that ECON 201-0 and ECON 202-0 are prerequisites

Certificate Corequisites
Program corequisites must be completed within a year of entering the program. Please note that program corequisites may be prerequisites for individual certificate courses. Take this into account when planning your course schedule.

Course Title

Probability Corequisite

Option 1
- MATH 314-0  Probability and Statistics for Econometrics

Option 2
- MATH 310-1  Probability and Stochastic Processes

Option 3: MENU
- MATH 311-1  MENU: Probability and Stochastic Processes

Option 4
- STAT 320-1  Statistical Theory & Methods 1

Option 5: ISP
- STAT 383-0  Probability and Statistics for ISP

Option 6: MMSS
- STAT 385-0  Probability and Statistics for MMSS

Option 7: McCormick
- MATH 302-0  Probability

Option 8: McCormick
- ELEC_ENG 302-0  Probabilistic Systems

Option 9: McCormick
- BMD_ENG 320-0  Introduction to Biomedical Statistics

Option 10: McCormick
- CHEM_ENG 312-0  Probability and Statistics for Chemical Engineering

*MATH 226-0 is a prerequisite or corequisite for these courses. Review prerequisites when planning your schedule

Econometrics/Statistics Corequisite

Option 1
- ECON 381-1  Econometrics

Option 2: MMSS
- MATH 386-1  Econometrics for MMSS

Option 3: McCormick
- IEMS 303-0  Statistics
- IEMS 304-0  Statistical Learning for Data Analysis

Option 4
- STAT 320-2  Statistical Theory & Methods 2
- or STAT 383-0  Probability and Statistics for ISP
- STAT 350-0  Regression Analysis

Option 4: Data Science Major or Minor with R**
- STAT 301-1  Data Science 1 with R
- STAT 301-2  Data Science 2 with R
- STAT 301-3  Data Science 3 with R

Option 5: Data Science Major or Minor with Python**
- STAT 303-1  Data Science 1 with Python
- STAT 303-2  Data Science 2 with Python
- STAT 303-3  Data Science 3 with Python

*Must also take MATH 230-1
**Students should not plan to take these courses unless they have been admitted to the major or minor.**

See kellogg.northwestern.edu/certificate for a complete explanation of the program prerequisites and corequisites.