



2017-2018 PROGRAM REQUIREMENTS Minor: Statistics

About This Minor. . .

A minor in statistics is a natural enhancement to many majors outside mathematics where an understanding of statistical analysis of data is needed (e.g. biology, business, psychology, sociology, history, human performance and wellness, political science). A minor in statistics enables non-mathematics majors to complete a focused course of study in statistics on a smaller scale.

Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a minor. Meeting with an academic advisor is essential in planning courses and developing a suggested course sequencing. It is ultimately the student's responsibility to understand and fulfil the requirements for her/his intended minor.

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a minor. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head for the minor. Discrepancies in requirements should be reported to the Registrar's Office.

Graduation Process

A minor cannot be awarded by itself. It must be combined with a baccalaureate degree outside the major field of study. Students should follow the graduation process outlined for the baccalaureate degree and list their majors and minors on the "Intent to Graduate" form.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

INSTITUTIONAL MINOR REQUIREMENTS

The following institutional requirements apply to all CMU minors. Specific programs may have different requirements that must be met in addition to institutional requirements.

- A minor consists of 15-24 semester hours. There may be prerequisites required for the minor which will increase the total number of credit hours for a student who has not already taken those prerequisites.
- Courses taken to satisfy Essential Learning, major requirements, or electives **can** be counted toward the minor if applicable.
- At least 33 percent of the credit hours required for the minor must be in courses numbered 300 or above.
- At least 25 percent of the classes must be taken at CMU.
- 2.00 cumulative GPA or higher for the courses used for the minor.
- A minor is not a degree by itself and must be earned at the same time as a baccalaureate degree.
- A minor must be outside the major field of study.
- A student may earn up to five minors with any baccalaureate degree at CMU.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements sheet you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

PROGRAM-SPECIFIC MINOR REQUIREMENTS

- 18-20 semester hours for the Minor in Statistics.

REQUIRED COURSES FOR THE STATISTICS MINOR (18-20 semester hours)

- One of the following courses:
STAT 200 - Probability and Statistics (3)
STAT 215 - Statistics for Social and Behavioral Sciences (4)
STAT 241 - Introduction to Business Analysis (3)
CISB 241 - Introduction to Business Analysis (3)
- One of the following courses:
MATH 121 - Business Calculus (3)
MATH 135 - Engineering Calculus I (4)
MATH 146 - Calculus for Biological Sciences (5)
MATH 151 - Calculus I (5)

Choose 12 semester hours from the list below:

- STAT 305 - Statistics and Quality Control for Engineering (3)
- STAT 311 - Statistical Methods (3)
- STAT 313 - Sampling Techniques (3)
- STAT 350 - Mathematical Statistics I (3)
- STAT 351 - Mathematical Statistics II (3)
- STAT 396 - Topics (1-3)
- STAT 412 - Correlation and Regression (3)
- STAT 425 - Design and Analysis of Experiments (3)
- STAT 496 - Topics (1-3)

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