STATISTICS (MINOR)

Minor: Statistics
Program Code: M465

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.

Requirements

Each section below contains details about the requirements for this program. Select a header to expand the information/requirements for that particular section of the program's requirements.

To print or save an overview of this program's information, including the program description, learning outcomes, requirements, suggested course sequencing (if applicable), and advising and graduation information, scroll to the bottom of the left-hand navigation menu and select "Print Options." This will give you the options to either "Send Page to Printer" or "Download PDF of This Page." The "Download PDF of This Page" option prepares a much more concise presentation of all program information. The PDF is also printable and may be preferable due to its brevity.

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

(18-21 semester hours)

Code	Title	Semester Credit Hours
Required Courses		
Select one of the following:		3-4
STAT 200	Probability and Statistics-GTMA1	
STAT 215	Statistics for Social and Behavioral Sciences	
STAT 241	Introduction to Business Analysis	
CISB 241	Introduction to Business Analysis	
Select one of the following:		3-5
MATH 121	Calculus for Business	
MATH 131	Applied Calculus-GTMA1	
MATH 135	Engineering Calculus I	
MATH 151	Calculus I-GTMA1	
Core Course		
STAT 301	Computational Statistics	3
Restricted Electives		
Choose 9 credit hours from the following:		9
STAT 305	Statistics and Quality Control for Engineering	
STAT 312	Correlation and Regression	
STAT 313	Sampling Techniques	
STAT 350	Mathematical Statistics I	
STAT 351	Mathematical Statistics II	
STAT 396	Topics	
STAT 425	Design and Analysis of Experiments	
STAT 430	Categorical Data Analysis	
STAT 496	Topics	
Total Semester Credit Hours		**18-21**

Advising and Graduation

Advising Process and DegreeWorks

Documentation on the pages related to this program 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 fulfill the requirements for their 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 their responsibility to consult the Registrar’s Office regarding next steps.