

The Ohio State University
College of Arts and Sciences

Statistics (STAT-MN)

Department of Statistics, 404 Cockins Hall
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A demonstrated knowledge and working understanding of basic statistical techniques and methods is critical for students in many disciplines including business, engineering, life sciences and social sciences. The undergraduate minor in Statistics is designed as a valuable asset to enhance most undergraduate majors and career opportunities for their students.

To achieve the Statistics minor, the student must successfully complete the requirements listed in (1) - (3) below. The total number of semester credit hours required for the statistics minor is at least 13.

Some courses in this minor have pre-requisites. Please consult the course bulletin before enrolling in courses.

(1) Take and pass with a grade of C- or above each of the following required courses:

Stat 3201 (3) Introduction to Probability for Data Analytics
Stat 3202 (4) Introduction to Statistical Inference for Data Analytics
Stat 3301 (3) Statistical Modeling for Discovery I

Note: Stat 3201-3202 can be replaced with Stat 4201-4202.
Stat 4201 (4) Introduction to Mathematical Statistics I
Stat 4202 (4) Introduction to Mathematical Statistics II
Students replacing Stat 3201-3202 with Stat 4201-4202 must also take Stat 5730 as a pre-requisite to Stat 3301.

(2) Take and pass with a grade of C- or above one of the following two courses.

Stat 3302 (3) Statistical Modeling for Discovery II
Stat 3303 (3) Bayesian Analysis & Statistical Decision Making
Stat 3410 (3) Principles of Data Collection and Analysis
Stat 5510 (3) Statistical Foundations of Survey Research
Stat 5550 (3) Introductory Time Series Analysis

(3) Maintain a minimum cumulative grade point average of 2.00 in the statistics minor.

(4) Students with credit for Math 4530 or Math 5530H who elect to take 4201-4202 instead of 3201-3202 need not take Stat 4201 before they take 4202. However, for Math majors, Math 4530 or Math 5530H cannot be counted for credit in the Statistics minor. Students with Math 4530 or Math 5530H but not 4201 will have to take 3 semester hours of electives (see next note for a list of possible electives).

(5) In addition to the required courses, it is recommended that the student take one or more electives from such specialized courses as Bayesian Analysis and Statistical Decision Making (3303), Introduction to Statistical Learning (4620), Advanced Statistical Inference (4301), Computational Statistics (4302), Statistical Foundations of Survey Research (5510), Introductory Time Series Analysis (5550), Introduction to R for Data Science (5730), or Introduction to SAS Software (5740). Other electives may be selected with the approval of the Undergraduate Minor Coordinator.

Statistics minor program guidelines

Credit hours required A minimum of 13 credit hours. 1000 level courses shall not be counted in the minor.

Transfer and EM credit hours allowed

A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.

Overlap with the GE A student is permitted to overlap up to 6 credit hours between the GE and the minor.

Overlap with the major and additional minor(s)

- The minor must be in a different subject than the major.
- The minor must contain a minimum of 12 hours distinct from the major and/or additional minor(s).

Grades required

- Minimum C- for a course to be listed on the minor.
- Minimum 2.00 cumulative GPA for all minor course work.
- Course work graded Pass/Non-Pass cannot count on the minor.
- No more than 3 credit hours of coursework graded Satisfactory/Unsatisfactory may count toward the minor.

X193 credits No more than 3 credit hours.

Approval required The minor program must be approved by the academic unit offering the minor

Filing the minor program form The minor program form must be filed at least by the time the graduation application is submitted to a college/school advisor.

Changing the minor Once the minor program is filed in the college office, any changes must be approved by the academic unit offering the minor

College of Arts and Sciences
Curriculum and Assessment Services
306 Dulles Hall 230 Annie and John Glenn Ave.
<http://artsandsciences.osu.edu>

Received 2/28/12 DH
Updated 7/11/13 DH
BV 7/20/15
Rev approved CAA 10-17-18
Updated 2/10/20 DH
Updated 6/9/21 DH
Updated 6/14/22 RLS
Updated 9/13/22 RLS