

University of Indianapolis – Shaheen College of Arts & Sciences
2025-2026 Curriculum Guide for the Statistics Minor (STAT)
 Minor

Required Courses (9-10 credits):

- **MATH 225** Introduction to R Programming (2)
- **One (1) of:**
 - **MATH 220** Elementary Statistics (4)
 - **MATH 245** Statistics for the Sciences (4)
 - **MATH 350** Probability and Statistics I (3)
- **MATH 345** Applied Statistical Methods (4)

Elective courses (9-11 credits):

- **Three (3) additional courses to be chosen from the list below:**
 - **MATH 351** Probability and Statistics II (3)
 - **MATH 335** Operations Research I (3)
 - **MATH 355** Nonparametric Statistics (3)
 - **MATH 358** Statistical Design of Experiments (3)
 - **MATH 365** Time Series Analysis (3)
 - **MATH 415** Bayesian Analysis and Statistical Decision Making (4)
 - **MATH 425** Statistical Learning (4)
 - **MATH 325** Special Topics in Mathematics (.5-4)
 - A data analysis or research methods course, including a capstone or research
 - A course, from a different department (subject to departmental approval)

Total Hours for STAT Minor: **18-21**

NOTES:

- A grade of C- (1.7 on a 4.0 scale) or higher is required in all courses applying toward the STAT Minor.
- MATH 335, MATH 350, MATH 415 and MATH 425 have additional math prerequisites.

REMEMBER: If you have any questions about the Statistics minor and its requirements, contact Dr. Livia Hummel, Department of Mathematical Sciences (317-788-3320; hummell@uindy.edu). Courses and requirements sometimes change so keep in contact with your advisor.