Statistics Minor

For information, contact the Department of Statistics, 311 Upham Hall, 513-529-7828.

Statistical methods are increasingly in use in decision-making and data analysis in business and industry. Moreover, basic research in the biological, management, and social sciences, as well as in some areas of humanities, is also increasingly statistical in nature. As a result, demand for persons knowledgeable in the science of statistics is on the rise. The minor in Statistics provides a program in statistics suitable for students with very good mathematical abilities.

This minor is not available to students majoring in either data science and statistics or mathematics and statistics. This minor is available to all other students including those majoring in mathematics.

To complete the minor in Statistics, you must earn at least 18 semester hours with at least a 2.00 GPA. A course taken on a credit/no credit basis does not apply toward the minor.

Program Requirements

(21 semester hours)

Code	Title	Credit Hours
MTH 251	Calculus II	4-5
or MTH 249	Calculus II	
STA 363	Introduction to Statistical Modeling	3
STA 401	Probability	3
STA 463	Regression Analysis [1]	4
STA 466	Experimental Design Methods	4
Select one of the following:		3
STA 333	Nonparametric Statistics	
STA 365	Statistical Monitoring and Design of Experiments	
STA 402	Statistical Programming	
STA 404	Advanced Data Visualization	
STA 427	Introduction to Bayesian Statistics	
STA 432	Survey Sampling in Business	
STA 462	Inferential Statistics [2]	
STA 475	Data Analysis Practicum	
STA 483	Analysis of Forecasting Systems	
Total Credit Hours		**21-22**

1 Has MTH 222 as a prerequisite.
2 Has MTH 252 as a prerequisite.