

DATA ANALYTICS - MINOR

College of Business Administration
 Department of Economics
 480 Business Administration Building
 Kent Campus
 330-672-2366
 economics@kent.edu
 www.kent.edu/business/economics

Description

The Data Analytics minor trains students to use data to inform decision-making and create solutions. Students learn to acquire and collect raw data in various formats, convert raw data in various formats, convert raw data to usable formats and then understand how to appropriately analyze the data to draw accurate and useful conclusions. Graduates of the program will be able to use their skills across a wide-range of industries as well as in the non-profit and government sectors.

Fully Offered At:

- Kent Campus

Admission Requirements

Admission to a minor is open to students declared in a bachelor's degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

To declare the Data Analytics minor, students must have completed following courses (or their equivalent) with a minimum C- grade: ECON 22060 and MATH 11012 (or MATH 12002).

Minor Requirements

Code	Title	Credit Hours
Minor Requirements		
ECON 32050	APPLIED ECONOMETRICS I (ELR) (min C grade)	3
ECON 32051	APPLIED ECONOMETRICS II	3
ECON 42050	DATA ACQUISITION, PREPARATION AND VISUALIZATION	3
MGMT 24056	BUSINESS ANALYTICS I	3
Programming Elective, choose from the following:		
CIS 34070	PROGRAMMING THEORY AND APPLICATIONS	3
CS 13011 & CS 13012	COMPUTER SCIENCE IA: PROCEDURAL PROGRAMMING and COMPUTER SCIENCE IB: OBJECT ORIENTED PROGRAMMING	3
DSCI 15310	COMPUTATIONAL THINKING AND PROGRAMMING	3
Programming or Applied Economics Elective, choose from the following:		
<i>Programming Elective</i>		
CIS 44033	ADVANCED COMPUTER PROGRAMMING FOR BUSINESS	3

CS 23001	COMPUTER SCIENCE II: DATA STRUCTURES AND ABSTRACTION	
<i>Applied Economics Elective</i> ¹		
ECON 42068	INDUSTRIAL ORGANIZATION: FIRMS AND STRATEGY	
ECON 42072	LABOR ECONOMICS: WORK AND PAY	
ECON 42191	SENIOR SEMINAR IN ECONOMICS (WIC)	
Minimum Total Credit Hours:		18

¹ Students may be allowed to choose an appropriate applied data course from their major discipline, subject to approval by the undergraduate coordinator in economics.

Graduation Requirements

- Minimum Minor GPA**
2.500
- Students are expected to satisfy course prerequisites for each course required in the minor. Prerequisites are not tied to a particular catalog; therefore it is important to look at the most current information about a course.
 - Student may not pursue a minor and a major in the same discipline
 - In computing the minor GPA, all attempts of 30000- and 40000-level courses are included in the calculation, while only the highest grade for all attempts in 10000- and 20000-level courses are counted.
 - Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).
 - Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
 - Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).