DATA ANALYTICS - MINOR

Ambassador Crawford College of Business and Entrepreneurship
Department of Economics
www.kent.edu/business/economics

About This Program

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 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.

Contact Information

- **Tom Sahajdack, Ph.D.** | tsahajda@kent.edu | 330-672-1085
- Speak with an Advisor

Program Delivery

- **Delivery:**
  - In person
- **Location:**
  - 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).

Program Requirements

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
MATH 10041	INTRODUCTORY STATISTICS (KMCR) [1]	3-4
or BA 24056	BUSINESS ANALYTICS I	
Programming Elective, choose from the following:		3
CS 13011 & CS 13012	COMPUTER SCIENCE IA: PROCEDURAL PROGRAMMING and COMPUTER SCIENCE IB: OBJECT ORIENTED PROGRAMMING	
EMAT 25310	CREATIVE CODING	
Programming or Applied Elective, choose from the following:		3
Programming Elective		
CS 23001	COMPUTER SCIENCE II: DATA STRUCTURES AND ABSTRACTION	
Any other programming course with approval		
Applied Elective [2]		
ACCT 43009	ACCOUNTING DATA ANALYTICS	
CIS 44043	DATABASE DESIGN AND DATA GOVERNANCE	
ECON 42068	INDUSTRIAL ORGANIZATION: FIRMS AND STRATEGY	
ECON 42072	LABOR ECONOMICS: WORK AND PAY	
ECON 42191	SENIOR SEMINAR IN ECONOMICS (WIC)	
FDM 35270	COMPUTER APPLICATIONS IN RETAILING	
FIN 36086	ADVANCED FINANCIAL MODELING	
MKTG 35061	MARKETING ANALYTICS	
Minimum Total Credit Hours:		**18**

[1] Students who have taken an equivalent course in introductory statistics or have an equivalent AP statistics exam score may substitute for the statistics requirement.

[2] 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	Minimum Overall GPA
2.500	2.000

- 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
- 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).

Program Learning Outcomes

Graduates of this program will be able to:

1. Acquire and collect raw data in various formats.
2. Convert raw data to usable formats.
3. Analyze the data to draw accurate and useful conclusions.