

# MULTIDISCIPLINARY STUDIES, B.S., BUSINESS ANALYTICS OPTION

Business Analytics is an area that is interdisciplinary in nature, bringing together competencies across the social sciences and natural sciences.

Data acquisition, data analysis, strategic planning, and communication are essential skills that are common to several disciplines and form the core of any business analytics program. Students who enroll in the MDST Business Analytics concentration will gain the abilities and experience to analyze information and make data-driven recommendations that can help clients, workers, companies, and society as they lead business organizations into the future.

## PROGRAM ADVISORS

Dr. Ronald Baker, Associate Professor (Economics)

Dr. Eric Blazer, Associate Professor & Chair (Accounting and Finance)

For more information visit: <https://www.millersville.edu/mdst/approved-programs/business-analytics.php>

## Multidisciplinary Studies(BS)- College of Business

Code	Title	Hours
<b>BUSINESS ANALYTICS - CORE 1 (BUSINESS)</b>		
BUAD 161	Intro to Financial Accounting	3
BUAD 162	Intro to Managerial Accounting	3
BUAD 206	Business Research Methods	3
BUAD 231	Principles of Marketing	3
BUAD 251	Principles of Management	3
Management Information Systems or Fundamentals of Info Tech -		3-4
Choose 1 of the following:		
BUAD 307	Management Information Systems	
INTE 130	Fundamentals of Information Technology	
BUAD 358	Management Science	3
MGMT 452	Operations and Supply Chain Management	3
Core 1 Electives - Choose 2 of the following: 6		
ACCT 405	Topics in Accounting	
FIN 405	Topics in Finance	
ECON 335	Forecasting and Analytics	
MKTG 431	Marketing Research	
MGMT 381	Data & Information Management	
<b>BUSINESS ANALYTICS - CORE 2 (MATH AND COMPUTER SCIENCE)</b>		
CSCI 151	Intro to Programming for Data Science I	4
CSCI 152	Intro to Programming for Data Science II	4
CSCI 366	Database Systems	4
Data Mining or Data Analytics - Choose 1 of the following: 4		
CSCI 452	Data Mining	
CSCI 453	Large-Scale Data Analytics and Visualization	
MATH 120	Logic for Information Technology	2
Survey of Statistics or Applied Statistics I - Choose 1 of the following: 3		
MATH 235	Survey of Statistics	
ECON 231	Applied Statistics 1	
MATH 255	Intro to Data Analytics	3

ECON 333	Econometrics	3
<b>CAPSTONE EXPERIENCE - SENIOR SEMINAR OR INTERNSHIP/ RESEARCH</b>		
undefined - Choose 3 hours from: 3		
ACFN 300	Co-Op Ed Exp in Acct/Fin	
ECON 300	Co-Op Ed Experience in Econ	
MATH 300	Co-Op Ed Experience in Math	
MGMK 300	Co-Op Ed Exp in Mgmt/Mktg	
CSCI 300	Co-Op Ed Experience in CSCI	
ACFN 489	Honors Course	
ACFN 499		
CSCI 489	Honors Course	
CSCI 499	Departmental Honors	
ECON 489	Honors Course	
ECON 499	Departmental Honors	
MATH 489	Honors Course	
MATH 499	Departmental Honors	
MGMK 489	Honors Course	
MGMK 499		

**Total Hours** 60-61

## Req Related for Multidisciplinary Studies - BUAD

Code	Title	Hours
<b>Related Electives for Business Analytics</b>		
ECON 101	Principles of Macroeconomics	3
ECON 102	Principles of Microeconomics	3
MATH 256	Data Visualization and Communication	4
<b>Total Hours</b>		<b>10</b>