MASTER OF SCIENCE IN APPLIED STATISTICS

WITH SPECIALIZATION IN BUSINESS ANALYTICS

BGSU. | College of Business

BOWLING GREEN STATE UNIVERSITY

39 Credit Hours Required:

Required Core Courses

MATH	6410	Probability Theory I
MATH	6420	Mathematical Statistics II
MIS	5400	Business Database Management
OR	6610	Linear and Integer Programming
STAT	5020	Regression Analysis
STAT	5080	Experimental Design
STAT	5160	Time Series Analysis
STAT	6440	Data Mining

Choose 1

MATH	5450	Applied Probability
OR	6620	Probability Models for Decision Making

CS/MIS/OR Electives (Choose 1)

CS	5200	Artificial Intelligence
CS	5420	Techniques of Simulation
CS	5120	Analysis of Algorithms
MIS	5600	Business Intelligence
MBA	5710	Business System Analysis
OR	5720	Computer Simulation of Management Systems
OR	6470	Network Analysis
OR	6490	Applied Nonlinear & Dynamic Programming
OR	6690	Case Studies in Management Science

MATH/STAT Elective (Choose 1)

MATH	5470	Exploratory Data Analysis
MATH	6440	Stochastic Processes
MATH	6460	Nonparametric Statistical Inference
MATH	6480	Bayesian Statistical Inference
MATH	7580	Computational Statistics
STAT	5060	Sample Design
STAT	5120	Applied Nonparametric Statistics
STAT	5140	Statistical Quality Control
STAT	6200	Experimental Design II
STAT	6300	Applied Multivariate Analysis
STAT	6340	Discrete Data Analysis
STAT	6800	Seminar in Statistics

ECON/MBA Elective (Choose 1)

ECON	6000	Behavior of the Firm in a Global Environment
ECON	6010	Economic Policy
ECON	6070	Graduate Econometrics
ECON	6100	Advanced Microeconomic Theory
ECON	6110	Aggregative Economics
ECON	6120	Monetary Theory and Policy
MBA	6000	Financial Accounting and Analysis
MBA	6030	Managerial Accounting
MBA	6040	Supply Chain Management
MBA	6050	Marketing Management and Strategy
MBA	6320	Managing Strategic Human Recourses
MBA	6420	Services Marketing Management
MBA	6540	Global Supply Chain Management
MBA	6690	Case Studies in Management Science

Plan I Thesis Option:

STAT	6990	Thesis Research

Plan II Comprehensive Exam Option

STAT	6750	Research Methods in Statistics and Comprehensive Exam covering MATH 6410, 6420, STAT 5020, 5080