

BUSINESS ANALYTICS MINOR

OPSM 425 SERVICE AND OPERATION ANALYSIS

Total Credits

20

Business Analytics is a high-demand field composed of a hybrid of information systems, applied statistics, management science, data analysis, operations research, consumer behavior, risk management, and decision support. The focus is on the analysis of data to develop decision models in a business environment.

Note:

- due to the cross-disciplinary nature of Business Analytics, the following business core courses should be completed before starting this minor: ACCT 251, ACCT 252, DSCI 245, DSCI 346, ECON 200, ECON 201, FINC 335, MISC 311, MKTG 310, and OPSM 330;
- this minor is intended for BSB students except for BSB in Information Systems & Business Analytics;
- enrollment is restricted to those who have been formally declared into a BSB program;
- given the level of quantitative, critical thinking, and problem-solving skills necessary to complete this minor, students should have a GPA ≥ 3.0 before starting this minor;
- a maximum of 8 credits can be counted towards both this minor and a School of Business program (double-counting policy);
- a minimum of 12 credits of this minor must be taken at EWU.

Grade Requirement: must achieve a minimum grade $\geq C$ in each course that fulfills a requirement for the minor.

Required Courses

DSCI 445	OPTIMIZATION VIA MANAGEMENT SCIENCE	4
MISC 373	BUSINESS DATABASE APPLICATIONS	4
MISC 374	SPREADSHEET MODELING FOR BUSINESS APPLICATIONS	4

Electives—choose two from the following, or see your department advisor for approved electives 8

DSCI 352	MIXED RESEARCH METHODS, SECURITY AND ETHICS FOR ANALYTICS
DSCI 353	DATA MANAGEMENT, CLEANING AND IMPUTATION
DSCI 446	BUSINESS FORECASTING
DSCI 447	DESIGN OF EXPERIMENTS
DSCI 448	BUSINESS SIMULATION
DSCI 449	MULTIVARIATE DATA ANALYSIS
DSCI 450	DATA VISUALIZATION
DSCI 498	SEMINAR

Note: A maximum of 8 credits may be double counted in this minor. If necessary, alternates may be chosen from the following

MISC 371	BUSINESS APPLICATIONS PROGRAM DESIGN
MISC 372	DATA COMMUNICATION AND NETWORK FUNDAMENTALS
MISC 481	SYSTEMS ANALYSIS AND DESIGN
MISC 485	ADVANCED DATABASE APPLICATIONS DEVELOPMENT
MISC 486	INFORMATION SECURITY MANAGEMENT
MISC 487	DIGITAL ENTREPRENEURSHIP
MISC 498	SEMINAR
MKTG 411	MARKETING RESEARCH