

# DATA ANALYTICS MINOR

This minor is offered to all students interested in the science of rational decision-making through the study, design and integration of complex situations and systems. This discipline focuses on managerial planning, mathematical modeling and the use of computer technology to help decision-makers choose from among a set of alternatives in light of all possible consequences. This minor is recommended for students who wish to possess problem-solving skills that can be used to make and implement decisions as efficiently and effectively as possible.

Note:

- this minor is intended for non-BSB students;
- 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.

## Prerequisites

DSCI 245	BUSINESS STATISTICS 1	4
DSCI 346	BUSINESS STATISTICS 2	4

## Required Courses—choose at least three of the following or see the department for approved alternatives 12

DSCI 352	MIXED RESEARCH METHODS, SECURITY AND ETHICS FOR ANALYTICS
DSCI 353	DATA MANAGEMENT, CLEANING AND IMPUTATION
DSCI 445	OPTIMIZATION VIA MANAGEMENT SCIENCE
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

<b>Total Credits</b>	<b>20</b>
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