

# BUSINESS MANAGEMENT MAJOR: DATA ANALYTICS OPTION (B.S.)

<https://cps.unh.edu/online/program/bs/business-management-data-analytics-option>

## Description

The Bachelor of Science degree in Business Management offers students the appropriate breadth and depth of study with a concentration of five courses to pursue other areas of interest in management.

The degree is responsive to the education needs of businesses and includes an appropriate foundation for further graduate study. The outcomes-based program is built upon a foundation of six essential competencies that are integrated throughout the curriculum: critical thinking, effective oral and written communication, applied quantitative analysis, managing in a global environment, ethical practice, and leadership.

## Requirements

### Degree Requirements

**Minimum Credit Requirement:** 120 credits

**Minimum Residency Requirement:** 30 credits must be taken at UNH

**Minimum Cumulative GPA:** 2.0 is required for conferral\*

**Core Curriculum Required:** General Education Program

Major, Option and Elective Requirements as indicated.

*\*GPA: Major and any state certification GPA requirements may be higher and are indicated in program details.*

A minimum grade of C- is required in all Major coursework. Students are allowed a maximum of two course overlaps. Overlaps can be used between Major, Minor, and General Education requirements with only one overlap being utilized between the Major and Minor. Please note that Option requirements are considered part of the Major. Students must complete 16 upper-level credits in majors within the College of Professional Studies, Online.

### General Education Program Requirements

A minimum grade of D- is required in all General Education coursework. Students are allowed a maximum of two course overlaps. Overlaps can be used between Major, Minor and General Education requirements with only one overlap being utilized between the Major and Minor.

All General Education requirements, including CRIT 602 Advanced Critical Analysis and Strategic Thinking and IDIS 601 Interdisciplinary Seminar, must be taken prior to the capstone.

Code	Title	Credits
ENG 420	The Writing Process	4
COM 460	Interpersonal Communication and Group Dynamics	4
COM 480	Visual Communication	4

CRIT 501	Introduction to Critical Inquiry	4
Select one of the following:		4
MTH 402	Math for Our World	
MTH 504	Statistics	
MTH 510	Pre-Calculus	
Knowledge of Human Behavior & Social Systems		4
Knowledge of the Physical & Natural World		4
Knowledge of Human Thought & Expression		4
CRIT 602	Advanced Critical Analysis and Strategic Thinking	4
IDIS 601	Interdisciplinary Seminar	4
<b>Total Credits</b>		<b>40</b>

## Writing Program Requirements

All bachelor's degree candidates are required to complete four writing intensive courses as part of the University [Writing Program Requirements](#) as follows:

Code	Title	Credits
ENG 420	The Writing Process	
One Writing Intensive course in the Major		
One Writing Intensive course at the 600-level or above		
One Additional Writing Intensive Course		

*Writing Intensive courses are identified with the label "Writing Intensive Course" in the "Attributes" section of the course description and/or a W following the course number.*

## Major Requirements

Prior to capstone enrollment, students are expected to complete the majority of their required major courses along with CRIT 602 Advanced Critical Analysis and Strategic Thinking and IDIS 601 Interdisciplinary Seminar. Students should consult with their advisor regarding specific major courses that may be completed with their capstone. Academic Advisor approval is required for registration to be processed.

Code	Title	Credits
<b>Major in Business Management</b>		
<i>Foundational Courses</i>		
APST 405	Career Development and Planning	2
CMPL 402	Excel	2
MGMT 410	Principles of Management	4
MTH 504	Statistics	4
<i>Intermediate Courses</i>		
ACCT 532 or MGMT 569	Financial Accounting Budget Management	4
<i>Advanced Courses</i>		
Select three of the following:		12
CMPL 643	Managing Information Technology	
ECO 470	Principles of Economics	
HRM 420	Human Resource Management	
MGMT 625	Legal and Ethical Issues in Business Management	
MKT 510	Principles of Marketing	
OPS 570	Operations Management	
<i>Option in Data Analytics</i>		
DAT 510	Introduction to Data Analytics	4
DAT 535	Data Mining, Cleaning, and Visualization	4
DAT 610	Data Analytics and Technologies	4
DAT 620	Data Analytics in Business Intelligence	4
DAT 670	Advanced Data Analytics	4
<i>Integrative Capstone</i>		
MGMT 795 or MGMT 798	Integrative Capstone: Industry-Based Internship Integrative Capstone: Strategic Management Experience	4
<b>Total Credits</b>		<b>52</b>

Electives

Open electives are courses students will need to take in addition to their general education and major requirements in order to satisfy the remaining credit totals for their programs. Open electives are defined as any credit course offered by the College not already included in the student’s general education, major, option or minor. Students will need 120 credits total to graduate with a bachelor’s degree from the Online Division of the College of Professional Studies.

Degree Plan

This degree plan is a sample and does not reflect the impact of transfer credit or current course offerings. UNH CPS Online undergraduate students should develop individual academic plans with their academic advisor during their first year at UNH.

Sample Course Sequence

First Year		
Fall		Credits
APST 405	Career Development and Planning	2
CMPL 402	Excel	2
ENG 420	The Writing Process	4
MTH 402	Math for Our World	4
General Education Course		4
Credits		16
Spring		
COM 460	Interpersonal Communication and Group Dynamics	4
CRIT 501	Introduction to Critical Inquiry	4
MGMT 410	Principles of Management	4
Elective		4
Credits		16
Second Year		
Fall		
COM 480	Visual Communication	4
MTH 504	Statistics	4
ECO 470	Principles of Economics	4
or HRM 420	or Human Resource Management	
or MKT 510	or Principles of Marketing	
or CMPL 643	or Managing Information Technology	
or MGMT 625	or Legal and Ethical Issues in Business Management	
or OPS 570	or Operations Management	
General Education Course		4
Credits		16
Spring		
ACCT 532	Financial Accounting	4
or MGMT 569	or Budget Management	
DAT 510	Introduction to Data Analytics	4

HRM 420	Human Resource Management	4
or ECO 470	or Principles of Economics	
or MKT 510	or Principles of Marketing	
or CMPL 643	or Managing Information Technology	
or MGMT 625	or Legal and Ethical Issues in Business Management	
or OPS 570	or Operations Management	
Elective		4
Credits		16
Third Year		
Fall		
CRIT 602	Advanced Critical Analysis and Strategic Thinking	4
DAT 535	Data Mining, Cleaning, and Visualization	4
CMPL 643	Managing Information Technology	4
or ECO 470	or Principles of Economics	
or HRM 420	or Human Resource Management	
or MKT 510	or Principles of Marketing	
or MGMT 625	or Legal and Ethical Issues in Business Management	
or OPS 570	or Operations Management	
Elective		4
Credits		16
Spring		
DAT 610	Data Analytics and Technologies	4
DAT 620	Data Analytics in Business Intelligence	4
General Education Course		4
Elective		4
Credits		16
Fourth Year		
Fall		
DAT 670	Advanced Data Analytics	4
IDIS 601	Interdisciplinary Seminar	4
Elective		4
Elective		4
Credits		16
Spring		
MGMT 798	Integrative Capstone: Strategic Management Experience	4
or MGMT 795	or Integrative Capstone: Industry-Based Internship	
Elective		4
Credits		8
Total Credits		120

Student Learning Outcomes

- Apply business management theories related to production and operations, organizational behavior, human resource management, and leadership throughout various functional areas of organizations.
- Communicate organizational information effectively across an organization through the use of information systems, to a broad spectrum of audiences and in a variety of business situations.
- Apply quantitative tools and information systems in business analysis and decision-making.

- Critically analyze, research and articulate organizational strengths and weaknesses in areas such as competitive advantage, operations, human resources, marketing, financial and strategic positioning.
- Make legal and ethical individual and business decisions based on legalities, evaluation of business sustainability (environmental, socio/cultural, economic, institutional) and ethical practice.
- Manage and lead to enhance the effectiveness of individuals, teams, and business organizations in a global environment.