



## New Program Report

**Date Submitted:**

05/11/2023

**Institution**

Columbia College

**Site Information**

**Implementation Date:**

8/28/2023 12:00:00 AM

**Added Site(s):**

**Selected Site(s):**

Columbia College, 1001 Rogers, Columbia, MO, 65216

**CIP Information**

**CIP Code:**

307102

**CIP Description:**

A program that prepares individuals to apply data science to solve business challenges. Includes instruction in machine learning, optimization methods, computer algorithms, probability and stochastic models, information economics, logistics, strategy, consumer behavior, marketing, and visual analytics. Examples: [Business Forecasting and Trend Spotting]

**CIP Program Title:**

Business Analytics

**Institution Program Title:**

Master of Science in Business Analytics

**Degree Level/Type**

**Degree Level:**

Master Degree

**Degree Type:**

Master of Science

**Options Added:**

Collaborative Program:

N

**Mode of Delivery**

Current Mode of Delivery

Classroom

Hybrid

Online

Student Preparation



## New Program Report

Special Admissions Procedure or Student Qualifications required:

Applicants to the MS in finance must have completed a bachelor's degree or higher in a business discipline in an accredited program with a cumulative GPA of 3.0 or better.

Specific Population Characteristics to be served:

n/a

### Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

A relevant doctoral degree would qualify faculty for a tenure-track position, rank based on experience. Current workplace experience in an associated field and/or college teaching experience are highly desired.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

Full-time faculty teach 12 credit hours or less in a given session. Adjunct faculty can teach no more than 9 credit hours in a given session, and no more than 6 in-seat credit hours a session.

Expectations for professional activities, special student contact, teaching/learning innovation:

The ideal candidate will possess experience providing effective student-centered teaching and classroom management strategies which enhance the success of diverse learners; experience with innovative teaching approaches and use of distance education technologies in teaching; and experience with curriculum development.

### Student Enrollment Projections Year One-Five

<b>Year 1</b>	<b>Full Time: 1</b>	<b>Part Time: 2</b>	
<b>Year 2</b>	<b>Full Time: 1</b>	<b>Part Time: 5</b>	
<b>Year 3</b>	<b>Full Time: 2</b>	<b>Part Time: 8</b>	<b>Number of Graduates:</b> 3
<b>Year 4</b>	<b>Full Time: 3</b>	<b>Part Time: 13</b>	
<b>Year 5</b>	<b>Full Time: 3</b>	<b>Part Time: 13</b>	<b>Number of Graduates:</b> 8

**Percentage Statement:**

n/a

### Program Accreditation

Institutional Plans for Accreditation:

N/A

### Program Structure

**Total Credits:**

36

**Residency Requirements:**

27

**General Education Total Credits:**

0

**Major Requirements Total Credits:**

36



## New Program Report

### Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
BUSI 514	3	Big Data
BUSI 515	3	Strategic Management in Business Analytics
BUSI 508	3	Managerial Analytics
BUSI 504	3	Managerial Communication
BUSI 570	3	Managerial Finance
BUSI 513	3	Spreadsheet Modeling for Analytics
BUSI 501	3	Programming for Business Analytics
BUSI 509	3	Database Management Systems for Analytics
BUSI 510	3	Managerial Economics
BUSI 506	3	Legal and Ethical Environment for Business
BUSI 512	3	Data Visualization
BUSI 502	3	Information Systems for Management

### Free Elective Credits:

0

### Internship or other Capstone Experience:

N/A

### Assurances

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

### Contact Information

First and Last Name: DUSTI  
SCHNEDLER

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# Business Analytics, M.S.

## Program Requirements

Degree requirements include common core courses and integrate foundation courses for a minimum of 36 semester hours.

## Required Graduate Courses (36 sem. hrs)

BUSI 501 Programming for Business Analytics  
[Right] **or**  
CISS 501 Programming for Business Analytics  
[After]  
BUSI 502 Information Systems for Management  
BUSI 504 Managerial Communication  
BUSI 506 Legal and Ethical Environment for Business  
BUSI 508 Managerial Analytics  
BUSI 509 Database Management Systems for Analytics  
BUSI 510 Managerial Economics  
BUSI 512 Data Visualization  
BUSI 513 Spreadsheet Modeling for Analytics  
BUSI 514 Big Data  
BUSI 515 Strategic Management in Business Analytics  
BUSI 570 Managerial Finance

**Total Semester Hours: 36**