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-Jefferson City, 3314 Emerald Lane, Jefferson City, MO, 65109

Columbia College-Kansas City, 4240 Blue Ridge Blvd., Ste 400, Kansas City, MO, 64133-1702

Columbia College-Lake Ozark, 900 College Blvd, Osage Beach, MO, 65065

Columbia College-Rolla, 550 Blue's Lake Parkway, Rolla, MO, 65401

Columbia College-Springfield, 3271 East Battlefield Road, Suite 250, Springfield, MO, 65804

Columbia College-St. Louis, 4411 Woodson Rd., St. Louis, MO, 63134

Columbia College-Waynesville, 320 Ichord Ave, Ste. A, Waynesville, MO, 65583

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:
Bachelor of Science in Business Analytics

Degree Level/Type

Degree Level:
Bachelor's Degree

Degree Type:
Bachelor of Science

Options Added:

Collaborative Program**:**
N

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Mode of Delivery

Current Mode of Delivery

Classroom

Hybrid

Online

Student Preparation

Special Admissions Procedure or Student Qualifications required:
Admission procedures and student qualifications do not exceed regular College standards

Specific Population Characteristics to be served:
Columbia College serves traditional students at the Residential Campus and specializes in adult and military education nationwide.

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:
Columbia College adheres to the credential requirements set forth by HLC for all faculty member. Columbia College requires instructors to have at least a Master's degree from a regionally accredited institution in the subject to be taught, with relevant coursework and/ or professional experience directly related to the course.

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:
Full-time faculty members are required to have 3 hours a week of office hours designated for their students. Faull-time faculty members are required to participate in professional development. Adjunct faculty members are required to provide contact information to students.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 2	Part Time: 6	
Year 2	Full Time: 3	Part Time: 12	
Year 3	Full Time: 5	Part Time: 18	Number of Graduates: 0
Year 4	Full Time: 6	Part Time: 24	
Year 1	Full Time: 2	Part Time: 6	
Year 2	Full Time: 3	Part Time: 12	
Year 3	Full Time: 5	Part Time: 18	Number of Graduates: 0
Year 4	Full Time: 6	Part Time: 24	

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Year 1	**Full Time:** 2	**Part Time:** 6	
Year 2	**Full Time:** 3	**Part Time:** 12	
Year 3	**Full Time:** 5	**Part Time:** 18	**Number of Graduates:** 0
Year 4	**Full Time:** 6	**Part Time:** 24	
Year 1	**Full Time:** 2	**Part Time:** 6	
Year 2	**Full Time:** 3	**Part Time:** 12	
Year 3	**Full Time:** 5	**Part Time:** 18	**Number of Graduates:** 0
Year 4	**Full Time:** 6	**Part Time:** 24	
Year 1	**Full Time:** 2	**Part Time:** 6	
Year 2	**Full Time:** 3	**Part Time:** 12	
Year 3	**Full Time:** 5	**Part Time:** 18	**Number of Graduates:** 0
Year 4	**Full Time:** 6	**Part Time:** 24	
Year 1	**Full Time:** 2	**Part Time:** 6	
Year 2	**Full Time:** 3	**Part Time:** 12	
Year 3	**Full Time:** 5	**Part Time:** 18	**Number of Graduates:** 0
Year 4	**Full Time:** 6	**Part Time:** 24	
Year 1	**Full Time:** 2	**Part Time:** 6	
Year 2	**Full Time:** 3	**Part Time:** 12	
Year 3	**Full Time:** 5	**Part Time:** 18	**Number of Graduates:** 0
Year 4	**Full Time:** 6	**Part Time:** 24	
Year 1	**Full Time:** 2	**Part Time:** 6	
Year 2	**Full Time:** 3	**Part Time:** 12	

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Year 3	**Full Time:** 5	**Part Time:** 18	**Number of Graduates:** 0
Year 4	**Full Time:** 6	**Part Time:** 24	
Year 5	**Full Time:** 8	**Part Time:** 30	**Number of Graduates:** 3

Percentage Statement:
n/a

Program Accreditation

Institutional Plans for Accreditation:
n/a

Program Structure

Total Credits:
120

Residency Requirements:
30

General Education Total Credits:
42

Major Requirements Total Credits:
45

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
MGMT 254W	3	Business Communication
MGMT 230	3	Principles of Management
ECON 294	3	Microeconomics
MGMT 338	3	International Business
MGMT 479	3	Strategic Management
MGMT 393	3	Business Information Systems
ACCT 281	3	Accounting II (Managerial)
FINC 350	3	Business Finance
ECON 293	3	Macroeconomics
ACCT 278	3	Introductory Business Analytics
MATH 250	3	Statistics I
MGMT 368W	3	Business Ethics
MGMT 265	3	Business Law I
ACCT 280	3	Accounting I (Financial)

Free Elective Credits:
6

Internship or other Capstone Experience:
n/a

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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

Email: dschnedler@ccis.edu

Phone: 573-875-3960

Business Analytics, B.S.

General Education Requirements (39-42 sem. hrs)

For a complete list of general education courses click here. For additional information on general education requirements click here.

Ethics Course Requirement (3 sem. hrs.)

MGMT 368W Business Ethics
[Right]   (this option also fulfills core requirement) **or**
PHIL 330 Ethics

Core Requirements (45 sem. hrs)

All courses must be completed with a grade of C or higher. Courses in the major cannot be taken as pass/fail.

ACCT 278 Introductory Business Analytics
[Right]   **or**
MGMT 278 Introductory Business Analytics
[After]
ACCT 280 Accounting I (Financial)
ACCT 281 Accounting II (Managerial)
ECON 293 Macroeconomics
ECON 294 Microeconomics
FINC 350 Business Finance
[After]
MATH 250 Statistics I
[After]   **or**
BIOL 224 Statistics for the Behavioral and Natural Sciences
[After]   **or**
PSYC 224 Statistics for the Behavioral and Natural Sciences
[Right]   **or**
SOCI 224 Statistics for the Behavioral and Natural Sciences
[After]
MGMT 230 Principles of Management
MGMT 254W Business Communication
MGMT 265 Business Law I
MGMT 338 International Business
MGMT 368W Business Ethics
MGMT 393 Business Information Systems
MGMT 479 Strategic Management

MKTG 210 Principles of Marketing

Analytics Major (27 sem. hrs)

All courses must be completed with a grade of C or higher. Courses in the major cannot be taken pass/fail.

Required Courses (21 sem. hrs)

CISS 145 Introduction to Python Programming
CISS 202 Introduction to Databases
CISS 397 Business Data Analytics
MGMT 331 Data Visualization for Business Analytics
MGMT 374 Spreadsheet Modeling and Decision Analysis
MGMT 431 Power Business Intelligence
MGMT 475 Strategic Decision-Making Using Analytics

Electives (6 sem. hrs)

Choose two courses from the following:

MGMT 321 Human Resources Analytics
MGMT 334 Supply Chain Management Analytics and Modeling
MGMT 335 Introduction to Sports Analytics
MGMT 385 Business Project Management
MKTG 441 Marketing Research and Analytics

Free Electives (6 sem. hrs)

Total: 120 (sem. hrs)