BUSINESS ANALYTIC METHODS - GRADUATE CERTIFICATE

The business analytic methods certificate courses comprise the foundational topics in a business analytics curriculum, providing business analytics training for mid-career professionals in a number of roles, including human resources, pricing, optimization, procurement, finance, real estate and acquisition.

Designed for nondegree students including working professionals, our online graduate certificates allow students to enroll part-time and advance at their own pace. Following the same curriculum provided to students on campus, online certificate students participate in coursework both synchronously (scheduled delivery time) and asynchronously (no scheduled delivery time). As students progress through the certificate, they have the option to become graduate degree-seeking, applying their certificate coursework toward a formal MS business analytics degree.

Requirements

Admission Requirements

To be considered for the graduate certificate, applicants must possess an undergraduate degree. Leeds graduate students can apply through the Leeds online application (https://leeds.apply.colorado.edu/apply/).

Applicants must provide:

- Statement of purpose (1–2 pages) explaining how the business analytic methods graduate certificate will further their professional and/or personal interests
- Formal transcript from an accredited institution of higher education showing proof of completion of an undergraduate degree
- Current resume
- One letter of recommendation

Course Requirements

Business analytic methods certificate courses include the courses listed below. All courses must be passed with a B grade or better to count towards the certificate.

Code	Title	Credit Hours
MSBX 5410	Fundamentals of Data Analytics	3
MSBX 5405	Structured Data Modeling and Analysis	3
MSBX 5415	Advanced Data Analytics	3
MSBX 5420	Unstructured and Distributed Data Modeling and Analysis	3
Total Credit Hours		**12**

Learning Outcomes

By the completion of the program, students will be able to:

- Understand the principles and techniques of data management, exploration and visualization.
- Demonstrate proficiency in analytics software.
- Integrate considerations of DEI, ethics and social responsibility into analytics projects.
- Interpret and present the results of various predictive modeling techniques.
- Utilize business analytics methods to solve real-world problems.