

MBA/MS STEM

Dual Degree

Expand your career options with a combined MBA and MS degree. This program will provide you with a set of business tools to develop leadership, critical thinking and communications skills as well as a specialization in one of the STEM-designated areas of either Business Analytics or Supply Chain Management. The MBA/MS offers you the opportunity to earn both degrees together in less time than if the degrees were earned sequentially.

The candidate who completes this dual degree will be able to enter the technical world with management skills that may lead to more opportunities and better initial offers.

Description of Curriculum

- Dual degree students will enroll in 37 hours of the following MBA courses during the first year in the program:

| | | |
|--|--|--|
| Pre-Term 3 Credits | August Orientation MBAC 6031: Quantitative Methods MBAC 6001: Foundations of Teamwork | |
| Fall Semester 17.5 Credits | August-December MBAC 6002: Social, Moral, and Economic Foundations of Business MBAC 6081: Data and Decisions MBAC 6098: Professional Development | |
| | A Mod (8 weeks) MBAC 6020: Financial Accounting MBAC 6011: Managerial Economics I | B Mod (8 weeks) MBAC 6060: Corporate Finance MBAC 6090: Marketing Management |
| Spring Semester 16.5 Credits | January - May Electives (6 credits) MBAC 6051: Operations Management | |
| | A Mod (8 weeks) MBAC 6050: Strategy MBAC 6012: Managerial Economics II | B Mod (8 weeks) MBAC 6096: Managerial Communications MBAC 6003: Foundations of Leadership |

- The second year program must be chosen at the time of application and can be either the MS in Business Analytics or the MS in Supply Chain Management.

Graduation Requirements

- Dual degree students will be required to complete 37 hours of MBA coursework and 33 hours of MS STEM coursework, for a total of 70 hours between both programs.
- Both degrees must be awarded simultaneously.
- Dual degree students must maintain the academic and ethical standards required of both programs.
- Students who do not wish to complete the MBA program requirements (i.e., who withdraw for any reason) will be required to re-apply to attend either MS program.
- Students who do not wish to complete the second year as an MS student, may opt to complete the traditional MBA but must notify their advisor before the course finals in the second semester.

Admissions Process

Students must apply to both programs in one application.

- Prepare for and take the GMAT or GRE if you have not yet taken it.
- Complete the on-line application at leeds.apply.colorado.edu/apply. This will include:
 - Response to an essay question
 - A professional resume
 - Unofficial Transcripts
 - Two professional (not academic) recommendations.

For more information, contact:

Andrea Young
Assistant Director
Leeds Graduate Programs
andrea.young@colorado.edu
(303) 492-8712

MBA/MS STEM

Dual Degree

Year Two Options

MS STEM Courses – Business Analytics

| Semester | Core Business Analytics | |
|-----------------------------|---|-----------|
| Summer B (6 credits) | MSBC 5070 Survey of Business Analytics | 3 |
| | MSBX 5410 Fundamentals of Data Analytics | 3 |
| Fall (12 Credits) | MSBC 5180 Machine Learning in Python | 3 |
| | MSBX 5405 Structured Data Modeling & Analysis | 3 |
| | MSBX 5415 Advanced Data Analytics | 3 |
| | 1 Track-Specific Elective | 3 |
| Spring (15 Credits) | MSBX 5190 Modern Artificial Intelligence | 3 |
| | MSBX 5420 Unstructured & Distributed Data Modeling & Analysis | 3 |
| | MSBC 5490 Experiential Projects Class | 3 |
| | 2 Track-Specific Electives | 6 |
| | Total Credits | 33 |

MS STEM Courses – Supply Chain Management

| Semester | Courses | |
|-----------------------------|---|--|
| Summer B (6 credits) | MSBC 5460 Supply Chain Strategy | 3 |
| | MSBX 5410 Fundamentals of Data Analytics | 3 |
| Fall (12 Credits) | MSBC 5415 Advanced Data Analytics | 3 |
| | MSBX 5405 Structured Data Modeling and Analysis | 3 |
| | MSBX 5450 Transportation and Logistics | 3 |
| | MSBX 5470 Procurement and Contracting | 3 |
| Spring (12 Credits) | MBAX 6450 International Operations Management | 3 |
| | MBAX 6843 Supply Chain and Operations Analytics | 3 |
| | MSBX 5435 Planning and Production | 3 |
| | MSBC 5480 Experiential Projects Class | 3 |
| | Spring Elective (3 Credits) | One elective to be completed in either fall or spring semester |
| Total Credits | 33 | |

Track-Specific Electives

| | |
|------------------------------------|--|
| Advertising & Marketing | MBAX 6330 Market Intelligence APRD 6342 Digital Advertising (Spring) MSBX 5310 Customer Analytics |
| Decision Sciences | MSBC 5680 Optimization Modeling MATH/STAT 5540 Introduction to Time Series (Spring) MBAX 6410 Process Analytics (Spring) |
| Security Analytics | MSBX 5480 Information Security Management (Fall) CYBR 5010 Fundamentals of Data Communication (Fall) MSBX 5500 Security Analytics with Python (Spring) |

Supply Chain Electives*

| |
|---|
| MBAX 6450 International Operations Management MBAX 6440 Project Management MBAX 6530 Negotiations & Conflict Management |
| MBAX 6410 Process Analytics MSBX 5310 Customer Analytics MSBX 5420 Unstructured Data Modeling & Analysis |
| <i>*Note: This list is subject to change</i> |