

# MBA/MS STEM

## Dual Degree

An MBA degree in combination with the MS degree 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 and can expand your career options. 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 already in place, leading to more opportunities and possibly better initial offers.

## Description of Curriculum

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

<b>Pre-Term</b> 4 Credits	<b>August</b> Orientation/MBAC 6099 Professional Development MBAC 6031: Quantitative Methods MBAC 6001: Foundations of Teamwork	
<b>Fall Semester</b> 16.5 Credits	<b>August-December</b> MBAC 6002: Social, Moral, and Economic Foundations of Business MBAC 6081: Data and Decisions	
	<b>A Mod (8 weeks)</b> MBAC 6020: Financial Accounting MBAC 6011: Managerial Economics I MBAC 6099: Professional Development	<b>B Mod (8 weeks)</b> MBAC 6060: Corporate Finance MBAC 6090: Marketing Management
<b>Spring Semester</b> 16.5 Credits	<b>January - May</b> Electives (6 credits)	
	<b>A Mod (8 weeks)</b> MBAC 6050: Strategy MBAC 6012: Managerial Economics II MBAC 6096: Managerial Communications	<b>B Mod (8 weeks)</b> MBAC 6051: Operations Management MBAC 6003: Leadership

2. 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

1. 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 in both programs.
2. Both degrees must be awarded simultaneously.
3. Dual degree students must maintain the academic and ethical standards required of both programs.
4. 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 the MS program which they chose.
5. 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.

## MBA Admissions Process

Students who are already enrolled in the graduate program in Computer Science and plan to apply for this dual degree opportunity, will need to start their preparations during the first year of graduate study.

- 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](https://leeds.apply.colorado.edu/apply). This will include:
  - Responses to several essay questions
  - A professional resume
  - Two professional (not academic) recommendations.

**For more information, contact:**

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## Year Two Options

### MS STEM Courses – Business Analytics

### MS STEM Courses Supply Chain Management

Semester	Core Business Analytics		Semester	Courses	
<b>Summer B (6 credits)</b>	MSBC 5070 Survey of Business Analytics	3	<b>Summer B (6 credits)</b>	MSBC 5460 Supply Chain Strategy	3
	MSBX 5410 Fundamentals of Data Analytics	3		MSBX 5410 Fundamentals of Data Analytics	3
<b>Fall (12 Credits)</b>	MSBC 5030 Quantitative Methods	3		<b>Fall (12 or 15 Credits)</b>	MSBC 5030 Quantitative Methods
	MSBX 5405 Structured Data Modeling & Analysis	3	MSBX 5405 Structured Data Modeling and Analysis		3
	2 Track-Specific Electives	6	MSBX 5450 Transportation and Logistics		3
			MSBX 5470 Procurement and Contracting		3
<b>Spring (15 Credits)</b>	MSBX 5415 Advanced Data Analytics	3	<b>Spring (12 or 15 Credits)</b>	MBAX 6450 International Operations Management	3
	MSBX 5420 Unstructured & Distributed Data Modeling & Analysis	3		MBAX 6843 Supply Chain and Operations Analytics	3
	MSBC 5490 Experiential Projects Class	3		MSBX 5435 Planning and Production	3
	2 Track-Specific Electives	6		MSBC 5480 Experiential Projects Class	3
<b>Total Credits</b>	<b>33</b>		<b>Fall/Spring Elective</b>	One elective to be completed in either fall or spring semester	3
			<b>Total Credits</b>	<b>33</b>	
<b>Track-Specific Electives</b>			<b>Supply Chain Electives</b>		
<b>Advertising &amp; Marketing</b>	MBAX 6330 Market Intelligence APRD 6342 Digital Advertising (Fall) MSBX 5310 Customer Analytics APRD 6343 Applications of Advanced Statistics in Advertising (Spring)		MBAX 6450 International Operations Management MBAX 6440 Project Management MBAX 6530 Negotiations & Conflict Management MSBX 5415 Advanced Data Analytics MBAX 6330 Market Intelligence		
<b>Decision Sciences</b>	MSBC 5680 Decision Modeling APPM 5720 Numerical Linear Algebra  MATH/STAT 5540 Introduction to Time Series (Spring) MBAX 6410 Process Analytics (Spring)		MBAX 6802 Pricing Strategy & Tactics MBAX 6850 Digital Marketing MSBX 5310 Customer Analytics MSBX 5420 Unstructured Data Modeling & Analysis		
<b>Security Analytics</b>	MSBX 5480 Information Security Management (Fall) CYBR 5010 Fundamentals of Data Communication (Fall) TLEN 5540 Network Security Lab (Spring) MSBX 5500 Security Analytics with Python (Spring)		<i>Note: This list is subject to change</i>		