

BACHELOR OF SCIENCE – DATA ANALYTICS

BUSINESS ADMINISTRATION MINOR

2022 - 2023

Foundations for Success ¹			5 courses
	FDS100	Falcon Discovery Seminar	3 cr.
	CS100	Solving Business Problems with Information Technology	3 cr.
	MA 105, 105L or 107, 107L, 131, 131L	Mathematical Sciences	3 cr.
	EMS 101, 101L or 102, 102L	Critical Reading and Writing	3 cr.
	EMS104 or EMS105	Multimodal Communication	3 cr.

MAJOR: Data Analytics ^{1,2}			9 courses
	MA139 or MA139L	Calculus II	3 cr.
	MA214	Intermediate Applied Statistic	3 cr.
	MA252	Regression Analysis	3 cr.
	CS230	Intro. to Programming with Python	3 cr.
	CS350	Database Management Systems	3 cr.
	MA346	Data Science	3 cr.
	MA347	Data Mining	3 cr.
	MA380	Intro. to Generalized Linear Models and Survival Analysis in Business	3 cr.
	MA255	Design of Experiments	3 cr.

Business Dynamics ¹			6 courses
	LA100	Business Law ^{+, ^}	3 cr.
	EC111	Principles of Microeconomics ^{+, ^}	3 cr.
	ST113	Business Statistics [^]	3 cr.
	AC115	Financial Reporting and Analysis ^{+, ^}	3 cr.
	MG116	Human Dynamics in Organizations ^{+, ^}	3 cr.
	FI118	Introduction to Finance ^{+, ^}	3 cr.

The Business Environment		
No Requirements		

Context & Perspectives ¹			6 courses
<i>See notes on page two</i>			
Institutions and Power			
			3 cr.
Values, Ethics and Society			
			3 cr.
Scientific Inquiry			
			3 cr.
Race, Gender and Inequality			
			3 cr.
Culture, Change, and Behavior			
			3 cr.
Globalization			
			3 cr.

Elective Requirements ³			14 courses
		Unrestricted Elective	3 cr.
		Unrestricted Elective	3 cr.
		Unrestricted Elective	3 cr.
		Unrestricted Elective	3 cr.
		Unrestricted Elective	3 cr.
		Unrestricted Elective	3 cr.
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		Unrestricted Elective	3 cr.
		Unrestricted Elective	3 cr.
		Unrestricted Elective	3 cr.
		Unrestricted Elective	3 cr.

Intensive Requirements		
	Communication	
	Communication in Major	MA252

Notes:

For the most up-to-date requirements, please refer to your Degreeworks Audit.

Pre- and Corequisite structure:

MA139 or MA139L	MA131 or MA131L
MA214	ST113
MA252	MA139 or MA139L (MA252 may not be taken by students who completed EC282)
CS230	CS100
CS350	CS150 or CS160 (AC340 for AIS or ISAC majors & MA346 for Data Analytics major or Data Technology minors)
MA346	ST113 & CS230
MA347	MA252
MA255	MA214 & MA139 or MA139L

Footnotes:

¹ These courses may not be taken as Pass/Fail.

² Students are urged to meet with the faculty mentor for the major on a regular basis before registering for their math requirements.

³ The Elective guidelines is available on the Registrar's website.

Additional Notes:

<p>Context & Perspectives</p> <p>Students must take 1 course in each of the 6 themes of Context and Perspectives. Courses are unique to each theme; no course can satisfy more than one theme.</p> <p>Courses must be taken in at least 3 different departments (ex. PH, EMS, HI). This means that students can do a maximum of two courses in one department.</p> <p>Any number of courses can be shared with majors or minors, but a single course cannot count for both a major and a minor. Additionally, a single course may not count in more than one minor.</p> <p>Courses that satisfy the Contexts & Perspective requirements may not satisfy any of the required Arts and Science electives.</p> <p>Context and Perspective courses may count for the Modern Language requirement for BA majors</p> <p>Context and Perspective courses may not count for Arts and Science or Unrestricted electives for both BA and BS majors.</p>
<p>Course Sharing Rules</p> <p>Up to three courses may be shared across different majors</p> <p>No courses may be shared between any major and any minor.</p> <p>No courses may be shared between any minors.</p> <p>A single course of any kind can be shared up to three times:</p> <p>Example 1: If a student has three majors, a single course can count for all three majors.</p> <p>Example 2: If a student has two majors, a single course could count for a Context & Perspectives course and both majors.</p>

* These courses comprise the Business Administration Minor.

^ These courses along with the following courses: EC112, AC215, MG215, MK250, IPM300, MG300, and MG313 are required to complete the Business Administration Major.