Jon M. Huntsman School of Business
Data Analytics
(Effective Fall 2022)

Business Acumen:

	Course		Title
_____	ACCT 2010	(3 cr.)	Financial Accounting Principles
_____	ACCT 2020	(3 cr.)	Managerial Accounting Principles
_____	ECN 1500	(3 cr.)	Intro to Econ Institutions, History & Principles (BAI)
_____	ECN 2010	(3 cr.)	Introduction to Microeconomics (BSS)
_____	FIN 3200	(3 cr.)	Fundamentals of Finance I
_____	FIN 3300	(3 cr.)	Fundamentals of Finance II
_____	MGT 3350	(3 cr.)	Legal and Ethical Environment of Business
_____	MGT 3050	(3 cr.)	Foundations of Business: Capitalism, Markets, and Innovation
_____	MGT 3700	(2 cr.)	Operations Management
_____	MSLE 3500	(3 cr.)	Fundamentals of Marketing
_____	MSLE 3800	(2 cr.)	Leadership
_____	MSLE 3890	(2 cr.)	Systems Strategy and Problem Solving
_____	BUS 3200	(3 cr.)	Business Communication (CI)
_____	DATA 1100^	(1 cr.)	Excel for Business Analysis
_____	DATA 2100^	(3 cr.)	Data and Information in Business
_____	DATA 3100	(3 cr.)	Making Decisions with Data
_____	DATA 3300	(3 cr.)	Introduction to Modern Data Analytics (QI)

*C or better required in all Business Acumen courses.
^DATA 1100 and DATA 2100 are co-requisite courses.

- Students must be formally admitted to the Jon M. Huntsman School of Business.

- Huntsman School of Business courses are limited to one repeat.

- A 2.50 GPA in core and major courses is required for graduation.

- For semester availability and prerequisites, see the USU general catalog http://catalog.usu.edu/ .

- All Utah State University graduation requirements must be met. Check USU catalog for more information regarding requirements.

- It is strongly recommended that graduation applications be completed two semesters prior to graduation. http://www.usu.edu/registrar/htm/graduation.

Data Analytics Major Core Requirements:

	Course	Title	
_____	DATA 3330	Database Management	(3 cr.)
_____	DATA 3400	Data Visualization with Tableau (CI)	(2 cr.)
_____	DATA 3500	Introduction to Python Programming	(3 cr.)
_____	DATA 4330	Advanced Database and Database Analytics	(3 cr.)
_____	DATA 5400	Visual Data Analytics	(3 cr.)
_____	DATA 5500	Advanced Python Programming for Analytics	(3 cr.)
_____	DATA 5600	Introduction to Regression and Machine Learning for Analytics	(3 cr.)
_____	DATA 5610	Advanced Machine Learning for Analytics	(3 cr.)
_____	MATH 1210	Calculus I	(4 cr.)
_____	MATH 2270	Linear Algebra	(3 cr.)

Data Analytics Description

Data analysts and data scientists are in heavy demand by companies who need to make strategic decisions in an increasingly data-driven world. In the Data Analytics program, students gain hands-on experience applying the latest data technologies and sophisticated analytical methods, with rigorous courses in computer programming, machine learning and artificial intelligence, data engineering, visualization, and data mining. The Data Analytics experience includes real-world problem-solving across all functions of an organization, including strategy, sales and marketing, accounting, finance, human resources, and operations.

Revised 4/4/2022

UNIVERSITY STUDIES CHECKLIST
FOR STUDENTS WITH A MAJOR IN THE SOCIAL SCIENCES
GENERAL EDUCATION (34-37 CREDITS)

COMPETENCY REQUIREMENTS (7-13 CREDITS)

Communications Literacy (6 credits)
        CL1 □ ENGL 1010 or □ AP English or □ ACT English ≥ 29 or □ CLEP (3)
        CL2 □ ENGL 2010* (3)
            This course must be completed with a C grade or higher.

Quantitative Literacy (3-4 credits)
        □ MATH 1050* (4) or □ AP Calculus or □ ACT MATH ≥ 26 or □ CLEP
          or one MATH or STATS course requiring MATH 1050 as a prerequisite.

BREADTH REQUIREMENTS (18 TO 20 CREDITS)
    Select at least one approved course from each of the following six categories. (A maximum of 4 CLEP or AP areas may be used.)
    Approved courses can be found in the USU online catalog.

Category		USU Course			Approved Course			AP
American Institutions	□	USU 1300	or	□	Approved Course ___ECN 1500___	or	□	AP
Creative Arts	□	USU 1330	or	□	Approved Course_____	or	□	AP
Humanities	□	USU 1320	or	□	Approved Course_____	or	□	AP
Life Sciences	□	USU 1350	or	□	Approved Course_____	or	□	AP
Physical Science	□	USU 1360	or	□	Approved Course_____	or	□	AP
Social Science	□	USU 1340	or	□	Approved Course___ECN 2010___	or	□	AP
Integrated Studies				□	Approved Course_____			

DEPTH REQUIREMENTS (5 COURSES)

Required Depth Courses (Two courses outside discipline)
        □ 3000+ Level Life and Physical Sciences (DSC) Approved Course   _____
        □ 3000+ Level Humanities and Creative Arts (DHA) Approved Course   _____

Communications Intensive (Two courses, one of which is part of major requirements)
        □ BUS 3200   Business Communication
        □ DATA 3400   Data Visualization with Tableau
Quantitative Intensive (One course which is part of major)
        □ DATA 3300   Intro to Modern Data Analytics

UPPER-DIVISION CREDITS
    Completion of a minimum of 40 credits numbered 3000 or above.