

Jon M. Huntsman School of Business
Data Analytics (Effective Fall 2024)

<p>Business Acumen:</p> <p>_____ ACCT 2010 (3 cr.) Financial Accounting Principles</p> <p>_____ ACCT 2020 (3 cr.) Managerial Accounting Principles</p> <p>_____ ECN 1500 (3 cr.) Intro to Econ Institutions, History & Principles (BAI)</p> <p>_____ ECN 2010 (3 cr.) Introduction to Microeconomics (BSS)</p> <p>_____ FIN 3200 (3 cr.) Fundamentals of Finance I (QI)</p> <p>_____ FIN 3300 (3 cr.) Fundamentals of Finance II</p> <p>_____ MGT 3350 (3 cr.) Legal and Ethical Environment of Business</p> <p>_____ MGT 3050 (3 cr.) Foundations of Business: Capitalism, Markets, and Innovation</p> <p>_____ MGT 3700 (3 cr.) Operations Management</p> <p>_____ MSLE 3500 (3 cr.) Fundamentals of Marketing</p> <p>_____ MSLE 3800 (2 cr.) Leadership</p> <p>_____ MSLE 3890 (2 cr.) Systems Strategy and Problem Solving</p> <p>_____ BUS 3200 (3 cr.) Business Communication (CI)</p> <p>_____ DATA 1100[^] (1 cr.) Excel for Business Analysis</p> <p>_____ DATA 2100[^] (3 cr.) Data and Information in Business</p> <p>_____ DATA 3100 (3 cr.) Making Decisions with Data</p> <p>_____ DATA 3300 (3 cr.) Introduction to Modern Data Analytics (QI)</p> <ul style="list-style-type: none"> • C or better required in all Business Acumen courses. <p>[^]DATA 1100 and DATA 2100 are co-requisite courses.</p>	<ul style="list-style-type: none"> • 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/hm/graduation. • Students who have not attended any school beyond high school and have a declared major in the Huntsman School of Business are expected to enroll in BUS 1000 during their first year at USU
<p>Data Analytics Major Core Requirements:</p> <p>_____ DATA 3330 Database Management (3 cr.)</p> <p>_____ DATA 3400 Data Visualization with Tableau (CI) (3 cr.)</p> <p>_____ DATA 3500 Introduction to Python Programming (3 cr.)</p> <p>_____ DATA 5500 Advanced Python Programming for Analytics (3 cr.)</p> <p>_____ DATA 5600 Introduction to Regression and Machine Learning for Analytics (3 cr.)</p> <p>_____ DATA 5610 Advanced Machine Learning for Analytics (3 cr.)</p> <p>_____ MATH 1210 Calculus I (4 cr.)</p> <p>_____ MATH 2270 Linear Algebra (3 cr.)</p> <p>_____ Elective **Choose Two: DATA 5330, DATA 5360, DATA 5400, DATA 5420, DATA 5480, DATA 5570, DATA 5630, DATA 5690, or DATA 5695 (3 cr.)</p> <p>_____ Elective (3 cr.)</p> <p>**Some courses might not be offered Statewide</p> <p>Revised 4/19/24</p>	<p>Data Analytics Description</p> <p>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.</p>

**UNIVERSITY STUDIES CHECKLIST
FOR STUDENTS WITH A MAJOR IN THE SOCIAL SCIENCES
GENERAL EDUCATION**

COMPETENCY REQUIREMENTS

Communications Literacy (6 credits)

CL1 ENGL 1010 (3) or AP English or ACT English \geq 29 or CLEP

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 \geq 26 or CLEP

**or one MATH or STATS course requiring MATH 1050 as a prerequisite.*

BREADTH REQUIREMENTS (21 credits)

Select at least one approved course from each of the following six categories

Approved courses can be found in the USU online catalog.

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|-----------------------|--------------------------|----------|----|--------------------------|-----------------|------------------------------|----|--------------------------|----|
| American Institutions | <input type="checkbox"/> | USU 1300 | or | <input type="checkbox"/> | Approved Course | <u>ECN 1500</u> | or | <input type="checkbox"/> | AP |
| Creative Arts | <input type="checkbox"/> | USU 1330 | or | <input type="checkbox"/> | Approved Course | _____ | or | <input type="checkbox"/> | AP |
| Humanities | <input type="checkbox"/> | USU 1320 | or | <input type="checkbox"/> | Approved Course | _____ | or | <input type="checkbox"/> | AP |
| Life Sciences | <input type="checkbox"/> | USU 1350 | or | <input type="checkbox"/> | Approved Course | _____ | or | <input type="checkbox"/> | AP |
| Physical Science | <input type="checkbox"/> | USU 1360 | or | <input type="checkbox"/> | Approved Course | _____ | or | <input type="checkbox"/> | AP |
| Social Science | <input type="checkbox"/> | USU 1340 | or | <input type="checkbox"/> | Approved Course | <u>ECN 2010</u> | or | <input type="checkbox"/> | AP |
| Integrated Studies | | | | <input type="checkbox"/> | Approved Course | <u>FIN 3200 or DATA 3300</u> | or | <input type="checkbox"/> | AP |

DEPTH REQUIREMENTS (14-15 credits)

Required Depth Courses (Two courses outside of major)

3000+ Level Life and Physical Sciences (DSC) Approved Course _____

3000+ Level Humanities and Creative Arts (DHA) Approved Course _____

Communications Intensive (Two courses, which are part of major)

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 or FIN 3200- Fundamentals of Finance I

(one of these courses will satisfy the QI and one will satisfy the Breadth Integrated Studies)

UPPER-DIVISION CREDITS

Completion of a minimum of 40 credits numbered 3000 or above.