

Jon M. Huntsman School of Business
Information Systems
(Effective Fall 2021)

<p>Business Acumen:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">_____</td><td style="width: 15%;">ACCT 2010</td><td style="width: 10%;">(3 cr.)</td><td>Financial Accounting Principles</td></tr> <tr><td>_____</td><td>ACCT 2020</td><td>(3 cr.)</td><td>Managerial Accounting Principles</td></tr> <tr><td>_____</td><td>ECN 1500</td><td>(3 cr.)</td><td>Intro to Econ Institutions, History & Principles (BAI)</td></tr> <tr><td>_____</td><td>ECN 2010</td><td>(3 cr.)</td><td>Introduction to Microeconomics (BSS)</td></tr> <tr><td>_____</td><td>FIN 3200</td><td>(3 cr.)</td><td>Financial Management</td></tr> <tr><td>_____</td><td>FIN 3400</td><td>(3 cr.)</td><td>Corporate Finance (QI)</td></tr> <tr><td>_____</td><td>MGT 2050</td><td>(3 cr.)</td><td>Legal and Ethical Environment of Business</td></tr> <tr><td>_____</td><td>MGT 3050</td><td>(3 cr.)</td><td>Foundations of Business: Capitalism, Markets, and Innovation</td></tr> <tr><td>_____</td><td>MGT 3700</td><td>(2 cr.)</td><td>Operations Management</td></tr> <tr><td>_____</td><td>MSLE 3500</td><td>(3 cr.)</td><td>Fundamentals of Marketing</td></tr> <tr><td>_____</td><td>MSLE 3800</td><td>(2 cr.)</td><td>Leadership</td></tr> <tr><td>_____</td><td>MSLE 3890</td><td>(2 cr.)</td><td>Systems Strategy and Problem Solving</td></tr> <tr><td>_____</td><td>BUS 3200</td><td>(3 cr.)</td><td>Business Communication (CI)</td></tr> <tr><td>_____</td><td>DATA 1100[^]</td><td>(1 cr.)</td><td>Excel for Business Analysis</td></tr> <tr><td>_____</td><td>DATA 2100[^]</td><td>(3 cr.)</td><td>Data and Information in Business</td></tr> <tr><td>_____</td><td>DATA 3100</td><td>(3 cr.)</td><td>Making Decisions with Data</td></tr> <tr><td>_____</td><td>DATA 3300</td><td>(3 cr.)</td><td>Introduction to Modern Data Analytics (QI)</td></tr> </table> <p><small>*C or better required in all Business Acumen courses. [^]DATA 1100 and DATA 2100 are co-requisite courses.</small></p>	_____	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.)	Financial Management	_____	FIN 3400	(3 cr.)	Corporate Finance (QI)	_____	MGT 2050	(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)	<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.
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<p>IS Major Core Requirements:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">_____</td><td style="width: 15%;">DATA 3330</td><td style="width: 10%;">Database Management</td><td style="width: 10%;">(3 cr)</td></tr> <tr><td>_____</td><td>DATA 3400</td><td>Data Visualization with Tableau</td><td>(2 cr)</td></tr> <tr><td>_____</td><td>DATA 3500</td><td>Introduction to Python Programming</td><td>(3 cr)</td></tr> <tr><td>_____</td><td>IS 4250</td><td>Data Analytics and Information Systems Internship</td><td>(3 cr)</td></tr> </table> <p>IS Major Emphasis: <i>Students must select one or more of the following emphasis areas</i></p> <ul style="list-style-type: none"> Web Development Data Engineering Cyber Security 	_____	DATA 3330	Database Management	(3 cr)	_____	DATA 3400	Data Visualization with Tableau	(2 cr)	_____	DATA 3500	Introduction to Python Programming	(3 cr)	_____	IS 4250	Data Analytics and Information Systems Internship	(3 cr)	<p>Web Development:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">_____</td><td style="width: 15%;">IS 3450</td><td style="width: 10%;">Designing GUI for Electronic Commerce</td><td style="width: 10%;">(3 cr)</td></tr> <tr><td>_____</td><td>IS 5050</td><td>Advanced Web-Based MIS Development</td><td>(3 cr)</td></tr> <tr><td>_____</td><td>IS 5700</td><td>Internet Management & Electronic Commerce</td><td>(3 cr)</td></tr> </table> <p>Data Engineering:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">_____</td><td style="width: 15%;">DATA 4330</td><td style="width: 10%;">Advanced Database & Database Analytics</td><td style="width: 10%;">(3 cr)</td></tr> <tr><td>_____</td><td>DATA 5400</td><td>Visual Data Analytics</td><td>(3 cr)</td></tr> <tr><td>_____</td><td>DATA 5500</td><td>Advanced Python Programing for Analytics</td><td>(3 cr)</td></tr> </table> <p>Cybersecurity:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">_____</td><td style="width: 15%;">IS 3800</td><td style="width: 10%;">IT Infrastructure</td><td style="width: 10%;">(3 cr)</td></tr> <tr><td>_____</td><td>IS 4800</td><td>Security of Business Information Systems</td><td>(3 cr)</td></tr> <tr><td>_____</td><td>DATA 5300</td><td>Advanced Data Communications</td><td>(3 cr)</td></tr> </table>	_____	IS 3450	Designing GUI for Electronic Commerce	(3 cr)	_____	IS 5050	Advanced Web-Based MIS Development	(3 cr)	_____	IS 5700	Internet Management & Electronic Commerce	(3 cr)	_____	DATA 4330	Advanced Database & Database Analytics	(3 cr)	_____	DATA 5400	Visual Data Analytics	(3 cr)	_____	DATA 5500	Advanced Python Programing for Analytics	(3 cr)	_____	IS 3800	IT Infrastructure	(3 cr)	_____	IS 4800	Security of Business Information Systems	(3 cr)	_____	DATA 5300	Advanced Data Communications	(3 cr)	<p>Web Development Emphasis: prepares students to design, develop, and deploy web applications through coursework in web interface design (HTML/CSS/JavaScript), advanced server-side application development, API development, and e-commerce strategy. Web development ranks among the most highly demanded information systems skills, as a web presence is essential for virtually all companies.</p> <p>Data Engineering Emphasis: develops the skills in programming, database management, and data mining that employers need to support their analytics objectives. Opportunities in Data Engineering are expanding rapidly as companies increasingly rely on data analytics and data science to inform strategy. Data Engineers create organizational and industry-wide access to clean, reliable data at scale with sound data infrastructure and architecture.</p> <p>Cybersecurity Emphasis: this emphasis provides hands-on knowledge in programming, information security, network security, design, and architecture, enterprise security, and physical security. Includes hands-on applications with Linux, hacking, and other skills for securing business.</p>															
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<p>Revised 4.23.2021</p>																																																																					

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 \geq 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 \geq 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.

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

Quantitative Intensive (One course which is part of major)

FIN 3400 Corporate Finance

UPPER-DIVISION CREDITS

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