

Jon M. Huntsman School of Business
Information Systems (Effective Fall 2024)

Business Acumen:

_____ **BUS 1000** 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

_____	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 (QI)
_____	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	(3 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/html/graduation>
- Some classes may not be offered Statewide

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.

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.

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.

IS Major Core Requirements:

_____	DATA 3330	Database Management	(3 cr)
_____	DATA 3400	Data Visualization with Tableau (CI)	(3 cr)
_____	DATA 3500	Introduction to Python Programming	(3 cr)
_____	IS 3600	Into to Cloud Computing	(3 cr)
_____	IS 4250	DAIS Internship	(3 cr)

IS Major Emphasis (REQUIRED): *Students must select one or more of the following emphasis areas*

- Web Development
- Data Engineering
- Cybersecurity

Web Development:

_____	IS 3700	UI/UX Experience Web Design	(3 cr)
_____	IS 5700	Client-Side Web Dev.	(3 cr)
_____	IS 5750	Server-Side Web Dev.	(3 cr)
_____	DATA 5500	Advanced Python	(3 cr)
_____	Elective	**Choose 3000 level or above DATA or IS class	(3 cr)

Data Engineering:

_____	DATA 5330	Data Pipeline Engineering	(3 cr)
_____	DATA 5360	Data Warehousing	(3 cr)
_____	DATA 5500	Advanced Python	(3 cr)
_____	Elective	**Choose Two: IS 3700, IS 5750, DATA 4330, DATA 5570	(3 cr)
_____	Elective		(3 cr)

Cybersecurity:

_____	IS 3800	Cybersecurity I	(3 cr)
_____	IS 4830	Networks: Binary Protocols	(3 cr)
_____	IS 5800	Cybersecurity II	(3 cr)
_____	IS 5850	Enterprise Security	(3 cr)
_____	Elective	**Choose One: DATA 5500, IS 5700, IS 5750, IS 5880	(3)

****Some classes may not be offered Statewide**

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 ≥ 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 ≥ 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.

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 (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 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.