### MIS Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS 3330</td>
<td>Database Mgt</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 3800</td>
<td>IT/HW and Systems S/W</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 5900</td>
<td>Systems Analysis/Proj Mgt</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 5910</td>
<td>(take with MIS 5900)</td>
<td>1 cr.</td>
</tr>
<tr>
<td>BUS 4250</td>
<td>Advanced Internship (waived for Huntsman Scholars)</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

One of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS 3500</td>
<td>Intro to Business Applications</td>
<td>3 cr.</td>
</tr>
<tr>
<td>CS 1400 C++</td>
<td>and CS 1400 C++ Lab</td>
<td>4 cr.</td>
</tr>
</tbody>
</table>

### Electives – Choose four courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS 3450</td>
<td>GUI Design</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 3860</td>
<td>Big Data Analytics</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 4330</td>
<td>Advanced Database</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 4350</td>
<td>Intro Perf Improve Projects</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 4800</td>
<td>Security Bus Info Systems</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 5050</td>
<td>ASP.net</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 5150</td>
<td>Sp. Topics/Emerging Tech</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 5300</td>
<td>Adv. Data Comm</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 5350</td>
<td>Financial Modeling/Apps</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 5650</td>
<td>Open Source Web Dev</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 5700</td>
<td>Internet Mgt &amp; E-Commerce</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MIS 5950</td>
<td>Independent Study</td>
<td>3 cr.</td>
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</tbody>
</table>

**Core Topics**

- Principles of Info Systems (MIS 2100)
- C++ (CS 1400)
- Business Statistics (QL)
- Instructional Tech elective (INST 5XXX)
- Instructional Tech elective (INST 5XXX)

**Elective Topics (Select 4)**

- GUI Design (MIS 3450)  
- Adv. DB (MIS 4330)  
- Intro Perf Improvement Projects (MIS 4350)  
- Security Business Info Systems (MIS 4800)  
- Risk Management (MIS 5050)  
- Financial Modeling/Apps (MIS 5150)  
- Internet Mgmt and e-Commerce (MIS 5700)  
- Independent Study (MIS 5950)  
- Internship (BUS 4250)  
- Core C++ Class (CS 1410)  

**Career Track**: A B C D E

- **A-Web Developer**: Requires strong programming skills and understanding of database principles. Security is important to protect integrity of web sites, and user interface design skills help a developer create attractive, functional web sites.
- **B-DBA (Database Administrator)**: Monitors, maintains, and optimizes critical organizational data to ensure efficient and accurate storage and retrieval. Understanding security and advanced data communication topics are important in the confidentiality and protection of data integrity.
- **C-Project Manager**: Coordinates IT projects, working with end users and technical staff to ensure deliverables meet business needs and are delivered on-time and within budget. E-commerce mgmt. and security topics are helpful to understand web-based architectures and enforce project standards and quality-assurance procedures.
- **D-IT Consultant/Business Analyst**: Examines and aligns business processes with information technologies, implementing more efficient and effective practices. Security and data communication infrastructure issues as well as the ability to analyze large amounts of data are helpful. Strong communication skills prove valuable, as the consultant/anaylst serves as a liaison between end users and technical professionals.
- **E-E-learning Manager**: Creates training modules for web-based training development projects. Understanding instructional design and training and development principles is required. Strong analytical and communication skills are important, as well as user interface planning skills to create well-designed applications.
UNIVERSITY STUDIES CHECKLIST
FOR STUDENTS WITH A MAJOR IN THE SOCIAL SCIENCES
GENERAL EDUCATION (34-37 CREDITS)

COMPETENCY REQUIREMENTS (7-13 CREDITS)

Communications Literacy (3-6)
1. □ ENG 1010 or □ AP English or □ ACT English ≥ 29 or □ CLEP (3)
2. □ ENG 2010* (3)

Quantitative Literacy (4)
□ MATH 1050 (4)
(or one course in Math or Stats requiring Math 1050 as a prerequisite or AP Calculus score of 3 or better)

*This course must be completed with a C grade or higher.

BREADTH REQUIREMENTS (6 COURSES – 18 CREDITS)
Select at least one approved course from each of the following six categories. At least two of the six Breadth courses must be University Studies courses with a USU prefix (excluding USU 1000). (A maximum of 4 CLEP or AP areas may be used.) Approved courses can be found in the USU catalog, the semester schedule book, and online at http://www.usu.edu/universitystudies/requirements.html

American Inst. □ 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
Exploration Credit □ 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)
□ MIS 3200 Business Communication
□ MIS 5900/5910 Systems Analysis/Project Management

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.