The Management Information Systems curriculum includes a 12-credit core which covers the fundamental knowledge of programming, systems analysis and design, database, and project management, the primary building blocks of IT skills. This core is then complemented by four elective clusters corresponding to four major IT job categories: application development cluster, IT infrastructure and security cluster, business analytics cluster, and supply chain technology cluster. This curriculum will allow students to be better equipped with a focused set of knowledge and skills to meet the specific job requirements. Equally important, this curriculum gives students the freedom to choose and build their knowledge and skill set targeting one or more job types of their interests.

**REQUIRED (12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Pre-requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS 307</td>
<td>Intermediate Business Programming</td>
<td>MIS/COM S 207* or COM S 227, Credit or Enrollment in MIS 301</td>
</tr>
<tr>
<td>MIS 310</td>
<td>Information Systems Analysis</td>
<td>Credit or Enrollment in MIS 301</td>
</tr>
<tr>
<td>MIS 320</td>
<td>Database Management Systems</td>
<td>Credit or Enrollment in MIS 301</td>
</tr>
<tr>
<td>MIS 340</td>
<td>Project Management</td>
<td>Credit or Enrollment in MIS 301</td>
</tr>
</tbody>
</table>

**ELECTIVE COURSES (6 CREDITS)**

Select 6 credits of MIS department courses, or select one of the MIS elective CLUSTERS described below.

**Application Development Cluster**

MIS 407  Advanced Business Programming  
MIS 447  Information Systems Development

**Business Analytics Cluster**

MIS 436  Introduction to Business Analytics  
MIS 446  Advanced Business Analytics

**IT Infrastructure and Security Cluster**

MIS 435  Information Systems Infrastructure  
MIS 445  Enterprise Systems and Architecture

**Supply Chain Technology Cluster**

MIS 440 (SCM 440)  Supply Chain Information Systems  
MIS 450 (SCM 450)  Enterprise Resource Planning in Supply Chain

**Other MIS courses**

MIS 315X (ACCT 315X)  Business Data Streams and Issues  
MIS 368  Spreadsheet Based Marketing Models  
MIS 434**  Electronic Commerce Strategy  
MIS 439**  Topics in Management of Information Systems

*MIS 207 (COM S 207 or 227) is a required course and should preferably be taken in the freshman or sophomore year.

**Courses not offered on a regular basis. Students should consult with their Academic Adviser about terms of offering.

**Other Graduation Requirements:** (for full degree requirements see your degree audit or the curriculum guide)

1. Minimum of 122 credits (crs) total;
2. 42 crs. of 300 level or higher coursework from a 4-year school;
3. Grade of “C” or better in two of the three required English courses;
4. Grade of “C” or better in at least 30 credits of business core & major;
5. 50% of required Bus courses must be earned at ISU;
6. The last 32 credits for a degree must be taken at ISU (exceptions for Study Abroad and Internship may be requested);
7. All 300 level and higher business credits must be earned at a four-year college;
8. Cumulative ISU grade point of at least 2.0 with no Quality Point Deficiencies;
9. Multiple business majors must have 15 distinct credits in each of the major requirement; see adviser regarding multiple business degree requirements.