# Information Systems Major

## First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 151</td>
<td>5</td>
<td>BUS 101, 102</td>
<td>4</td>
</tr>
<tr>
<td>CSE 148</td>
<td>3</td>
<td>ISA 235</td>
<td>3</td>
</tr>
<tr>
<td>ENG 111</td>
<td>3</td>
<td>COM 135</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
<td>ENG 112</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3</td>
<td>Science</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>17</td>
<td><strong>Total</strong></td>
<td>16-17</td>
</tr>
</tbody>
</table>

## Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 221</td>
<td>3</td>
<td>ACC 222</td>
<td>3</td>
</tr>
<tr>
<td>ECO 201</td>
<td>3</td>
<td>ECO 202</td>
<td>3</td>
</tr>
<tr>
<td>ISA 205</td>
<td>4</td>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>MGT 291</td>
<td>3</td>
<td>MKT 291</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>3-4</td>
<td>ISA 245</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16-17</td>
<td><strong>Total</strong></td>
<td>15</td>
</tr>
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## Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 301</td>
<td>3</td>
<td>BLS 342</td>
<td>3</td>
</tr>
<tr>
<td>ISA 301</td>
<td>3</td>
<td>ISA 403</td>
<td>3</td>
</tr>
<tr>
<td>ISA 281</td>
<td>3</td>
<td>ISA Elec./Elective</td>
<td>3</td>
</tr>
<tr>
<td>Thematic Sequence</td>
<td>3</td>
<td>MGT 302</td>
<td>3</td>
</tr>
<tr>
<td>Diversity</td>
<td>3-4</td>
<td>Global</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15-16</td>
<td><strong>Total</strong></td>
<td>15-16</td>
</tr>
</tbody>
</table>

## Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISA 387</td>
<td>3</td>
<td>ISA 406</td>
<td>3</td>
</tr>
<tr>
<td>ISA 400-level Elective/Capstone</td>
<td>3</td>
<td>Capstone/ISA 400-level</td>
<td>3</td>
</tr>
<tr>
<td>Global</td>
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<td>3</td>
</tr>
<tr>
<td>Thematic Sequence</td>
<td>3</td>
<td>Thematic Sequence</td>
<td>3</td>
</tr>
<tr>
<td>Elective/ISA Elective #2</td>
<td>3-4</td>
<td>ISA Elective #2/Elective</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15-16</td>
<td><strong>Total</strong></td>
<td>15-16</td>
</tr>
</tbody>
</table>

## Departmental Notes:

- Required: ISA 245, 281, 301, 387, 403 and 406
- The following courses are offered fall term only: ISA 281, 387, and 404.
- The following courses are offered spring term only: ISA 305, 403, 406, and 414.
- One 400 level elective required: ISA 404, 414, or 495
- ISA 495 may satisfy the ISA major and Capstone requirements.
- One additional ISA elective is required, select from: CSE 174, ISA 303, 305, 385, 404, 414, 481, or 495.

## Prerequisite Information:

- ACC 222: ACC 221
- ECO 201, ECO 202: MTH 102 or math placement score of 12 or higher
- FIN 301: ACC 221, ACC 222, ECO 201, and ECO 202
- ISA 205: MTH 151
- ISA 235: CSE 148; BUS 101 is a pre or co requisite
- ISA 387: ISA 235, ISA 245 is pre or co requisite
- ISA 403: ISA 245, 281, 301
- ISA 404: ISA 245
- ISA 406: ISA 387
- ISA 414: ISA 245 and 1 of ISA 404, 491, or STA 402
- Other ISA courses: ISA 235
- MGT 302: ISA 205
- Capstone: FIN 301, MGT 291, MKT 291
- All 200 level business core courses should be completed by the 5th semester.

For additional prerequisite information, please visit the Miami Bulletin [www.miamioh.edu/bulletin](http://www.miamioh.edu/bulletin).

## General Requirements:

- All students must earn 128 hours to graduate; minimum of 64 hours of non-business courses are required.
- A 2.0 GPA overall and 2.0 GPA in business are required to graduate.
- The Miami Plan Foundation (MPF) includes the Historical Perspective and Cultures requirements. These may overlap with another MPF course or FSB Diversity requirement.
- FSB students must select a thematic sequence outside the School of Business (ISA 2 is the only exception to this rule). You must declare your thematic sequence; contact sponsoring department to do so.
Information Systems Information

Description:
The Information Systems major allows students to manage and control the information resources of an organization through a balanced coverage of the managerial and technical issues facing businesses.

This major links fundamental business skills with technical skills in computer science. Students use hardware and software to collect and analyze data to solve complex business problems. Information System managers may have roles in network security, risk assessment, consulting, or coordinating technology operations.

Skills:
- Database development and management
- Systems analysis and design
- Systems development
- Microcomputer operations
- Computer graphics & multimedia
- Structuring and solving business problems using end user computing technology
- Information systems management
- Data analysis
- Modeling and simulations

“My favorite part of a career in the information systems field is the ability to help my company sustain a competitive edge by bridging the communication gap between business and technology owners, promoting effective and efficient use of IT tools, and enabling technology users to better perform their jobs.” — Jie W. ‘13, IT Analyst & Audit

“A career in information technology has provided me the ability to learn the wing-to-wing operations of our business, starting with engineering design through the support of our products in the field. Miami’s IS classes prepared me for the value-centered discussions prioritizing the digital products and services we create for Airlines.” — Jeff S. ‘07, IT Program Manager

Career Opportunities:
- Advisory
- Business Analyst
- Consultant
- Implementation Consultant
- IT Auditor
- IT Systems Analyst
- Operations Analyst
- Process Consultant
- Professional Services Analytics
- Research Association
- Risk Assurance
- Web Developer

Top Employers:
- Allstate
- Baxter Healthcare Corporation
- Cardinal Health
- Epic
- Fifth Third Bank
- GE
- Grant Thornton
- Luxottica
- Macy's Credit and Customer Services
- Nielsen
- Procter & Gamble
- Protiviti
- Target Corporation
- Textron, LD