College of Business Administration degree requirements:
60 credit hours of non-business coursework (see I below)
30 hours of core business coursework (see II below)
24 hours of INFSYS coursework (see III below)
6 hours of business or non-business approved electives
120 credits

I. REQUIRED NON-BUSINESS COURSEWORK: includes the campus general education requirements. Students must complete a 42-hour block of courses from an approved list of general education courses.

CORE:
1) First Year Writing – 1 course - (ENGL 1100, 1110 or HIST 1111 with a C- or better grade)
2) Math Proficiency – 1 course (MATH 1030 or a proctored ALEKS score of 45 or higher)
3) Communication Proficiency – 1 course (COMM 1030, 1040, 2230, 2240 or TH DAN 1210)
4) Information Literacy – 1 course (CMP SCI 1012, 1250, INFSYS 1800, 2800)
5) American History or Government – 1 course (CRIMIN 1100, HIST 1001, 1002, 1003, 1004, POL SCI 1100)

EXPLORE:
6) Humanities and Fine Arts – 9 hours from at least two areas (see approved list in Advising Office)
7) Social Sciences – 9 hours from at least two areas (BUS AD 2900, ECON 1001, 1002)
8) Math and Life/Natural Sciences – 9 hours from at least two areas (MATH 1100, 1105 and a Life/Natural Science)

Additional requirements of the College of Business include:
- One Cultural Diversity course
- Two Global Awareness courses (see MyView or approved list)
- ENGL 3120 Business Writing (with a C- or better grade)
- BUS AD 1000, ENT 1001, or completion of a social science course
- Completion of Good Standing requirements

II. REQUIRED BUSINESS ADMINISTRATION COURSES:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCTNG 2400</td>
<td>Fundamentals of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCTNG 2410</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>INFSYS 2800</td>
<td>Information Systems Concepts and Applications*</td>
<td>3</td>
</tr>
<tr>
<td>BUS AD 2900</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 3300</td>
<td>Business Analytics and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>SCMA 3301</td>
<td>Introduction to Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td>FINANCE 3500</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3600</td>
<td>Management and Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3700</td>
<td>Basic Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4219</td>
<td>Strategic Management (capstone course, taken during the last semester)**</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4220</td>
<td>Business Assessment Test</td>
<td>0</td>
</tr>
</tbody>
</table>

*INFSYS 1800 can be waived by exam. See website [http://umsl.edu/go/HRe](http://umsl.edu/go/HRe)

**Special Consent Form needed for MGMT 4219 Strategic Management.

III. INFORMATION SYSTEMS REQUIREMENTS:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFSYS 3806</td>
<td>Managerial Applications of Object-Oriented Programming I</td>
</tr>
<tr>
<td>INFSYS 3816</td>
<td>Managerial Applications of Object-Oriented Programming II</td>
</tr>
<tr>
<td>INFSYS 3810</td>
<td>Information Systems Analysis</td>
</tr>
<tr>
<td>INFSYS 3842</td>
<td>Data Network and Security</td>
</tr>
<tr>
<td>INFSYS 3845</td>
<td>Database Management Systems</td>
</tr>
<tr>
<td>INFSYS 4850</td>
<td>Information Systems Design</td>
</tr>
</tbody>
</table>

Students must complete two courses (6 hours) from the following including at least one (INFSYS) course at the 3000/4000-level:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFSYS 3807</td>
<td>Legacy Systems</td>
</tr>
<tr>
<td>INFSYS 3815</td>
<td>Object-Oriented Applications in Business</td>
</tr>
<tr>
<td>INFSYS 3841</td>
<td>Enterprise Information Systems</td>
</tr>
<tr>
<td>INFSYS 3843</td>
<td>Decision Support Systems for Business Intelligence</td>
</tr>
<tr>
<td>INFSYS 3844</td>
<td>Developing Business Applications in .NET</td>
</tr>
<tr>
<td>INFSYS 3846</td>
<td>E-Commerce</td>
</tr>
<tr>
<td>INFSYS 3847</td>
<td>Web Design</td>
</tr>
<tr>
<td>INFSYS 3848</td>
<td>Introduction to Information Security</td>
</tr>
<tr>
<td>INFSYS 3858</td>
<td>Advanced Security and Information Systems</td>
</tr>
<tr>
<td>INFSYS 3868</td>
<td>Secure Software Development</td>
</tr>
<tr>
<td>INFSYS 3878</td>
<td>Information Security Risk Management &amp; Business Continuity</td>
</tr>
<tr>
<td>INFSYS 3890</td>
<td>Internship in Information Systems</td>
</tr>
<tr>
<td>INFSYS 3898</td>
<td>Seminar in Information Systems Management</td>
</tr>
<tr>
<td>INFSYS 3899</td>
<td>Independent Study in Information Systems</td>
</tr>
</tbody>
</table>

Students can add an undergraduate certificate or minor in cybersecurity to the BSIS by choosing the appropriate electives.

See reverse side for additional electives.
Bachelor of Science in Information Systems And Technology Degree
Four-Year Plan

Students must have 42 hours of General Education coursework. Courses listed in bold print count toward the 42 hours. A list of applicable General Education and American History or Government courses is posted on the College of Business Administration webpage and are available in the Academic Advising Office. Courses in italics count toward the Good Standing Policy.

FIRST SEMESTER

**MATH 1030 College Algebra**  
**ENGL 1100 First Year Writing**  
**BUS AD 1000 or ENT 1001***  
**INFSYS 1800 Computers and Information Systems**  
**Social Sciences**  
**INTDSC 1003 University Studies (1 hr)**

SECOND SEMESTER

**MATH 1100 Basic Calculus**  
**ECON 1001 Principles of Microeconomics**  
**Humanities and Fine Arts**  
**INFSYS 2800 Information Systems Concepts and Applications**

THIRD SEMESTER

**MATH 1105 Basic Probability and Statistics**  
**Communicating Proficiency**  
**ACCTNG 2400 Fundamentals of Financial Accounting**  
**ECON 1002 Principles of Macroeconomics**  
**INFSYS 3806 Managerial Applications of Object-Oriented Prog. I**

FOURTH SEMESTER

**ACCTNG 2410 Managerial Accounting**  
**BUS AD 2900 Legal Environment of Business**  
**SCMA 3300 Business Analytics and Statistics**  
**Humanities and Fine Arts**  
**INFSYS 3816 Managerial Applications of Object-Oriented Prog. II**

FIFTH SEMESTER

**SCMA 3301 Introduction to Supply Chain Management**  
**MGMT 3600 Management and Organizational Behavior**  
**ENGL 3120 Business Writing**  
**INFSYS 3810 Information Systems Analysis**  
**Humanities and Fine Arts**

SIXTH SEMESTER

**INFSYS 4850 Information Systems Design**  
**Information Systems Elective***  
**Global Awareness Course (Non-Business)**  
**Non-Business Approved Elective**  
**Non-Business Approved Elective**

SEVENTH SEMESTER

**FINANCE 3500 Financial Management**  
**MKTG 3700 Basic Marketing**  
**INFSYS 3845 Database Management Systems**  
**Cultural Diversity Course**  
**American History or Government**

EIGHTH SEMESTER

**INFSYS 4850 Information Systems Design**  
**MGMT 4219 Strategic Management / MGMT 4220 Business Test**  
**INFSYS 3842 Data Networks and Security**  
**Non-Business Approved Elective**  
**Non-Business Approved Elective**

*** Choose from the following courses (at least one INFSYS course at the 3000/4000 level) Check course prerequisites  
**INFSYS 3807 Legacy Systems**  
**INFSYS 3815 Object-Oriented Applications in Business**  
**INFSYS 3841 Enterprise Information Systems**  
**INFSYS 3843 Decision Support Systems for Business Intelligence**  
**INFSYS 3844 Developing Business Applications in .NET**  
**INFSYS 3846 E-Commerce**  
**INFSYS 3847 Web Design**  
**INFSYS 3848 Introduction to Information Security**  
**INFSYS 3858 Advanced Security and Information Systems**  
**INFSYS 3868 Secure Software Development**  
**INFSYS 3878 Information Security Risk Management and Business Continuity**  
**INFSYS 3890 Internship in Information Systems**  
**INFSYS 3898 Seminar in Information Systems Management**  
**INFSYS 3899 Independent Study in Information Systems**  
**ACCTNG 3421 Accounting Information Systems**  
**FINANCE 3503 Computer Applications in Finance**  
**MKTG 3721 Introduction to Digital Marketing Strategies**  
**MKTG 3722 Introduction to Social Media Marketing**  
**CMP SCI 4222 iOS Apps**  
**CMP SCI 4300 Introduction to Artificial Intelligence**  
**CMP SCI 4700 Computer Forensics**  
**CMP SCI 4760 Operating Systems**  
+ Must be approved by the department faculty and the department chair.

* BUS AD 1000 Introduction to Business or ENT 1001 Introduction to Entrepreneurship and INTDSC 1003 University Studies are not required courses but students are strongly encouraged to take them during their freshman year.

** INFSYS 1800 Computers and Information Systems is a prerequisite for INFSYS 2800 Information Systems Concepts and Applications. This prerequisite can be waived by exam. See website http://umsl.edu/go/HRe

*** Choose from the following courses (at least one INFSYS course at the 3000/4000 level) Check course prerequisites


College of Business Administration Academic Advising website: http://www.umsl.edu/divisions/business/undergrad_advising/

Students seeking two concurrent degrees must have 135 hours with a major and an emphasis area. See an advisor for details.

Program Subject to Change