BUSINESS AND MANAGEMENT SYSTEMS

Business and management systems is an undergraduate degree based on broad, foundational core courses. Professionals in this field analyze organizational needs to provide technology-enabled management and operations.

Today's business environments have a critical need for professionals who have an understanding of information technologies; are capable of operating in an electronic environment; and are able to synthesize, analyze, and learn from vast amounts of information. These individuals are needed to realize technology's great potential to support business processes, decision making, and communication.

As a business and management systems major, you will take courses that are rigorous and oriented toward building the foundation necessary for lifetime learning. Studying at Missouri S&T, you will benefit from the world-class computer environment and your association with excellent students from around the country and the world. Students in the program are strongly encouraged to participate in summer internships or co-ops with companies before they graduate. There are many opportunities and students benefit greatly in terms of their education and the edge they have seeking full-time employment once they graduate.

Bachelor of Science Business and Management Systems

In Business and Management Systems, the Bachelor of Science degree consists of 120 credit hours. All undergraduate students in Business and Management Systems are required to complete a General Education Requirements Core, including courses in Humanities, Social Sciences, Mathematics, Science, and Communication Skills.

A common departmental core of courses in Management and Information Technology helps provide students with skills to succeed in a fast-changing and globalized environment. Business Core courses and Business Electives provide students with comprehensive knowledge in business disciplines.

A minimum grade of "C" is required in the Business Core, Business Electives, Management, and Information Technology courses. Students have 9 credit hours for free electives.

Freshman Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYCH 1101</td>
<td>3</td>
<td>IS&amp;T 1750</td>
<td>3</td>
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<tr>
<td>BUS 1110</td>
<td>1</td>
<td>3 credit hours of Mathematical Science or Science 4</td>
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<tr>
<td>ENGLISH 1120</td>
<td>3</td>
<td>ECON 1200</td>
<td>3</td>
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<tr>
<td>4 credit hours of Mathematical Science or Science 4</td>
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Sophomore Year

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<tbody>
<tr>
<td>BUS 1210</td>
<td>3</td>
<td>FINANCE 2150</td>
<td>3</td>
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<tr>
<td>MATH 1212</td>
<td>4</td>
<td>IS&amp;T 1552</td>
<td>3</td>
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<tr>
<td>IS&amp;T 1551</td>
<td>3</td>
<td>ERP 2110</td>
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</tr>
<tr>
<td>ECON 1100</td>
<td>3</td>
<td>POL SCI 1200</td>
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<tr>
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<th>First Semester</th>
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<tbody>
<tr>
<td>MKT 3110</td>
<td>3</td>
<td>BUS 5580</td>
<td>3</td>
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<tr>
<td>IS&amp;T 4654</td>
<td>3</td>
<td>ENGLISH 2560 or TCH COM 2560</td>
<td>3</td>
<td></td>
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<tr>
<td>STAT 3111</td>
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<td>BUS 3220</td>
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<td>Business Elective</td>
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<td>Business Electives</td>
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<table>
<thead>
<tr>
<th>Senior Year</th>
<th>First Semester</th>
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<tbody>
<tr>
<td>BUS 2910</td>
<td>3</td>
<td>BUS 5980 1</td>
<td>3</td>
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<tr>
<td>BUS 5360</td>
<td>3</td>
<td>BUS 5111</td>
<td>3</td>
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<tr>
<td>MKT 5310</td>
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<td>Business Elective</td>
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<tr>
<td>Business Elective</td>
<td>3</td>
<td>Fine Art, Social Science, or Humanities Elective 5</td>
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<tr>
<td>Free Elective</td>
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<tr>
<td>Total Credits: 15</td>
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</table>

Total Credits: 120

A grade of “C” or better is required in the following courses for graduation: IS&T 1551, IS&T 1552, IS&T 1750, IS&T 4654, ERP 2110, FIN 2150, MKT 3110, MKT 5310, ECON 1100, ECON 1200, BUS 1110, BUS 1210, FIN 2150, BUS 2910, BUS 3220, BUS 5111, BUS 5360, BUS 5580, BUS 5980, and all Business Electives.

1 Writing intensive course
2 Any course in the following areas not used for other degree requirements: Art, economics, English, foreign language, history, literature, music, philosophy, political science, psychology, sociology, theater.
3 Any course in the following areas: Biology, Chemistry, Geology, Geological Engineering, Physics.
4 Mathematical Science is any MATH, STAT, COMPSCI or IST course not otherwise covered in the degree program.

For definition of science, refer to footnote 3.

Areas of Concentration

All students are required to complete twelve credit hours chosen from 2000, 3000, 4000, or 5000-level courses in business, economics, finance, enterprise resource planning, information science & technology, or marketing. A "C" or better grade is required in all twelve credit hours. If the student chooses to designate an area of concentration for these courses, focusing at least 3 courses (9 credits) in one area, he or she may do so. Students are not required to choose a concentration area. Areas of concentration are:

E-Commerce

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS&amp;T 5652</td>
<td>Advanced Web Development</td>
<td>3</td>
</tr>
<tr>
<td>IS&amp;T 4641</td>
<td>Digital Commerce and IoT Analytics</td>
<td>3</td>
</tr>
<tr>
<td>IS&amp;T 4642</td>
<td>E-Commerce Architecture</td>
<td>3</td>
</tr>
<tr>
<td>IS&amp;T 4257</td>
<td>Network Economy</td>
<td>3</td>
</tr>
<tr>
<td>IS&amp;T 5168</td>
<td>Law and Ethics in E-Commerce</td>
<td>3</td>
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</table>
Enterprise Resource Planning
Any 9 hours of ERP-designated courses at the 4000-level or above.

Finance
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FINANCE 5160</td>
<td>Corporate Finance II</td>
<td>3</td>
</tr>
<tr>
<td>FINANCE 5260</td>
<td>Investments I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4720</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>FINANCE 5310</td>
<td>Financial Technology and Analytics</td>
<td>3</td>
</tr>
<tr>
<td>BUS 5230</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

ECON 4410, and ECON 5337 cannot be used toward this concentration.

Human-Computer Interaction
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS&amp;T 5652</td>
<td>Advanced Web Development</td>
<td>3</td>
</tr>
<tr>
<td>IS&amp;T 5885</td>
<td>Human-Computer Interaction and User Experience</td>
<td>3</td>
</tr>
<tr>
<td>IS&amp;T 5886</td>
<td>Prototyping Human-Computer Interactions</td>
<td>3</td>
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<tr>
<td>IS&amp;T 5887</td>
<td>Human-Computer Interaction Evaluation</td>
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Management
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BUS 5470</td>
<td>Human Resource Management</td>
<td>3</td>
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<tr>
<td>BUS 5111</td>
<td>Business Negotiations</td>
<td>3</td>
</tr>
<tr>
<td>IS&amp;T 5251</td>
<td>Management and Leadership of Technological Innovation</td>
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Marketing
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MKT 3210</td>
<td>Consumer Behavior</td>
<td>3</td>
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<tr>
<td>MKT 4580</td>
<td>Marketing Strategy</td>
<td>3</td>
</tr>
<tr>
<td>ERP 4610</td>
<td>Customer Relationship Management in ERP Environment</td>
<td>3</td>
</tr>
<tr>
<td>MKT 5150</td>
<td>Customer Focus and Satisfaction</td>
<td>3</td>
</tr>
<tr>
<td>MKT 5320</td>
<td>Marketing for Non-Profits</td>
<td>3</td>
</tr>
</tbody>
</table>

Bachelor of Science
Business and Management Systems
Secondary Education Emphasis Area

Degree Requirements
You may earn a B.S. degree in business and management systems from Missouri S&T and certification to teach at the secondary level in the schools of Missouri with this emphasis area. This program can be completed in four academic years and field experiences are arranged with public schools anywhere in the state.

Students interested in this emphasis area should consult with the advisor for business and management systems education majors in the business and management systems department.

In order to successfully complete this emphasis area, students must maintain a cumulative GPA of at least 2.75, and attain at least a 3.0 GPA average for all business content and professional education courses required by the Missouri Department of Elementary and Secondary Education for teacher certification. Current Missouri S&T or transfer students who wish to pursue this emphasis area must both meet these GPA requirements to be accepted into the program. Students must also meet all requirements listed under the teacher education program in this catalog. Students who do not meet all the teacher certification requirements will not be eligible for the secondary education emphasis area, even if they have completed all required course work.

A degree in this emphasis area requires 136 credit hours. The required courses are listed below. A minimum grade of "C" is required by the department in all courses designated BUS, MKT, FINANCE, IS&T, ECON, or ERP that are counted toward this degree.

General Education
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYCH 1101</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>PSYCH 2300</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 3310</td>
<td>Developmental Psychology</td>
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</tr>
<tr>
<td>Science Elective 1</td>
<td>Mathematical Science or Science 2</td>
<td>3</td>
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<tr>
<td>History Elective</td>
<td>Fine Art, Social Science or Humanities Elective 3</td>
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<tr>
<td>ECON 1100</td>
<td>Principles Of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1200</td>
<td>Principles Of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>POL SCI 1200</td>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1212</td>
<td>Survey of Calculus</td>
<td>4</td>
</tr>
<tr>
<td>STAT 3111</td>
<td>Statistical Tools For Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>ENGLISH 1120</td>
<td>Exposition And Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>ENGLISH 1600</td>
<td>Introduction to Technical Communication</td>
<td>3</td>
</tr>
<tr>
<td>IS&amp;T 4664</td>
<td>Introduction to Web Design and Digital Media Studies</td>
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Common Core Courses and Management
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>IS&amp;T 1750</td>
<td>Introduction to Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>IS&amp;T 1551</td>
<td>Implementing Information Systems: User Perspective</td>
<td>3</td>
</tr>
<tr>
<td>IS&amp;T 1552</td>
<td>Implementing Information Systems: Data Perspective</td>
<td>3</td>
</tr>
<tr>
<td>ERP 2110</td>
<td>Introduction to Enterprise Resource Planning</td>
<td>3</td>
</tr>
<tr>
<td>BUS 1210</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FINANCE 2150</td>
<td>Corporate Finance I</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3110</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 1110</td>
<td>Introduction to Management and Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>BUS 5980</td>
<td>Business Models for Entrepreneurship and Innovation</td>
<td>3</td>
</tr>
<tr>
<td>BUS 2910</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS 3220</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 5360</td>
<td>Business Operations</td>
<td>3</td>
</tr>
<tr>
<td>BUS 5580</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 5310</td>
<td>Digital Marketing and Promotions</td>
<td>3</td>
</tr>
<tr>
<td>BUS 3115</td>
<td>Introduction to Teambuilding and Leadership</td>
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<tr>
<td>BUS 5111</td>
<td>Business Negotiations</td>
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Education
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<th>Course</th>
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<td>EDUC 1040</td>
<td>Perspectives In Education</td>
<td>2</td>
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<tr>
<td>EDUC 1174</td>
<td>School Organization and Administration For Teachers</td>
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<tr>
<td>EDUC 2310</td>
<td>Education Of The Exceptional Child</td>
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<tr>
<td>EDUC 3216</td>
<td>Instructional Literacy in the Content Area</td>
<td>3</td>
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<tr>
<td>ENGLISH 3170</td>
<td>Teaching And Supervising Reading and Writing</td>
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<tr>
<td>EDUC 3280</td>
<td>Instructional Strategies in the Content Area</td>
<td>3</td>
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<tr>
<td>EDUC 3290</td>
<td>Coordination of Cooperative Education</td>
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<tr>
<td>EDUC 3298</td>
<td>Teacher Field Experience III</td>
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<tr>
<td>EDUC 3340</td>
<td>Assessment of Student Learning</td>
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<tr>
<td>EDUC 4298</td>
<td>Student Teaching Seminar</td>
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<tr>
<td>EDUC 1104</td>
<td>Teacher Field Experience I</td>
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</table>
Minors

You must see the department advisor and complete a minor application before beginning your minor. Requirements change over time. You will be held to the requirements in force at the time you apply for the minor. Postponing your application for the minor may result in you having to take additional courses to complete the minor. At least six (6) hours of the minor course work must be taken in residence at Missouri S&T.

Minor in Artificial Intelligence and Machine Learning in Business

The Minor requires 15 credit hours, as follows:

- BUS 5730 Machine Learning and Artificial Intelligence for Business 3
- IS&T 5535 Machine Learning Algorithms and Applications 3
- IS&T 3420 Introduction to Data Science and Management 3
- And two courses from the following list: 6
  - STAT 3111 Statistical Tools For Decision Making
  - IS&T 3333 Data Networks and Information Security
  - IS&T 3343 Systems Analysis
  - IS&T 5420 Business Analytics and Data Science
  - IS&T 5450 Introduction to Information Visualization
  - IS&T 5520 Data Science and Machine Learning with Python
  - ERP 5410 Use of Business Intelligence

Minor in Business

The minor in business and management systems requires the following 15 hours of coursework:

- FINANCE 2150 Corporate Finance I 3
- ECON 1100 Principles Of Microeconomics 3
- or ECON 1200 Principles Of Macroeconomics 3
- or BUS 1414 The Inclusive Workplace 3
- BUS 1110 Introduction to Management and Entrepreneurship 3
- BUS 1210 Financial Accounting 3
- MKT 3110 Marketing 3

Minor in Business Applications and Software Development

The Minor requires 15 credit hours, as follows:

- Required Courses: 6
  - IS&T 3420 Introduction to Data Science and Management
  - IS&T 5680 Digital Media Development and Interactive Design
- And three courses from the following list: 9
  - IS&T 1552 Implementing Information Systems: Data Perspective
  - or IS&T 1562 Java and Data Structures
  - IS&T 3131 Computing Internals and Operating Systems
  - IS&T 3423 Database Management
  - IS&T 3443 Database Applications in Business
  - ERP 5240 Enterprise Application Development and Software Security
  - IS&T 5520 Data Science and Machine Learning with Python

Minor in Cybersecurity Management and Information Assurance

This minor requires the following 15 hours of coursework:

The following three courses are required:

- BUS 5910 Privacy and Information Security 3
- IS&T 5780 Human and Organizational Factors in Cybersecurity 3
- IS&T 3333 Data Networks and Information Security 3
- Two of the following courses must also be taken: 6
  - ERP 5240 Enterprise Application Development and Software Security
  - IS&T 3420 Introduction to Data Science and Management
  - IS&T 4641 Digital Commerce and IoT Analytics
  - IS&T 5335 Fundamentals of Mobile Technology for Business

Minor in Digital Supply Chain Management

The minor in digital supply chain management requires the following 15 hours of coursework:

- BUS 5600 Business Operations 3
- or MECH ENG 3653 Manufacturing 3
- ERP 5310 Supply Chain Management Systems in an ERP Environment 3
- ERP 4610 Customer Relationship Management in ERP Environment 3
- or MECH ENG 5760/ Probabilistic Engineering Design
- AERO ENG 5760
- Two courses from the following list: 6
  - ERP 5410 Use of Business Intelligence
  - ERP 5110 Enterprise Resource Planning Systems Design and Implementation
  - MECH ENG 5708 Rapid Product Design And Optimization
  - MECH ENG 5566 Design For Manufacture
  - MECH ENG 5757/ ENG MGT 5516 Integrated Product And Process Design
  - MECH ENG 5763 Computer Aided Design: Theory and Practice
  - * Non business and information technology students must select ERP 5110 as one of the two electives.

Minor in Electronic and Social Commerce

The minor in electronic and social commerce requires the following 15 hours of coursework:

- IS&T 4641 Digital Commerce and IoT Analytics 3
- BUS 1414 The Inclusive Workplace 3
- Three courses from the following list: 9
  - IS&T 5251 Management and Leadership of Technological Innovation
  - IS&T 5335 Fundamentals of Mobile Technology for Business
  - IS&T 5652 Advanced Web Development
  - IS&T 5168 Law and Ethics in E-Commerce
  - IS&T 5885 Human-Computer Interaction and User Experience
  - IS&T 5886 Prototyping Human-Computer Interactions
  - MKT 5310 Digital Marketing and Promotions
  - MKT 4580 Marketing Strategy

Minor in Enterprise Resource Planning (ERP)

The minor in ERP requires the following 15 hours of coursework:

- BUS 1210 Financial Accounting 3
- ERP 2110 Introduction to Enterprise Resource Planning 3
- ERP 5110 Enterprise Resource Planning Systems Design and Implementation 3
- Six credit hours of electives from any other ERP-designated courses at the 4000-level or above 6
- Total Credits 15

Minor in Entrepreneurship

The minor in entrepreneurship requires the following 15 hours of coursework:

2021-2022
BUS 1110  Introduction to Management and Entrepreneurship  3
BUS 5980  Business Models for Entrepreneurship and Innovation  3
MKT 5310  Digital Marketing and Promotions  3

Two courses from the following list:  6

BUS 1414  The Inclusive Workplace
BUS 5150  Consumer Focus and Satisfaction
BUS 5580  Strategic Management
IS&T 4641  Digital Commerce and IoT Analytics
IS&T 4654  Introduction to Web Design and Digital Media Studies
IS&T 5251  Management and Leadership of Technological Innovation
IS&T 5335  Fundamentals of Mobile Technology for Business
IS&T 5886  Prototyping Human-Computer Interactions
ENG MGT 5511  Technical Entrepreneurship
ENG MGT 5411  Engineering Design Optimization

Minor in Finance
The minor in finance requires the following 15 hours of coursework:

ECON 1100  Principles Of Microeconomics  3
or ECON 1200  Principles Of Macroeconomics
or BUS 1414  The Inclusive Workplace
FINANCE 2150  Corporate Finance I  3
and three courses from the following:  9

BUS 5230  Financial Statement Analysis
FINANCE 5160  Corporate Finance II
FINANCE 5260  Investments I
FINANCE 5310  Financial Technology and Analytics

Total Credits  15

Minor in Financial Technology, Analytics and Transformation
The Minor requires 15 credit hours, as follows:

Required Courses:  6

FINANCE 2150  Corporate Finance I
FINANCE 5310  Financial Technology and Analytics

One or more of the following courses must be taken:  3

IS&T 3420  Introduction to Data Science and Management
BUS 5230  Financial Statement Analysis

One or more of the following courses must be taken:  6

IS&T 4641  Digital Commerce and IoT Analytics
IS&T 5780  Human and Organizational Factors in Cybersecurity
IS&T 5820  Data Science and Machine Learning with Python
ERP 5210  Performance Dashboard, Scorecard and Data Visualization
ERP 5410  Use of Business Intelligence
FINANCE 5160  Corporate Finance II
FINANCE 5260  Investments I

Minor in Information Science and Technology
The minor in information science and technology requires the following 15 hours of coursework:

IS&T 1750  Introduction to Management Information Systems
IS&T 1551  Implementing Information Systems: User Perspective or IS&T 1561 Algorithms and Programming with Java
IS&T 1552  Implementing Information Systems: Data Perspective or IS&T 1562 Java and Data Structures
ERP 2110  Introduction to Enterprise Resource Planning

One other IS&T or ERP course at the 2000 level or above.

Minor in Management
The minor in management requires the following 15 hours of coursework:

BUS 1110  Introduction to Management and Entrepreneurship  3
BUS 1414  The Inclusive Workplace  3
Three courses from the following list:  9

BUS 2910  Business Law
BUS 3115  Introduction to Teambuilding and Leadership
BUS 5111  Business Negotiations
BUS 5150  Customer Focus and Satisfaction
BUS 5360  Business Operations
BUS 5470  Human Resource Management
BUS 5580  Strategic Management
BUS 5910  Privacy and Information Security
IS&T 4261  Information Systems Project Management
ENG MGT 3320  Introduction to Project Management

Minor in Marketing
The minor in marketing requires the following 15 hours of coursework:

ECON 1100  Principles Of Microeconomics  3
or ECON 1200  Principles Of Macroeconomics
or BUS 1414  The Inclusive Workplace
MKT 3110  Marketing  3
Three courses from the following list:  9

MKT 3210  Consumer Behavior
MKT 4580  Marketing Strategy
MKT 5310  Digital Marketing and Promotions
MKT 5320  Marketing for Non-Profits
ERP 5610  Customer Relationship Management in ERP Environment
MKT 5410  Big Data Consumer Analytics
Other marketing electives approved by the department (MKT 3000 and above)

Minor in Mobile Business and Digital Transformation
The minor in mobile business and technology requires the following 15 hours of coursework:

Two or three of the following courses must be taken:  9

IS&T 4641  Digital Commerce and IoT Analytics
IS&T 4654  Introduction to Web Design and Digital Media Studies (Two or three of the following courses must be taken.)
IS&T 5335  Fundamentals of Mobile Technology for Business
ERP 5240  Enterprise Application Development and Software Security

Two or three of the following courses must be taken:  6

BUS 1414  The Inclusive Workplace
IS&T 3333  Data Networks and Information Security
IS&T 5652  Advanced Web Development
IS&T 5886  Prototyping Human-Computer Interactions
ERP 4610  Customer Relationship Management in ERP Environment
ERP 5310  Supply Chain Management Systems in an ERP Environment
ERP 5210  Performance Dashboard, Scorecard and Data Visualization
MKT 5310  Digital Marketing and Promotions
IS&T 5680  Digital Media Development and Interactive Design

Pre MBA Minor
The minor in pre MBA will prepare students to enter an accredited MBA program at Missouri S&T or elsewhere. This minor requires the following 39 hours of coursework:

PSYCH 1101  General Psychology  3
MATH 1208  Calculus With Analytic Geometry I  5
or MATH 1212 Survey of Calculus
or MATH 1214 Calculus I
ECON 1300/STAT 1111 Business And Economic Statistics I 3
or STAT 1115 Statistics For The Social Sciences I
or STAT 3111 Statistical Tools For Decision Making
or STAT 3113 Applied Engineering Statistics
or STAT 3115 Engineering Statistics
or STAT 3117 Introduction To Probability And Statistics
ECON 1100 Principles Of Microeconomics 3
ECON 1200 Principles Of Macroeconomics 3
BUS 1110 Introduction to Management and Entrepreneurship 3
BUS 1210 Financial Accounting 3
BUS 3220 Managerial Accounting 3
BUS 2910 Business Law 3
BUS 5360 Business Operations 3
MKT 3110 Marketing 3
FINANCE 2150 Corporate Finance I 3
IS&T 1750 Introduction to Management Information Systems 3

Eric Anderson, Adjunct Instructor
JD University of Missouri-Columbia

Randy Lawrence Canis, Adjunct Professor
JD University of Missouri-Columbia

Langtao Chen, Assistant Professor
PHD Georgia State University

Yu Hsien Chiu, Teaching Professor
MASTER University of Wisconsin-Milwaukee

Cecil Chua, Associate Professor
PHD Georgia State University

Cassandra Carlene Elrod, Associate Professor
PHD University of Missouri-Rolla

Li-Li Eng, Associate Professor
PHD University of Michigan Ann Arbor

Hanqing Fang, Assistant Professor
PHD Mississippi State University

Caroline Fisher, Professor Emeritus
PHD Bowling Green State University

Nobuyuki Fukawa, Associate Professor
PHD Louisiana State University

Edward J Harvey, Adjunct Instructor
MBA University of Missouri-Columbia

Michael Gene Hilgers, Professor
PHD Brown University

Ray Kluczny, Associate Professor Emeritus
PHD Arizona State University

Kellie Kowalski, Adjunct Instructor
MASTER Northern Arizona University

Bih-Ru Lea, Associate Professor
PHD Clemson University

Yu Liu, Assistant Professor
PHD University of Oregon

Fiona Fui-Hoon Nah, Professor
PHD University of British Columbia

Elizabeth Ortmann Vincenzo, Adjunct Instructor
JD Loyola University Chicago

Kent Robinson, Adjunct Instructor
JD University of Illinois-Urbana-Champaign

Keng Leng Siau, Professor
PHD University of British Columbia

Sarah Margaret Stanley, Associate Professor
PHD Saint Louis University

Wen-Bin Yu, Associate Professor
PHD University of Louisville

Hongxian Zhang, Associate Professor
PHD University of Texas at San Antonio

BUS 1000 Special Problems (IND 0.0-6.0)
Problems or readings on specific subjects or projects in the department.
Consent of instructor required.

BUS 1001 Special Topics (IND 0.0-6.0)
This is designed to give the department an opportunity to test a new
course. Variable title.

BUS 1110 Introduction to Management and Entrepreneurship (LEC 3.0)
The course provides an introduction to the basic concepts of
management and entrepreneurship to provide an awareness of what
functions and challenges are faced by managers and entrepreneurs
in today's global environment. Applications of the concepts to the
organization, operations, and resources are discussed. Appropriate for all
majors.

BUS 1110H Intro Mgt and Entrepreneurship-Honors (LEC 3.0)

BUS 1210 Financial Accounting (LEC 3.0)
This course is an introduction to financial accounting and its significant
role in making sound business decisions. Emphasis is on what
accounting information is, why it is important, and how it is used to make
strategic economic decisions.

BUS 1414 The Inclusive Workplace (LEC 3.0)
This course will cover topics such as corporate social responsibility,
ethics, diversity and inclusion (i.e. national culture, race, religion, age,
gender, sexual orientation, and ability). Students will learn to recognize
their own biases, understand the benefits of inclusion, and be exposed to
a few strategies utilized to achieve an inclusive workplace.

BUS 1810 Introduction to College Success (LEC 1.0)
This course teaches essential skills for success in Business and
Information Technology and a student's future career. The course creates
a sense of community in the department and prepares the student for the
business world.
BUS 1811 Introduction to College Success II (LAB 0.50)
A continuation of BUS 10. Students learn essential skills for success in Business and Information Technology. The course creates a sense of community in the department and prepares the students for the business world.

BUS 2000 Special Problems (IND 0.0-6.0)
Problems or readings on specific subjects or projects in the department. Consent of instructor required.

BUS 2001 Special Topics (LEC 0.0-6.0)
This is designed to give the department an opportunity to test a new course. Variable title.

BUS 2002 Cooperative Training in Business (IND 0.0-6.0)
On-the-job experience gained through cooperative education with industry with credit arranged through departmental co-op advisor. Grade received depends on quality of reports submitted and work supervisors’s evaluation. Prerequisite: Completed 30 hours toward degree.

BUS 2910 Business Law (LEC 3.0)
This course is an introduction to the nature and meaning of law and the legal environment of business. Topics include the legal process, sources of law, and institutions.

BUS 3000 Special Problems (IND 0.0-6.0)
Problems or readings on specific subjects or projects in the department. Consent of instructor required.

BUS 3105 Management and Business Law Essentials (LEC 1.5)
This course is an introduction to the essentials of management and business law for running a business. It is designed for students planning to enter the MBA program who need this area and for non-business students who want some business background. Credit in this course cannot be applied to any major or minor in Business, IS&T, or Economics. Prerequisite: Senior or Junior Standing; 3.0 GPA required.

BUS 3115 Introduction to Teambuilding and Leadership (LEC 3.0)
This course covers an introduction to leadership styles, principles, models, issues, and applications through analytical and intellectual examination. Key components of teams are introduced, with opportunities to practice and develop both leadership and teambuilding skills.

BUS 3205 Accounting Essentials (LEC 1.5)
This course is an introduction to the essentials of financial and managerial accounting for running a business. It is designed for students planning to enter the MBA program who need this area and for non-business students who want some business background. Credit in this course cannot be applied to any major or minor in Business, IS&T, or Economics. Prerequisite: Senior or Junior standing; 3.0 GPA required.

BUS 3220 Managerial Accounting (LEC 3.0)
Emphasizes internal use of accounting information in establishing plans and objectives, controlling operations, and making decisions involved with management of an enterprise (the determination of costs relevant to a specific purpose such as inventory valuation, control of current operation, or special decisions). Prerequisites: Bus 1210 or Eng Mgt 2211.

BUS 3305 Operations Management Essentials (LEC 1.5)
This course is an introduction to the essentials of operations management for running a business. It is designed for students planning to enter the MBA program who need this area and for non-business students who want some business background. Credit in this course cannot be applied to any major or minor in Business, IS&T, or Economics. Prerequisite: Senior or Junior Standing; 3.0 GPA required.

BUS 3315 Introduction to Management and Business Law Essentials (LEC 3.0)
This course is an introduction to the essentials of management and business law for running a business. It is designed for students planning to enter the MBA program who need this area and for non-business students who want some business background. Credit in this course cannot be applied to any major or minor in Business, IS&T, or Economics. Prerequisite: Senior or Junior Standing; 3.0 GPA required.

BUS 3705 Management Information Systems Essentials (LEC 1.5)
This course is an introduction to the essentials of management information systems for running a business. It is designed for students planning to enter the MBA program who need this area and for non-business students who want some business background. Credit in this course cannot be applied to any major or minor in Business, IS&T, or Economics. Prerequisite: Senior or Junior Standing; 3.0 GPA required.

BUS 3805 Mathematics and Statistics Essentials (LEC 1.5)
This course is an introduction to the essentials of mathematics and statistics for running a business. It is designed for students planning to enter the MBA program who need this area and for non-business students who want some business background. Credit in this course cannot be applied to any major or minor in Business, IS&T, or Economics. Prerequisite: Senior or Junior Standing; 3.0 GPA required.

BUS 4000 Special Problems (IND 0.0-6.0)
Problems or readings on specific subjects or projects in the department. Consent of instructor required.

BUS 4001 Special Topics (LEC 0.0-6.0)
This is designed to give the department an opportunity to test a new course. Variable title.

BUS 4099 Undergraduate Research (IND 0.0-6.0)
Designed for the undergraduate student who wishes to engage in research. Not for graduate credit. Not more than six credit hours allowed for graduation credit. Subject and credit to be arranged with the instructor.

BUS 4675 International Business (LEC 3.0)
This survey course will deal with business concepts, analytical processes and philosophical bases for international business operations. Emphasis is on environmental dynamics, multinational business organizations, cultural and economic constraints, unique international business practices and international operations, strategy and policy.
BUS 4970 Senior Business Design I (LEC 1.0)
In this course, students will become familiar with the principles of entrepreneurship; learn about the basic purpose, content and structure of business plans; and develop business presentation skills through practice. At the end of the semester, student teams will give presentations to a bank in an attempt to secure a loan to run the business the following semester. Prerequisite: Senior Standing.

BUS 4980 Senior Business Design II (LEC 2.0)
In this course, students will be expected to carry out the business plans created in Bus 4970. Progress reports are submitted roughly every 3 weeks during the semester. At the end of the semester, students terminate the business organization and profits are donated to a nonprofit organization in the team’s name. Prerequisite: Bus 4970.

BUS 5000 Special Problems (IND 0.0-6.0)
Problems or readings on specific subjects or projects in the department. Prerequisite: Admission to the MBA program.

BUS 5001 Special Topics (LEC 0.0-6.0)
This is designed to give the department an opportunity to test a new course. Variable title.

BUS 5040 Oral Examination (IND 0.0)
After completion of all other requirements, oral examinations for on-campus M.B.A./Ph.D. students may be processed during intersession. Off-campus M.B.A. students must be enrolled in oral examination and must have paid an oral examination fee at the time defense/oral examination (oral/written). All other students must enroll for credit commensurate with uses made of facilities and/or faculties. In no case shall this be for less than three (3) semester hours for resident students.

BUS 5080 Practicum (IND 0.0-6.0)
This course is similar to the Bus 5085 Internship course. The difference is that this course is intended for students who are already employed by an organization for whom they wish to continue working. Prerequisite: Bus Core.

BUS 5085 Internship (IND 0.0-6.0)
Students apply critical thinking skills and discipline specific knowledge in a work setting based on a project designed by the advisor and employer. Activities will vary depending on the student’s background and the setting. Requires major report and formal presentation to sponsoring organization. Prerequisite: Graduate standing.

BUS 5099 Research (IND 0.0-9.0)
Research investigation of an advanced nature leading to a major report suitable for publication in a journal or in a conference proceedings. Prerequisite: Permission of the instructor.

BUS 5105 Graduate Management and Business Law Essentials (LEC 1.5)
This course is an introduction to the essentials of management and business law for running a business. It’s designed for students planning to enter the MBA program who need this area and for non-business students who want some business background. Credit cannot be applied to any major or minor in Business, IS&T, or Economics. Additional case study or report required. Prerequisite: Bachelor Degree.

BUS 5111 Business Negotiations (LEC 3.0)
The purpose of this course is to understand the practices and processes of negotiation for negotiating successfully in a variety of settings. The course is designed to be relevant to the broad spectrum of negotiation problems faced by managers, consultants, etc. Because almost everyone negotiates all the time, this course is relevant to almost any student. Prerequisites: Junior standing or above.

BUS 5115 Introduction to Individual and Group Dynamics in Business (LEC 3.0)
This course will cover contemporary theories of business leadership styles and group dynamics. Leadership theories, group dysfunction/function, positive group interactions, change impacts, the importance of business ethics as well as the role of gender and culture on the group will be examined.

BUS 5150 Customer Focus and Satisfaction (LEC 3.0)
Major emphasis is given to the concept of customer focus, with coverage of techniques for obtaining customer needs, measuring customer satisfaction, developing products and services to satisfy customers, and maximizing the benefits of customer feedback. A semester long HoQ project will be done. Prerequisites: Mkt 3110 or Mkt 3105 or Eng Mgt 3510. (Co-listed MKT 5150).

BUS 5205 Graduate Accounting Essentials (LEC 1.5)
This course is an introduction to the essentials of financial and managerial accounting for running a business. It’s designed for students planning to enter the MBA program who need this area and for non-business students who want some business background. Credit cannot be applied to any major or minor in Business, IS&T, or Economics. Additional case or report required. Prerequisite: Bachelor Degree.

BUS 5230 Financial Statement Analysis (LEC 3.0)
Analysis and interpretation of financial statements for profitability analysis, credit analysis, and other business analyses that rely on financial data. Introduces emerging roles of accounting analytics. Illustrates data analytics concepts and techniques to detect earning management, predict fraud, and to provide insights into other business strategies. Prerequisite: BUS 1210 or graduate standing and financial accounting knowledge.

BUS 5305 Graduate Operations Management Essentials (LEC 1.5)
This course is an introduction to the essentials of operations management for running a business. It is designed for students planning to enter the MBA program who need this area and for non-business students who want some business background. Credit cannot be applied to any major or minor in Business, IS&T, or Economics. Additional case study or report required. Prerequisite: Bachelor Degree.

BUS 5360 Business Operations (LEC 3.0)
This course examines the concepts, processes, and institutions that are fundamental to an understanding of business operations within organizations. Emphasis is on the management and organization of manufacturing and service operations and the application of quantitative methods to the solution of strategic, tactical and operational problems. Prerequisites: BUS 1210 or ENG MGT 2211; at least Junior standing; and one of the following: STAT 1111, STAT 1115, STAT 3111, STAT 3113, STAT 3115, or STAT 3117.
BUS 5470 Human Resource Management (LEC 3.0)
The course examines employee selection, performance appraisal, training and development, compensation, legal issues, and labor relations. Prerequisite: Bus 1110.

BUS 5580 Strategic Management (LEC 3.0)
Study of the formulation and implementation of corporative, business and functional strategies designed to achieve organizational objectives. Case studies and research reports may be used extensively. Prerequisites: MKT 3110 or Eng Mgt 3510; Finance 2150 or Eng Mgt 3200; Senior standing.

BUS 5705 Graduate Management Information Systems Essentials (LEC 1.5)
This course is an introduction to the essentials of management information systems for running a business. It is designed for students planning to enter the MBA program. Credit in this course cannot be applied to any major or minor in Business, IS&T, or Economics. Additional case or report required. Prerequisite: Bachelor Degree.

BUS 5730 Machine Learning and Artificial Intelligence for Business (LEC 3.0)
Explores various approaches to machine learning and artificial intelligence, along with their numerous applications in business. Describes some of the many technological approaches to business problems that are considered part of machine learning and artificial intelligence, such as neural networks and deep learning. Prerequisites: IS&T 1750; or Graduate Standing, understanding of management information systems.

BUS 5805 Graduate Mathematics and Statistics Essentials (LEC 1.5)
This course is an introduction to the essentials of mathematics and statistics for running a business. It is designed for students planning to enter the MBA program who need this area and for non-business students who want some business background. Credit cannot be applied to any major or minor in Business, IS&T, or Economics. Additional case study or report required. Prerequisite: Bachelor Degree.

BUS 5896 Project Research (IND 0.0-9.0)
The research project will involve students applying research techniques and discipline specific knowledge working on a project designed by the advisor, often working with a business organization. Requires major report and formal presentation to sponsoring organization. Prerequisite: Permission of the instructor.

BUS 5910 Privacy and Information Security (LEC 3.0)
Explores issues concerning the use, disclosure, and protection of information (personal, organizational, health, and financial) from a legal perspective. A focus on understanding, planning, protecting, and responding to data breaches and other information risk and threats. Case studies based on litigation are reviewed and analyzed. Assumes MIS familiarity.

BUS 5980 Business Models for Entrepreneurship and Innovation (LEC 3.0)
This course uses problem based learning to expand student insight into the nature, development, and application of business models. It increases the practical skills and knowledge required to generate original models of value creation for both entrepreneurial start-ups and corporate innovation. Prerequisite: Senior or graduate standing.