INFORMATION TECHNOLOGY MANAGEMENT, B.S.

The information technology management (ITM) major offered by Saint Louis University's Richard A. Chaifetz School of Business (https://www.slu.edu/business) is designed to prepare business students for careers as information systems professionals.

The Chaifetz School's program is a member of the Oracle Academic Initiative, the Microsoft Academic Alliance and the IBM Scholars Program. ITM courses require extensive hands-on projects, teamwork and the use of high-end computer technology. Course topics include database management, systems analysis and design, data networking, graphical user interface, website design and computer security.

The Chaifetz School is also a member of the SAP University Alliance. As a member of the SAP University Alliance, the school is the only business school in the St. Louis area to offer SAP certification, providing students hands-on experience with SAP software that allows them to put classroom theory into practice.

Curriculum Overview

SLU's ITM major is designed to prepare business students for careers as information systems professionals. The program of study focuses on educating students about the development and use of information systems as decision-making and problem-solving tools in a business environment. Students develop the technical skills and organizational insights required to analyze, design, implement and manage information systems with an emphasis on the application of web-based and object-oriented information technologies. Courses require extensive hands-on projects, teamwork and use of high-end computer technology.

Internships/Student Organizations

Students in the ITM program are strongly encouraged to gain practical, career-related work experience through an internship or co-op. TechInterns, a special internship program, is a student-managed internship program that provides an opportunity for students to work in a variety of tech support roles throughout the University while receiving ongoing training in personal and professional development. Recent ITM students have participated in internships at:

- AT&T
- Anheuser-Busch
- Boeing
- Edward Jones
- MasterCard
- Monsanto
- Wells Fargo

Careers

Graduates join a global network of nearly 20,000 alumni from the Richard A. Chaifetz School of Business. Having careers in fields, such as:

- Systems analysts
- Systems designers
- Web developers

When combined with a second major in accounting, finance, management or marketing, additional opportunities exist for technology analyst positions within these other business areas. All students in the program will learn and develop a strong set of skills in problem-solving, information utilization and business communication that will serve as a base for many different long-range career paths in areas as diverse as health care, law and government service.

Admission Requirements

Freshman

Begin your application for this program at www.slu.edu/apply. Saint Louis University also accepts the Common App.

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs. To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer

Begin your application for this program at www.slu.edu/apply.

Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

Transfer students must have a cumulative 2.70 GPA to be admitted to the accounting program and a 2.50 GPA for all other majors. In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

International Applicants

Begin your application for this program at www.slu.edu/apply.

All admission policies and requirements for domestic students apply to international students along with the following:

- Demonstrate English Language Proficiency (https://catalog.slu.edu/academic-policies/office-admission/undergraduate/english-language-proficiency)
- Proof of financial support must include:
  - A letter of financial support from the person(s) or sponsoring agency funding the time at Saint Louis University
  - A letter from the sponsor's bank verifying that the funds are available and will be so for the duration of study at the University
  - Academic records, in English translation, of students who have undertaken postsecondary studies outside the United States must
Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:

• Scholarships: awarded based on academic achievement, service, leadership and financial need.
• Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at https://finaid.slu.edu.

Accreditation

The Richard A. Chaifetz School of Business is accredited by AACSB, the Association to Advance Collegiate Schools of Business, the world’s largest business education alliance and accrediting body of business schools, ensuring continuous quality improvement in terms of curriculum, instructional resources, student selection, career placement and intellectual contributions and qualifications of the faculty. Less than 10% of business schools worldwide have achieved AACSB accreditation.

Learning Outcomes

1. Graduates will be able to understand essential business concepts and how the various functional areas of business are related.
2. Graduates will be able to demonstrate knowledge of ethical concepts and corporate social responsibility and be able to evaluate business problems from multiple ethical perspectives.
3. Graduates will be able to identify and structure business problems and propose actionable solutions to business problems and when applicable utilizing appropriate technology.
4. Graduates will be able to demonstrate effective written communication.
5. Graduates will be able to understand how cultures, politics, laws, ethics, and economies influence and impact business and use tools and concepts to analyze and formulate an international business strategy.
6. Graduates will be able to understand the use of information technology in managing businesses.
7. Graduates will be able to be familiar with the fundamentals of information technology systems and applications.
8. Graduates will be able to have the ability to use enterprise systems to integrate business functions.

Requirements

Eighteen (18) credits in addition to ITM 2000 Information Technology with Supply Chains (0.3 cr), which is taken as a business CBK requirement. (All courses are three credits.)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Common Body of Knowledge (CBK) (p. 3)</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>Arts and Sciences Core Requirements (p. 3)</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Information Technology Management Courses †</td>
<td></td>
<td></td>
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<tr>
<td>ITM 3100 Enterprise Applications Development</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ITM 3300 Database Management Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ITM 4100 Systems Analysis &amp; Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Information Technology Management Electives</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Select three of the following:</td>
<td></td>
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<tr>
<td>ITM 3450 Web Site Design and Development</td>
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<td>ITM 3500 Information Security Management</td>
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<td>ITM 3550 Introduction to “Big Data”</td>
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<tr>
<td>ITM 3700 Business Analytics</td>
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<td>ITM 3800 Project Management</td>
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<tr>
<td>ITM 3900 Applied Enterprise Systems Implementation</td>
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<tr>
<td>ITM 4700 Business Data Mining</td>
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<tr>
<td>ITM 4900 Enterprise Systems Practicum</td>
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<tr>
<td>ITM 4910 Information Technology Management Internship</td>
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<tr>
<td>ACCT 4250 Accounting Information Systems ‡</td>
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</tbody>
</table>

Total Credits: 120

* A course may not be used to fulfill requirements in two majors/minors, i.e. ACCT 4250 Accounting Information Systems (3 cr) may be used in either the Information Technology Management major/minor or the Accounting major/minor but not both.
† In addition to completing lower and upper division coursework in all areas of business, each student typically selects a business major before or during the first semester of the junior year. Required credits vary between 15-21 credits and are determined by the appropriate department. To broaden their expertise, students may complete more than one major in business, or a major and a minor in business. However, where courses overlap between two business majors, the course may be counted only once and credited to one functional area, i.e. Sports Marketing may be used in either the Marketing major or the Sports Business major but not both.
‡ Electives may be selected from any area of study within the University, giving the student the opportunity to diversify his/her background.

Continuation Standards

Information Technology Management students must maintain a 2.00 cumulative GPA in all courses used to fulfill the major.

Students will be on program probation if the GPA in major courses used to fulfill major requirements falls below a 2.00. Students will have one semester to increase their major or minor cumulative GPA to a 2.00; if not, students will not be allowed to register for 3000 or 4000 level major courses.

Students whose cumulative grade point average falls below 2.00 are required to apply for probationary status, which allows for no more than two consecutive semesters to improve scholarly and to demonstrate the ability to make progress toward a degree.

During the probationary period, advisors help students achieve academic success by closely monitoring their academic performance. Students
on probation may not register for more than 15 credits of coursework as defined by the terms of the probation.

The conditions under which a student is dismissed from the school include:

1. inability to eliminate probationary status within the two semesters subsequent to the assignment of probation or
2. a total grade point deficit of more than 15 points.

For more information, see section under University Academic Policies and Procedures.

### Business Common Body of Knowledge (CBK)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ACCT 2200</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2220</td>
<td>Accounting for Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>BIZ 1000/1001</td>
<td>Business Foundations</td>
<td>1</td>
</tr>
<tr>
<td>BIZ 1002</td>
<td>Business Foundations Excel Lab</td>
<td>0</td>
</tr>
<tr>
<td>BIZ 3000</td>
<td>Career Foundations</td>
<td>1</td>
</tr>
<tr>
<td>BIZ 4000</td>
<td>Business Capstone ¹</td>
<td>1</td>
</tr>
<tr>
<td>ECON 1900</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3120</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3140</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3010</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>IB 2000</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
<tr>
<td>ITM 2000</td>
<td>Information Technology with Supply Chains</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2000</td>
<td>Legal Environment of Business I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3000</td>
<td>Management Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>MGT 4000</td>
<td>Strategic Management and Policy ¹</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3000</td>
<td>Introduction to Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>OPM 2070</td>
<td>Introduction to Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>OPM 3050</td>
<td>Introduction to Management Science and Operations Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 45

¹ All other Business CBK courses must be completed prior to taking BIZ 4000 Business Capstone (1 cr) and MGT 4000 Strategic Management and Policy (3 cr).

### Arts and Sciences Core Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 1900</td>
<td>Advanced Strategies Of Rhetoric and Research ²</td>
<td>3</td>
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Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 2250</td>
<td>Conflict, Social Justice and Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2350</td>
<td>Faith, Doubt and Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 2450</td>
<td>Nature, Ecology &amp; Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 2550</td>
<td>Gender, Identity &amp; Literature</td>
<td></td>
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<tr>
<td>ENGL 2650</td>
<td>Technology, Media &amp; Literature</td>
<td></td>
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<tr>
<td>ENGL 2750</td>
<td>Film, Culture and Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 2850</td>
<td>Nation, Identity and Literature</td>
<td></td>
</tr>
</tbody>
</table>

Foreign Language Literature

Select one of the following: ³ 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 4000</td>
<td>Business and Professional Writing (strongly recommended)</td>
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</table>

English Literature

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CMM 1200</td>
<td>Public Speaking ²</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1110</td>
<td>Origins of the Modern World to 1500</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 1120</td>
<td>Origins of the Modern World, 1500 to Present</td>
<td>3</td>
</tr>
<tr>
<td>PSY 1010</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two additional courses from the following: 6

- African American Studies
- American Studies
- History
- Political Science
- Psychology
- Sociology

Women’s and Gender Studies

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1200</td>
<td>College Algebra ⁴</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1320</td>
<td>Survey of Calculus ²</td>
<td>3</td>
</tr>
</tbody>
</table>

Natural Science course 3

One additional Math or Natural Science course ⁵ 3

Philosophy

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 1050</td>
<td>Introduction to Philosophy: Self and Reality</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2050</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>THEO 1000</td>
<td>Theological Foundations</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2xxx</td>
<td>Theology course</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 48

² Must be completed by the end of the sophomore year in order to enroll in business courses junior year. MATH 1510 Calculus I (4 cr) or higher-level calculus course may be substituted for MATH 1320 Survey of Calculus (3 cr).

³ Upper division foreign language may be substituted; however, students for whom English is a second language may not complete this requirement in their native language.

⁴ Students who place out of MATH 1200 College Algebra (0.3 cr) (based on a Math Index score) must replace it with another approved math course.

⁵ MATH course must be approved.

### Graduation Requirements

To be certified for graduation, a student must complete all course requirements and meet all of the following conditions:

- apply to graduate;
- earn a minimum 2.00 cumulative GPA in all SLU coursework;
- Accounting students must earn a minimum 2.70 cumulative grade point average (GPA) in all SLU coursework and earn grades of “C” or higher in all courses that fulfill the major requirements; for all other majors, students must earn a minimum 2.00 cumulative GPA in all major courses that fulfill the major requirements;
- earn a minimum 2.00 cumulative GPA in all business coursework taken at Saint Louis University;
- complete the Arts and Sciences core as specified in the business school curriculum;
- complete 30 of the final 36 credits at the St. Louis campus or an approved Study Abroad program;*
- complete at least 50% of business coursework in residence at the St. Louis campus;*
- complete major course requirements in residence at the St. Louis campus;*
Students transferring from the Madrid campus must complete a minimum of 40 credits of coursework, including a minimum of 30 credits of business coursework in residence at the St. Louis campus.

* Students may also complete the Economics, International Business, and Marketing majors on the Madrid campus. The residency requirement then applies to courses taken at either campus.

**Roadmap**

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Year One</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>BIZ 1000/1002</td>
<td>Business Foundations</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 1900</td>
<td>Advanced Strategies Of Rhetoric and Research 1</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Sciences Core 2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Arts &amp; Sciences Core 2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Arts &amp; Sciences Core 2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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<td>16</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1320 or MATH 1510</td>
<td>Survey of Calculus 1 or Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1900</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>OPM 2070</td>
<td>Introduction to Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CMM 1200</td>
<td>Public Speaking 1</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Sciences Core 2</td>
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<tr>
<td><strong>Credits</strong></td>
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<td>15</td>
</tr>
<tr>
<td><strong>Year Two</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>ACCT 2200</td>
<td>Financial Accounting</td>
<td>3</td>
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<tr>
<td>ITM 2000</td>
<td>Information Technology with Supply Chains</td>
<td>3</td>
</tr>
<tr>
<td>IB 2000</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Sciences Core</td>
<td>3</td>
<td></td>
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<tr>
<td>Arts &amp; Sciences Core 2</td>
<td>3</td>
<td></td>
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<tr>
<td>Arts &amp; Sciences Core 2</td>
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<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major: ITM Elective 3</td>
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<td>3</td>
</tr>
<tr>
<td>ACCT 2220</td>
<td>Accounting for Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>BIZ 3000</td>
<td>Career Foundations 4</td>
<td>1</td>
</tr>
<tr>
<td>ECON 3120 or ECON 3140</td>
<td>Intermediate Macroeconomics or Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MGT 2000</td>
<td>Legal Environment of Business I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>15</td>
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<tr>
<td><strong>Year Three</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>ITM 3300</td>
<td>Database Management Systems (Major)</td>
<td>3</td>
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<tr>
<td>ECON 3120 or ECON 3140</td>
<td>Intermediate Macroeconomics or Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3010</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 3000</td>
<td>Introduction to Marketing Management</td>
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<tr>
<td>Arts &amp; Sciences Core 2</td>
<td>3</td>
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<tr>
<td>Arts &amp; Sciences Core 2</td>
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<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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<td>15</td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>ITM 4100</td>
<td>Systems Analysis &amp; Design (Major)</td>
<td>3</td>
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<tr>
<td>Major: ITM Elective 3</td>
<td></td>
<td>3</td>
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<tr>
<td>OPM 3050</td>
<td>Introduction to Management Science and Operations Management</td>
<td>3</td>
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<tr>
<td>Arts &amp; Sciences Core 2</td>
<td>3</td>
<td></td>
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<td>Arts &amp; Sciences Core 2</td>
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<td><strong>Credits</strong></td>
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<td><strong>Year Four</strong></td>
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<td><strong>Fall</strong></td>
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<tr>
<td>ITM 3100</td>
<td>Enterprise Applications Development (Major)</td>
<td>3</td>
</tr>
<tr>
<td>MGT 3000</td>
<td>Management Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>Arts &amp; Sciences Core 2</td>
<td>3</td>
<td></td>
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<td>Arts &amp; Sciences Core 2</td>
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<tr>
<td>Elective</td>
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<tr>
<td><strong>Credits</strong></td>
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<td>15</td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>Major: ITM Elective 3</td>
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<tr>
<td>MGT 4000</td>
<td>Strategic Management and Policy 5</td>
<td>3</td>
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<tr>
<td>BIZ 4000</td>
<td>Business Capstone 5</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
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<td>Elective</td>
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<tr>
<td><strong>Credits</strong></td>
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<td><strong>Total Credits</strong></td>
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<td>120</td>
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1. Must have completed by end of sophomore year
2. See list of A&S core required for business students
3. See list of ITM electives
4. Must take 2nd semester sophomore year unless studying abroad
5. Must have completed all other Business Common Body of Knowledge courses