BS in Information Systems (322629) MAP Sheet
Business, Information Systems
For students entering the degree program during the 2017-2018 curricular year.
This is a limited enrollment program requiring departmental acceptance. Please see the college advisement center for information regarding requirements for application to this major.

<table>
<thead>
<tr>
<th>University Core and Graduation Requirements</th>
<th>Suggested Sequence of Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>University Core Requirements:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Requirements</strong></td>
<td><strong>Suggested Sequence of Courses</strong></td>
</tr>
<tr>
<td>#Classes</td>
<td>Hours</td>
</tr>
<tr>
<td>Religion Cornerstones</td>
<td></td>
</tr>
<tr>
<td>Teachings and Doctrine of The Book of Mormon</td>
<td>2.0  REL A 275</td>
</tr>
<tr>
<td>Jesus Christ and the Everlasting Gospel</td>
<td>2.0  REL A 250</td>
</tr>
<tr>
<td>Foundations of the Restoration</td>
<td>2.0  REL C 225</td>
</tr>
<tr>
<td>The Eternal Family</td>
<td>2.0  REL C 200</td>
</tr>
<tr>
<td>Wagenel and Family</td>
<td></td>
</tr>
<tr>
<td>The Individual and Society</td>
<td></td>
</tr>
<tr>
<td>American Heritage</td>
<td></td>
</tr>
<tr>
<td>Global and Cultural Awareness</td>
<td></td>
</tr>
<tr>
<td>Skills</td>
<td></td>
</tr>
<tr>
<td>First Year Writing</td>
<td></td>
</tr>
<tr>
<td>Advanced Written and Oral Communications</td>
<td></td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td></td>
</tr>
<tr>
<td>Languages of Learning (Math or Language)</td>
<td></td>
</tr>
<tr>
<td>Arts, Letters, and Sciences</td>
<td></td>
</tr>
<tr>
<td>Civilization 1</td>
<td></td>
</tr>
<tr>
<td>Civilization 2</td>
<td></td>
</tr>
<tr>
<td>Arts</td>
<td></td>
</tr>
<tr>
<td>Letters</td>
<td></td>
</tr>
<tr>
<td>Biological Science</td>
<td></td>
</tr>
<tr>
<td>Physical Science</td>
<td></td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>Core Enrichment: Electives</td>
<td></td>
</tr>
<tr>
<td>Religion Electives</td>
<td></td>
</tr>
<tr>
<td>Open Electives</td>
<td></td>
</tr>
<tr>
<td>FOR UNIVERSITY CORE AND PROGRAM QUESTIONS CONTACT THE ADVICE CENTER IN 460 THR</td>
<td></td>
</tr>
<tr>
<td>*THESE CLASSES FILL BOTH GENERAL EDUCATION AND PROGRAM REQUIREMENTS (9–10 hours overlap)</td>
<td></td>
</tr>
</tbody>
</table>

**Graduation Requirements:**
- Minimum residence hours required: 30.0
- Minimum hours needed to graduate: 120.0

**Note:** The sequence of courses suggested may not fit the circumstances of every student. Students should contact their advisement center for help in outlining an efficient schedule.

Note: This major requires a minimum of 120 hours for graduation. Students are encouraged to complete an average of 15–16 credit hours each semester or 30–31 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.
BS in Information Systems (322629)
2017-2018 Program Requirements (64 Credit Hours)

REQUIREMENT 1 Complete 2 options
PREREQUISITE COURSES: THESE COURSES ARE USED IN DETERMINING
ADMISSION TO THE UNDERGRADUATE INFORMATION SYSTEMS PROGRAM.

OPTION 1.1 Complete 4 courses
ACC 200 - Principles of Accounting 3.0
BUS M 241 - Marketing Management 3.0
FIN 201 - Principles of Finance 3.0
IS 201 - Introduction to Management Information Systems 3.0

OPTION 1.2 Complete 1 course
C S 142 - Introduction to Computer Programming 3.0
IS 303 - Introduction to Computer Programming 3.0

Apply and be formally accepted into the program.

REQUIREMENT 2 Complete 4 courses
NOTE: IT IS RECOMMENDED THAT ECON 110 AND M COM 320 BE TAKEN BEFORE ENTERING THE JUNIOR CORE. ECON 110, M COM 320 AND STAT 121 MUST BE COMPLETED BEFORE STARTING THE MISM PROGRAM, OR DURING THE FIRST SEMESTER IN THE MISM.

*ECON 110 - Economic Principles and Problems 3.0
*IS 110 - Spreadsheet Skills and Business Analysis 1.0
*M COM 320 - Communication in Organizational Settings 3.0
*STAT 121 - Principles of Statistics 3.0

REQUIREMENT 3 Complete 4 courses
INFORMATION SYSTEMS JUNIOR CORE 1 COURSES (TAUGHT FALL SEMESTER ONLY):
IS 401 - Systems Analysis 3.0
IS 402 - Database Systems 3.0
IS 403 - Principles of Business Programming 3.0
IS 414 - Business Processes and Controls 3.0

REQUIREMENT 4 Complete 4 courses
INFORMATION SYSTEMS JUNIOR CORE 2 COURSES (TAUGHT WINTER SEMESTER ONLY):
IS 404 - Data Communications 3.0
IS 405 - Information Systems Project Management 3.0
IS 411 - Systems Design and Implementation 3.0
IS 413 - Enterprise Application Development 3.0

REQUIREMENT 5 Complete 1 course
COMPLETE THE FOLLOWING IN THE FALL SEMESTER IMMEDIATELY FOLLOWING THE IS CORE:
IS 415 - Machine Learning and Information Visualization Capstone 3.0

REQUIREMENT 6 Complete 5 courses
MANAGEMENT CORE COURSES:
BUS M 200 - Introduction to Global Supply Chain Management 1.5
BUS M 300 - Introduction to Operations Management 1.5
BUS M 390 - Ethics for Management 3.0
BUS M 498 - Strategy and Organization 3.0
ORG B 321 - Organizational Effectiveness 3.0

REQUIREMENT 7 Complete Marriott School exit survey online.

RECOMMENDED
ACC 241 - Business Law in the Environment 3.0
MATH 118 - Finite Mathematics 3.0

THE DISCIPLINE
Courses are designed to create opportunities for students to develop and apply their analytical and decisionmaking abilities. For this reason, Marriott School programs make extensive use of faculty expertise, case studies, student projects, and internships.

Computer-based information systems have become a critical part of the products, services, operations, and management of all organizations. The effective and efficient use of information and communications technologies is an important element in achieving competitive advantage for business organizations as well as achieving excellence in service for government and nonprofit organizations. The twenty-first century has seen the rapid growth of the Internet, eCommerce, and purely electronic enterprises.

These organizations would not even exist without the technology provided by computer-based information systems. The importance of information systems to organizations and the need for well-educated professionals in the field is the basis for strong educational programs and the development of a professional community of information systems (IS) practitioners.

Information systems involves two broad areas:
(1) the acquisition, deployment, and management of an organization’s information systems resources and services; and
(2) the development of computer based systems and technology infrastructures for use in organization processes.

CAREER OPPORTUNITIES
Information systems graduates work in large and small organizations of all types, helping maintain existing technology infrastructure and specifying technology solutions to business needs. They serve as the bridge between an organization’s technical personnel and its business side. Well educated information systems graduates are in high demand in accounting firms, technical companies, government agencies, and smaller entrepreneurial concerns. Challenging career opportunities embrace a wide range of interests. The variety of employment prospects includes opportunities for those who are primarily interested in people and organizations to those who enjoy very technical activities such as database and network administration or software development.

GENERAL INFORMATION
Students are encouraged to apply to the Marriott School of Business at the end of their sophomore year, as soon as they have completed the prerequisite courses.

Marriott School majors are limited-enrollment programs and the application process is competitive. For assistance in preparing for the application process, it is highly recommended that students visit the Marriott School Advisement Center.

REQUIREMENTS FOR APPLICATION
All new students entering the Marriott School commence their study at the beginning of Fall semester. Admission into the Marriott School is based on consideration of the following:
• Prerequisite GPA
• 500 word essay
• Resume
• A review of the overall academic record

Prerequisite courses must be completed before the application deadline. Any application with a prerequisite GPA below a 3.
0 will not be considered. When prerequisite GPA is calculated, repeated or transferred courses will be discounted. See the Marriott School Advisement Center for more information.

TRANSFER INFORMATION

Transfer equivalencies for the following courses will not be considered: Fin 201, IS 201, IS 303 or CS 142, and M Com 320.

BS INFORMATION SYSTEMS, CONCURRENT WITH MISM

The MISM program has a five-year integrated option for BYU students in the undergraduate information systems program, as well as an option for students who have already completed a bachelor's degree. The first year of the undergraduate program must be completed with a minimum 3.0 GPA to be eligible to apply for admission into the Master of Information Systems Management program.

Meeting the minimum requirements does not guarantee admission.

MAP DISCLAIMER

While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

ADVISEMENT CENTER INFORMATION

Marriott School of Business Advisement Center
Brigham Young University
460 Tanner Building
Provo, UT 84602
(801) 422-4285
management@byu.edu