



BS in INFORMATION SYSTEMS (322629) MAP Sheet

Department of Information Systems

Marriott School of Management

For students entering the degree program during the 2016–2017 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.

UNIVERSITY CORE AND GRADUATION REQUIREMENTS				PROGRAM REQUIREMENTS (64 total hours)		
UNIVERSITY CORE REQUIREMENTS				Demonstrate a knowledge of computer skills.		
				Students may demonstrate spreadsheet skills with either a minimum grade of B in an equivalent transfer course or a passing grade in the following:		
<u>Requirements</u>	<u>#Classes</u>	<u>Hours</u>	<u>Classes</u>	IS 110 Spreadsheet Skills & Bus Analysis	1.0	
Religion Cornerstones				Complete the following prerequisite courses:		
Teachings and Doctrine, Book of Mormon	1	2.0	Rel A 275	Acc 200 Principles of Accounting	3.0	
Jesus Christ & the Everlasting Gospel	1	2.0	Rel A 250	Bus M 241 Marketing Management	3.0	
Foundations of the Restoration	1	2.0	Rel C 225	Fin 201 Principles of Finance	3.0	
The Eternal Family	1	2.0	Rel C 200	IS 201 Intro to Management Info. Systems	3.0	
The Individual and Society				IS 303 Introduction to Computer Programming	3.0	
Citizenship				Apply and be formally accepted into the program.		
American Heritage	1–2	3–6.0	from approved list	The prerequisite courses must be completed with at least a 3.0 GPA, with no more than one repeat for each class. Not every student meeting the minimum requirement is guaranteed acceptance into the undergraduate program.		
Global & Cultural Awareness	1	3.0	from approved list			
Skills						
Effective Communication						
First-Year Writing	1	3.0	from approved list			
Adv Written & Oral Communication	1	3.0	M Com 320*			
Quantitative Reasoning	0–1	0–3.0	from approved list			
Languages of Learning (Math or Language)	1	3.0	Stat 121 recommended			
Arts, Letters, and Sciences						
Civilization 1 and 2	2	6.0	from approved list			
Arts	1	3.0	from approved list			
Letters	1	3.0	from approved list			
Scientific Principles & Reasoning						
Biological Science	1	3.0	from approved list			
Physical Science	1–2	3–7.0	from approved list			
Social Science	1	3.0	Econ 110*			
Core Enrichment: Electives						
Religion Electives	3–4	6.0	from approved list			
Open Electives	Variable	Variable	personal choice			
GRADUATION REQUIREMENTS:						
Minimum residence hours required		30.0				
Minimum hours needed to graduate		120.0				
				Complete the following required courses:		
				Econ 110* Economic Principles and Problems	3.0	
				M Com 320* Comm in Organizational Settings	3.0	
				Stat 121 Principles of Statistics	3.0	
				Note: It is recommended that Econ 110 and M Com 320 be taken before entering the junior core, and must be completed before starting the Management 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 program.		
				Complete the following 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	
				Complete the following 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	
				Complete the following in the Fall semester immediately following the IS Core:		
				IS 415 Information Systems Capstone Project	3.0	
				Complete the following Integrated Management Core courses:		
				Bus M 361 Intro to Supply Chain & Operations	3.0	
				Bus M 390 Ethics for Management	3.0	
				Org B 321 Organizational Effectiveness	3.0	
				Complete the following after IS 401, 402, 403, 404, 411, 413, 414, 415:		
				Bus M 498 Strategic Management	3.0	
				Complete the Marriott School exit survey online.		
				Recommended:		
				Acc 241 Business Law in the Environment	3.0	
				Math 118 Finite Mathematics	3.0	

FOR UNIVERSITY CORE AND PROGRAM QUESTIONS CONTACT THE ADVISEMENT CENTER IN 460 TNRB
 *THESE CLASSES FILL BOTH GENERAL EDUCATION AND PROGRAM REQUIREMENTS (9–10 hours overlap)

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2016–2017

Suggested Sequence of Courses**

FRESHMAN YEAR

Semester 1 (Fall)

First-year Writing or A Htg 100	3.0
Bus M 180	0.5
Religion Cornerstone course	2.0
General Education courses	9.0
Total Hours	14.5

Semester 2 (Winter)

First-Year Writing or A Htg 100	3.0
Acc 200	3.0
Bus M 241	3.0
IS 110(FWSp)	1.0
Religion Cornerstone course	2.0
General Education courses	3.0
Total Hours	15.0

SOPHOMORE YEAR

Semester 3 (Fall)

Econ 110	3.0
IS 201 (FWSpSu)	3.0
Fin 201	3.0
Religion Cornerstone course	2.0
General Education courses	6.0
Total Hours	17.0

Semester 4 (Winter)

Stat 121	3.0
IS 303 (FWSp)	3.0
M Com 320 (FWSpSu)	3.0
Religion Cornerstone course	2.0
General Education courses	6.0
Total Hours	17.0

Most applicants apply to the Marriott School the summer before their junior year.

Deadline to apply for Fall is the last working day of Jun by 4:30 pm. Each program starts at the beginning of a new academic year.

****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.

JUNIOR YEAR

Semester 5 (Fall)

IS 401 (F)	3.0
IS 402 (F)	3.0
IS 403 (F)	3.0
IS 414 (F)	3.0
Religion Elective	2.0
Total Hours	14.0

Semester 6 (Winter)

IS 404 (W)	3.0
IS 405 (W)	3.0
IS 411 (W)	3.0
IS 413 (W)	3.0
Religion Elective	2.0
Total Hours	14.0

SENIOR YEAR

Semester 7 (Fall)

Bus M 361 (FW)	3.0
Bus M 390 (FW)	3.0
Org B 321 (FW)	3.0
IS 415 (F)	3.0
Religion Elective	2.0
Total Hours	14.0

Semester 8 (Winter)

Bus M 498 (W)	3.0
General Education courses, and/or general electives	12.0
Total Hours	15.0

THE DISCIPLINE:

Courses are designed to create opportunities for students to develop and apply their analytical and decision-making 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 non-profit 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. Information systems professionals provide services ranging from the managerial to the highly technical. Information systems and technology skills are critical to the success of virtually all modern organizations, including small business, corporations, government, and educational institutions.

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 Management before their junior 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:

- GPA in prerequisite courses
- 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:

No more than 12 credit hours of upper-division transfer credit will be accepted toward the major, and only 6 hours beyond the management core. Transfer equivalencies for the following courses will not be considered: IS 201, IS 303, 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.

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