



# B.S. in Information Systems

ISBS.2017 (mrs 1265)

68-67 credits

Effective Date: 09/2017

<b>Name of Student:</b>		
<b>Student ID #:</b>		Graduation Date
<b>Home Country:</b>	<input type="checkbox"/> IWORK	
<b>Advisor:</b>	Name	Date

## Required courses for admission to the major 18 Credits

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
CIS 101	Beginning Programming	3		F,W,S		
CIS 200	Fundamentals of Information Systems and Technology	3		F,W,S		
CIS 202	Object-Oriented Programming I	3	CIS 101	F,W,S		
IT 224/L	Computer Hardware and Systems Software	3		F,W,S		
IT 240	Fundamentals of Web Design and Technology	3		F,W,S		
IT 280	Computer Networking	3		F,W,S		

To be accepted in to this major, you must pass CIS 200 with a B- or better and all other courses listed above with a C or better. You must also have a cumulative GPA of 2.0 or higher. I understand that **One retake is allowed per class, for up to three classes. Additional retakes require special permission.** I understand that if I exhaust my repeats, I risk the chance of not being able to continue in the major or any other major in the CIS department. Please acknowledge that you understand this policy by signing below.

Academic Advisor \_\_\_\_\_ Date \_\_\_\_\_ Student \_\_\_\_\_ Date \_\_\_\_\_ Accepted into the major: CIS Program Chair \_\_\_\_\_ Date \_\_\_\_\_

## Core Requirements 26 Credits

*Classes marked "MO" are for admitted majors only.*

CIS 205	Discrete Mathematics I	3	CIS 101		F,W,S		
CIS 305	Systems Engineering I	3	CIS 202	MO	F,W		
CIS 405	Systems Engineering II	3	CIS 305, IS 350	MO	W,S		
CIS 470	Ethics in Computer and Information Sciences	2	ENGL 315 or ENGL 316 or equivalent	MO	F,S		
IS 350	Database Management Systems	3	CIS 101	MO	F,W		
IS 400	Information Systems Proficiency	0			F,W,S		
IS 430	Foundations in IT Services, Enterprise Systems, and ERP Skills	3	Jr. or Sr. standing in CIS, BUSM or ACCT	MO	F,W		
IS 450	Advanced Database Topics	3	IS 350	MO	S		
IS 485	Project Management and Practice	3	CIS 405	MO	F,S		
MATH 121	Principles of Statistics (MATH 421 or PSYC 205 may substitute for MATH 121)	3	MATH 107 or 110		F,W,S		

## Advanced Content Area Electives 9-11 Credits

**GROUP 1:** Any additional 400-level courses in CS, IS or IT or by permission. (6 Hours)


**GROUP 2:** Choose one. (3-5 hours). *Note: Many Master's Programs require incoming students to have completed calculus.*

MATH 212	Calculus I	5	College Algebra and Trigonometry experience		F,W,S		
MATH 119	Applied Calculus	4	College Algebra experience		F,W		
CIS 206	Discrete Mathematics II	3	CIS 202, 205		F		

## Fundamental Skills "Minor" in an Environment where IS can be applied 15 Credits

*IS professionals must understand their chosen employment environment and prepare to function effectively in it. Each student must complete at least 15 credits in a cohesive body of course work for such an environment. ACCT 201 is required, select 12 more credit hours from: ACCT 203, ECON 200, ECON 201, ENTR 180, ENTR 283, ENTR 285, ENTR 375R, ENTR 380, ENTR 383, ENTR 385, BUSM 180, BUSM 304, BUSM 308, BUSM 310, BUSM 320, BUSM 342, BUSM 361.*

ACCT 201	Introduction to Financial Accounting	3			F,W,S		

## Total Credits Mapped for Graduation:

1. One D+, D, D- is allowed above. All other credits must be C- or better. \_\_\_\_\_
2. One retake is allowed per class, for up to three classes. Additional retakes require special permission. \_\_\_\_\_
3. A department-approved assessment test must be taken during your last full semester at BYUH, and is recommended annually. \_\_\_\_\_
4. Students may seek one and only one major in either BCIS, CS, IS, or IT. \_\_\_\_\_