



# B.S. in Information Systems

## INFOSYSBS.2009

### 64-67 credits, incl. 6-8 GE credits

Effective Date: 12/21/09

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

### Required courses for admission to the major 18 Credits

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
CIS 100	Fundamentals of Info. Systems & Tech.	3		F,W,S		
CIS 101	Beginning Programming	3		F,W,S		
CIS 202	Object-Oriented Programming I	3	CIS 101, MATH 110 or equivalent	F,W		
IT 224/L	Computer Hardware & Systems	3		F,W		
IT 240	Fundamentals of Web Design & Technology	3		F,W,S		
IT 280/L	Data Comm. Systems and Networks/Lab	3	CIS 101	F,W,S		

To be accepted in to this major, you must pass CIS 100 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: CS Program Chair \_\_\_\_\_ Date \_\_\_\_\_

### Core Requirements 26 Credits

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

CIS 205	Discrete Mathematics I (GenEd)	3	CIS 101, MATH 110 or MATH 106		F,W,S		
CIS 305	Systems Engineering I	3	CIS 205, Co/Prereq: IS 350	MO	F,W		
CIS 401	Web Application Programming	3	CIS 101, IT 240, IS 350 or instructor permission	MO	F,W,S		
CIS 405	Systems Engineering II	3	CIS 305	MO	F,W		
CIS 470	Ethics in Computer & Information Sciences	2	CIS 405 or Senior Standing	MO	F,W,S		
IS 350	Database Management Systems	3	CIS 101	MO	F,W		
IS 400	Information Systems Proficiency	0			F,W,S		
IS 430/L	ITS- Enterprise Resource Planning/Lab	3	IS 330, IS 350, IS 400, IT 224/L, IT 280/L	MO	F		
IS 485	Project Management & Practice	3	CIS 401, CIS 405, IS 400	MO	F,W		
MATH 221	Principles of Statistics I (GenEd)	3	MATH 106 or MATH 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 112	Calculus I (GenEd)	5	MATH 111 or equivalent		F,W		
MATH 119	Applied Calculus (GenEd)	4	MATH 110 experience		F,W		
CIS 206	Discrete Math II	3	CIS 205, CIS 202		F,S		

### 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	Introduction to Financial Accounting	3			F,W,S		
ACCT 203	Introduction to Managerial Accounting	3	ACCT 201, MATH 110 or MATH 106 or equivalent		F,W,S		
ECON 200	Principles of Microeconomics (GenEd)	3	MATH 97 or equivalent		F,W,S		
ECON 201	Principles of Macroeconomics	3	MATH 97 or equivalent		F,W,S		
BUSM 242	Ethics and the Legal Environment of Business	3	Permission		F,W,S		

### Total Credits Mapped for Graduation:

- One D+, D, D- is allowed above. All other credits must be C- or better. \_\_\_\_\_
- One retake is allowed per class, for up to three classes. Additional retakes require special permission. \_\_\_\_\_
- A department-approved assessment test must be taken during your last full semester at BYUH, and is recommended annually. \_\_\_\_\_

*Based on completion of remaining classes as indicated on this MRS, this student is authorized to graduate with this major.*

Dept. Chair (Printed) \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

*The terms of this MRS will be honored by the Department and University within the next 8 years. If courses cease to be offered, options for substitution will be provided.*