

Computer & Information Sciences Department

Undeclared Major

March 2009 · CISUND

Name _____ ID# _____ Graduation Date: _____

The C.I.S. Undeclared is a non-degree granting major in the C.I.S. Department. All new C.I.S. students begin in this major. Once the requirements specified have been completed, a student may apply for admission to one of the three degree programs in the C.I.S. Department. This form is used to apply for admission to a degree program.

CS – Required courses for admission to the CS major (15 hours)

Course#	Title	Cr	Prerequisites	Offered	Sem./Term	Grade
CIS 101	Beginning Programming	3	None	F W Sp 1 st		
CIS 202	Object-Oriented Programming I	3	CIS 101, Math 110	1 st W		
CIS 205	Discrete Mathematics I	3	CIS 101, Math 110	F W Sp 1 st		
CS 210	Computer Organization	3	CIS 101, Math 110	W		
IT 280/L	Data Comm. Systems & Networks / Lab	3	CIS 101	F W Sp 1 st		

IS – Required courses for admission to the IS major (15 hours)

Course#	Title	Cr	Prerequisites	Offered	Sem./Term	Grade
CIS 100	Fundamentals of Info. Systems & Tech.	3	None	F W Sp 1 st		
CIS 101	Beginning Programming	3	None	F W Sp 1 st		
IT 224/L	Computer Hardware & Sys. Software/Lab	3	None	F W		
IT 240	Fund. of Web Design & Technology	3	None	F W Sp 1 st		
IT 280/L	Data Communications / Lab	3	CIS 101	F W Sp 1 st		

IT – Required courses for admission to the IT major (15 hours)

Course#	Title	Cr	Prerequisites	Offered	Sem./Term	Grade
CIS 100	Fundamentals of Info. Systems & Tech.	3	None	F W Sp 1 st		
CIS 101	Beginning Programming	3	None	F W Sp 1 st		
IT 224/L	Computer Hardware & Sys. Software/Lab	3	None	F W		
IT 240	Fund. of Web Design & Technology	3	None	F W Sp 1 st		
IT 280/L	Data Comm. Systems and Networks / Lab	3	CIS 101	F W Sp 1 st		

Academic Advisor & CIS Degree Committee Certification

Student has met the following requirements:

- _____ 1. Cumulative GPA of 2.0 or higher. (Enter GPA _____)
- _____ 2. For BSIS & BSIT: Completed CIS 100 (or IS 110) with a grade of B- or better.
- _____ 3. Received a C or better (not C-) in the courses listed above.
- _____ 4. None of the above courses have been repeated more than once.
- _____ 5. No more than three of the above courses have been repeated.

Revised 3/11/09 hc



B.S. in Information Systems

ISBS.2009 (mrs 826)

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

Effective Date: 12/2009

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

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		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, or CS 301, and IS 350	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	Jr. or Sr. standing in CIS, BUSM or ACCT	MO	F,W		
IS 485	Project Management & Practice	3	CIS 401, CIS 405, IS 400	MO	F,W		
MATH 221	Principles of Statistics I (GenEd) (MATH 321 or PSYCH 205 may substitute for MATH 221)	3			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	MATH 106/110 or higher (not MATH 221) or pass BMQT** or ACT math 22+ or SAT math 500+ AND ACCT 201 w/C- or better AND ACCT 231		F,W,S		
ECON 200	Principles of Microeconomics (GenEd)	3	MATH 110 or Pass BMQT**		F,W,S		
ECON 201	Principles of Macroeconomics	3	ECON 200		F,W,S		
BUSM 242	Ethics and the Legal Environment of Business	3	BUSM 180, ENGL 201		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. _____



B.S. in Information Systems

INFOSYSBS.2009

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

Effective Date: 12/21/09

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

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.



B.S. in Information Technology

INFOTECHBS.2011

69 credits, incl. 3 GE credits

Effective Date: 12/2/09

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

Required courses for admission to the major **15 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	3	CIS 101	F,W,S		
IT 224/L	Computer Hardware & Sys Software/Lab	3	CIS 101	F,W		
IT 240	Fundamentals of Web Design & Technology	3		F,W,S		
IT 280/L	Data Communication & Networks/Lab	3		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 **39 Credits**

Classes marked "MO" are for admitted majors only.

CIS 305	Systems Engineering I	3	CIS 205, Co/Prerequisite: IS 350	MO	F,W		
CIS 401	Web Application Programming	3	CIS 101, IT 240, IS 350 or instructor's permission	MO	F,W,S		
CIS 405	Systems Engineering II	3	CIS 305	MO	F,W		
CIS 470	Ethics in Computer & Information Sciences	3	CIS 405 or Sr. Standing	MO	F,W,S		
CS 210	Computer Organization	3	CIS 101		W		
IS 350	Database Management Systems	3	CIS 101	MO	F,W		
IT 220	Linux Essentials	3	CIS 101		F,W		
IT 420/L	Linux System Administration/Lab	3	IT 220	MO	W,S		
IT 426	Computer Network Services	3	IT 224/L, IT 280/L	MO	F		
IT 440/L	Foundations of HCI/ Lab	3	CIS 305, IS 400, IT 240, MATH 221	MO	W		
IT 480/L	Computer Network Design/Lab	3	IT 280/L	MO	F		
IT 481	Information Assurance & Security	3	IT 280/L	MO	F,S		

Math Requirement **6 Credits**

CIS 205	Discrete Mathematics I (GenEd)	3	CIS 101		F,W,S		
MATH 221	Principles of Statistics I (GenEd)	3	MATH 106 or MATH 110		F,W,S		

Elective Requirements **9 Credits**

9 hours in additional CIS, CS, IS, or IT coursework, or MUSIC 430, or Calculus (MATH 112, 113, 119, 214) with at least six hours at the 400 level.

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. _____

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 _____

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B.S. in Information Technology

INFOTECHBS.2011

69 credits, incl. 3 GE credits

Effective Date: 12/2/09

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

Required courses for admission to the major 15 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	3	CIS 101	F,W,S		
IT 224/L	Computer Hardware & Sys Software/Lab	3	CIS 101	F,W		
IT 240	Fundamentals of Web Design & Technology	3		F,W,S		
IT 280/L	Data Communication & Networks/Lab	3		F,W,S		

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Date

Accepted into the major: CS Program Chair

Date

Core Requirements

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CIS 401	Web Application Programming	3	CIS 101, IT 240, IS 350 or instructor's permission	MO	F,W,S		
CIS 405	Systems Engineering II	3	CIS 305	MO	F,W		
CIS 470	Ethics in Computer & Information Sciences	3	CIS 405 or Sr. Standing	MO	F,W,S		
CS 210	Computer Organization	3	CIS 101		W		
IS 350	Database Management Systems	3	CIS 101	MO	F,W		
IT 220	Linux Essentials	3	CIS 101		F,W		
IT 420/L	Linux System Administration/Lab	3	IT 220	MO	W,S		
IT 426	Computer Network Services	3	IT 224/L, IT 280/L	MO	F		
IT 440/L	Foundations of HCI/ Lab	3	CIS 305, IS 400, IT 240, MATH 221	MO	W		
IT 480/L	Computer Network Design/Lab	3	IT 280/L	MO	F		
IT 481	Information Assurance & Security	3	IT 280/L	MO	F,S		

Math Requirement

6 Credits

CIS 205	Discrete Mathematics I (GenEd)	3	CIS 101		F,W,S		
MATH 221	Principles of Statistics I (GenEd)	3	MATH 106 or MATH 110		F,W,S		

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Dept. Chair (Printed)

Signature

Date

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