Computer Information Systems Checklist of Required Studies
2012-2013

GENERAL STUDIES and REQUIRED NON-BUSINESS COURSES (minimum)

General Studies — Credits

Written Communication

ENG 1010	Freshman Composition: The Essay	3	____
ENG 1020	Freshman Composition: Analysis, Research, & Documentation	3	____

Quantitative Literacy

MTH 1310	Finite Mathematics for the Management & Social Sciences *(prerequisite: one and one-half years of high school algebra or equivalent and an appropriate score on the mathematics preassessment placement test)*	4	____

Oral Communication

SPE 1010	Public Speaking	3	____

Historical

HIS _____	*Read the list of approved "Historical" courses in the General Studies courses list of your official catalog term)* [1 or 2]	3	____

Arts and Humanities

PHI 3360	Business Ethics (preferred course)	3	____
or PHI 1030	Ethics		
___ ____	(Check catalog for Arts and Humanities elective) [1 or 2]	3	____

Social & Behavioral Sciences I

ECO 2010	Principles of Economics–Macro *(prerequisite: ENG 1010 or ENG 1020; and any 1000-level MTH course)*	3	____

Social & Behavioral Sciences II

ECO 2020	Principles of Economics–Micro *(prerequisite: ENG 1010 or ENG 1020; and any 1000-level MTH course)*	3	____

Natural and Physical Sciences

___ ____	(Check catalog for Natural and Physical Sciences elective) [2]	3	____
___ ____	(Check catalog for Natural and Physical Sciences elective) [2]	3	____
	Total credit hours for General Studies (minimum)	**34**	

Additional School of Business Requirements

PSY 1001	Introductory Psychology	3	____
or SOC 1010	Introduction to Sociology		
PSC 1010	American National Government	3	____
or PSC 1020	Political Systems and Ideas		
MTH 1320	Calculus for the Management & Social Sciences *(prerequisite: MTH 1310 w/C or better)*	3	____
	Total credit hours School of Business Requirements	**9**	
	Total Non-business General Studies required credits (minimum)	**43**	

Business Core (A grade of 'C' or better must be earned in each business core course to have that course count toward the Bachelors of Science degree in Computer Information Systems.) (prerequisite: **Completion of all the "General Studies Written Communication, Oral Communication, and Quantitative Literacy courses**)

ACC 2010	Principles of Accounting I	3	____
ACC 2020	Principles of Accounting II *(prerequisite: ACC 2010)*	3	____
CIS 2010	Foundations of Information Systems *(prerequisite: CIS/CSS 1010 w/C or better or appropriate score on Computer Information Systems Literacy screening test)*	3	____
CIS 3300	Managerial Statistics *(prerequisite: C or better in MTH 1320 or MTH 1410; C or better in CIS 2010 or CIS 2300; and at least junior standing)*	3	____
MGT 2210	Legal Environment of Business I	3	____
MKT 2040	Business Communication *(prerequisite: SPE 1010 or SPE 1710)*	3	____
CIS 3320	Management Science *(prerequisite: CIS 3300 with a "C" or better and at least junior standing)*	3	____
FIN 3300	Managerial Finance *(prerequisite: ACC 2010 with a grade of "C" or better, ECO 2010, ECO 2020, MTH1320 or MTH 1410 with a grade of C or better, and at least junior standing)*	3	____
MGT 3000	Organizational Management *(prerequisite: at least junior standing or permission of instructor)*	3	____
MKT 3000	Principles of Marketing *(prerequisite: at least junior standing)*	3	____
MGT 4950	Strategic Management *(prerequisite: Completion of all other business core courses and senior standing.)*	3	____
	Total credit hours for Business Core (minimum)	**33**	

Course work in CIS Major

CIS 2110	Structured Problem Solving in Information Systems *(prerequisite: CIS 2010)*	3	____
CIS 3050	Fundamentals of Systems Analysis and Design *(prerequisite: CIS 2110)*	3	____
CIS 3060	Database Management Systems *(prerequisite: CIS 2110)*	3	____
CIS 3145	Business Application Development with Visual Basic *(prerequisite: CIS 2110)*	3	____
CIS 3230	Telecommunication Systems and Networking *(prerequisite: CIS 2110)*	3	____
CIS 4050	Systems Analysis & Design *(prerequisite: CIS 3050, CIS 3060, CIS 3145, CIS 3230, and senior standing)*	3	____

CIS Approved Electives (Must be 3000 – 4000 level CIS Course) – Select TWO of the Following:

CIS 3030	Business Web Page Development *(prerequisite: CIS 2110)*		
CIS 3220	Analysis of Hardware, Software, and User Interfaces for Microcomputer Platforms *(prerequisite: CIS 2110)*		
CIS 3270	Advanced Computer Applications for Business *(prerequisite: CIS 2010)*		
CIS 3280	LAN and WAN Systems for Business *(prerequisite: CIS 3230)*		
CIS 3290	Operating Systems for End Users *(prerequisite: CIS 2010 and CIS 2110)*		
CIS 3460	Data Warehousing and Mining *(prerequisite: CIS 3060 or ACC 3300, and CIS 3300)*		
CIS 3490	Managing Business Information with Enterprise Systems *(prerequisite: CIS 2010)*		
CIS 3500	Information Systems Security *(prerequisite: CIS 3230)*		
CIS 3980	Internship in Computer Information Systems	3	____
CIS 4xxx	Courses listed in the <u>CIS Capstone Group.</u>	3	____

CIS Capstone Group – Select **ONE** of the Following:

CIS 4030	Web Site Administration *(prerequisite: CIS 3030 or CIS 3190)* **OR**		
CIS 4060	Advanced Database Management Systems *(prerequisite: CIS 2110 and CIS 3060 and an advanced programming language course and senior standing)* **OR**		
CIS 4160	Advanced Programming Seminar *(prerequisite: CIS 2110 and CIS 3060 and an advanced programming language course)* **OR**		
CIS 4260	Database Administration *(prerequisite: CIS 3060)* **OR**		
CIS 4280	Network Installation and Administration *(prerequisite: CIS 3230)* **OR**		
CIS 4281	Network Installation and Administration With UNIX/Linux *(prerequisite: CIS 3230)* **OR**		
CIS 4410	Management Information Systems *(prerequisite: CIS 2110 and MGT 3000)*	3	____
	Total credit hours for CIS major (minimum)	**27**	

Electives

___ [1]	_____		
___ ____	_____	____ ____	
___ ____	_____	____ ____	
___ ____	_____	____ ____	
___ ____	_____	____ ____	
___ ____	_____	____ ____	
	Total Electives	**17**	
	Total (minimum) credit hours for Bachelor of Science for CIS majors	**120**	

[1] **A Multicultural Course must be taken as an <u>Elective or General Studies</u> course.**

[2] **A Global Diversity course must be taken as a <u>General Studies</u> course.**