

Computer Information Systems Checklist of Required Studies

2014-2015

GENERAL STUDIES and REQUIRED NON-BUSINESS COURSES (minimum)

General Studies	Credits
Written Communication	
ENG 1010 Composing Arguments	3 _____
ENG 1020 Freshman Composition: Analysis, Research, & Documentation	3 _____
Quantitative Literacy	
MTH 1310 Finite Mathematics for the Management & Social Sciences <i>(prerequisite: one and one-half years of high school algebra or equivalent and an appropriate score on the mathematics preassessment placement test)</i>	4 _____
Oral Communication	
SPE 1010 Public Speaking	3 _____
Historical	
HIS _____ <i>Read the list of approved "Historical" courses in the General Studies courses list of your official catalog term)</i> ^{1 or 2}	3 _____
Arts and Humanities	
PHI 3360 Business Ethics (preferred course)	3 _____
or PHI 1030 Ethics	
_____ <i>(Check catalog for Arts and Humanities elective)</i> ^{1 or 2}	3 _____
Social & Behavioral Sciences I	
ECO 2010 Principles of Economics–Macro <i>(prerequisite: ENG 1010 or ENG 1020; and any 1000-level MTH course)</i>	3 _____
Social & Behavioral Sciences II	
ECO 2020 Principles of Economics–Micro <i>(prerequisite: ENG 1010 or ENG 1020; and any 1000-level MTH course)</i>	3 _____
Natural and Physical Sciences	
_____ <i>(Check catalog for Natural and Physical Sciences elective)</i> ²	3 _____
_____ <i>(Check catalog for Natural and Physical Sciences elective)</i> 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 <i>(prerequisite: MTH 1310 w/C or better)</i>	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 <i>(prerequisite: ACC 2010)</i>	3 _____
CIS 2010 Foundations of Information Systems <i>(prerequisite: CIS/CSS 1010 w/C or better or appropriate score on Computer Information Systems Literacy screening test)</i>	3 _____
CIS 3300 Managerial Statistics <i>(prerequisite: C or better in MTH 1320 or MTH 1410; C or better in CIS 2010 or CIS 2300; and at least junior standing)</i>	3 _____
MGT 2210 Legal Environment of Business I	3 _____
MKT 2040 Business Communication <i>(prerequisite: SPE 1010 or SPE 1710)</i>	3 _____
CIS 3320 Management Science <i>(prerequisite: CIS 3300 with a "C" or better and at least junior standing)</i>	3 _____
FIN 3300 Managerial Finance <i>(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)</i>	3 _____
MGT 3000 Organizational Management <i>(prerequisite: at least junior standing or permission of instructor)</i>	3 _____
MKT 3000 Principles of Marketing <i>(prerequisite: at least junior standing)</i>	3 _____
MGT 4950 Strategic Management <i>(prerequisite: Completion of all other business core courses and senior standing.)</i>	3 _____
Total credit hours for Business Core (minimum)	33

Course work in CIS Major	
CIS 2110 Structured Problem Solving in Information Systems <i>(prerequisite: CIS 2010)</i>	3 _____
CIS 3050 Fundamentals of Systems Analysis and Design <i>(prerequisite: CIS 2110)</i>	3 _____
CIS 3060 Database Management Systems <i>(prerequisite: CIS 2110)</i>	3 _____
CIS 3145 Business Application Development <i>(prerequisite: CIS 2110)</i>	3 _____
CIS 3230 Telecommunication Systems and Networking <i>(prerequisite: CIS 2110)</i>	3 _____
CIS 4050 Systems Analysis & Design <i>(prerequisite: CIS 3050, CIS 3060, CIS 3145, CIS 3230, and senior standing)</i>	3 _____

CIS Approved Electives (Must be 3000 – 4000 level CIS Course) – Select TWO of the Following: ***	
CIS 3030 Business Web Page Development <i>(prerequisite: CIS 2110)</i>	
CIS 3220 Analysis of Hardware, Software, and User Interfaces for Microcomputer Platforms <i>(prerequisite: CIS 2110)</i>	
CIS 3270 Advanced Computer Applications for Business <i>(prerequisite: CIS 2010)</i>	
CIS 3280 LAN and WAN Systems for Business <i>(prerequisite: CIS 3230)</i>	
CIS 3290 Operating Systems for End Users <i>(prerequisite: CIS 2010 and CIS 2110)</i>	
CIS 3460 Data Warehousing and Mining <i>(prerequisite: CIS 3060 or ACC 3300, and CIS 3300)</i>	
CIS 3490 Managing Business Information with Enterprise Systems <i>(prerequisite: CIS 2010)</i>	
CIS 3500 Information Systems Security <i>(prerequisite: CIS 3230)</i>	
CIS 3980 Internship in Computer Information Systems	3 _____
CIS 4xxx Courses listed in the CIS Capstone Group.	3 _____

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

*** Can be used for the CIS Concentration. See the "Two Options for completing a CIS Degree" advising sheet for the available concentrations and the associated elective courses.

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 Elective or General Studies course.

² A Global Diversity course must be taken as a General Studies course.