

2017-2018 B.S. Information Science & Systems Healthcare Information Systems Concentration

CORE CURRICULUM – 43-44 Semester Hours (SH)

UNIVERSITY CORE

COLLEGE CORE

A. Core Foundations

CORE 101	_____	3
CORE 102	_____	3
HNRS 103*	_____	3
CORE 201 COMS 114 PHIL 111: 213	_____	3
CORE 202 PHIL 112	_____	3

Students can use two courses with their major prefix to fulfill core requirements.

B. Core Skills & Knowledge

MATHEMATICAL SCIENCES (3 SH)	
MATH 126 or 151	3
NATURAL SCIENCES (4 SH)	
BIOL 105	4
HUMANITIES (3 SH)	
_____	3
One of the following: CLSS:110 CCST: 110 ENGL 200, HIST 101, 102 PHIL 111, 112, 200; POSC 110; RELN 111, 112, 203, 206	
VISUAL & PERFORMING ARTS (3 SH)	
_____	3
One of the following: ART 111, 215, 216 CVPA 266 DNCE 111 MUSC 100, 121, 123 THEA 100, 180	
SOCIAL/BEHAV. SCIENCES (3 SH)	
ECON 205	3

A. National & International Perspectives

U. S. PERSPECTIVES (3 SH)	
_____	3
One of the following: APST 200 ECON 101, 205, 206, ENGL 203 GEOG 201, 202, 203 HIST 111, 112 POSC 120, SOCY 110	
GLOBAL PERSPECTIVES (3 SH)	
_____	3
One of the following: CVPA 266, ENGL 201; CCST 103; GEOG 101, 102, 140, 280 HIST 101, 102 INST 101 ITEC 112 PEAC 200 RELN 112, 205, SOCY 121, THEA 180 WMST 101	

B. Supporting Skills & Knowledge

NATURAL SCIENCES OR MATH (3/4 SH)	
(Must select a 4-credit lab science)	
_____	4
One of the following: ASTR 111, 112 BIOL 103, 104, 105 CHEM 101: 102, 120 GEOL 100, 105:106 PHYS 111: 112, 221:222	
HUMANITIES, VISUAL & PERFORMING ARTS, OR FOREIGN LANGUAGES (3-4 SH)	
_____	3-4
One of the following: CLSS 110 CCST 110 ENGL 200 HIST 101, 102 PHIL 111, 112, 200; POSC 110; RELN 111, 112, 203, 206; CVPA 266; Or ART 100, 215, 216 DNCE 111, MUSC 100, 121, 123 THEA 100, 180 Or CHNS 101: 102, 201: 202 ARAB 101, 102, 201, 202, FORL 100, 109, 200, 210, 209, 309, 409; FREN 100, 200:210, 300, 320 GRMN 100, 200: 210, 300 LATN 101 102, 201, 350; RUSS 100, 200, 210, 300; SPAN 101: 102, 105 201, 202	
SOCIAL/ BEHAV. SCI. OR HEALTH & WELLNESS (3 SH)	
ECON 206	3

Degree Core Requirements C or Better Required: Information Technology:

ITEC 110	_____ (3)	Principles of Information Technology	F/S
*ITEC 120	_____ (4)	Principles of Computer Science I	F/S
*ITEC 220	_____ (4) OR	Principles of Computer Science II	F/S
*ITEC 315	_____ (3)	Graph. User Interface Dsn and Imple.	F/S
ITEC 281	_____ (3)	Data Analysis & Management/ Spread.	F/S
ITEC 225	_____ (3)	Web Programming I	F/S
*ITEC 345	_____ (3)	Introduction to Information Security	F/S
ITEC 340	_____ (3) OR	Database I	F/S
ITEC 304	_____ (3)	Database from the Managers Perspective	??
ITEC 350	_____ (3) OR	Intro of Computer Networks	??
ITEC 205	_____ (3)	Data Communications and Networking	??
ITEC 370	_____ (3) OR	Software Engineering	F/S
ITEC 369	_____ (3)	System Analysis and Design	??
ITEC 395	_____ (3)	Project Management	??
ITEC 466	_____ (3)	Information Assurance Management	
ITEC 490	_____ (1)	IT Professionalism	F/S
ITEC 495	_____ (3)	Information Systems Capstone	S

Business:

ACTG 211	_____ (3)	Fundamentals of Financial Accounting	F/S
ACTG 212	_____ (3)	Fundamentals of Managerial Accounting	F/S
ECON 205	_____ (3)	Principles of Economics I	F/S
MGNT 322	_____ (3)	Organizational Behavior	F/S
MGNT 333	_____ (3)	Business Analy. For Decision Making	F/S
MGNT 357	_____ (3)	Operations Management	F/S
MKTG 340	_____ (3)	Principles of Marketing	F/S

MATH/STAT

MATH 126	_____ (3) OR	Business Calculus	F/S
MATH 151	_____ (3)	Calculus and Analytic Geometry	F/S
STAT 200	_____ (3)	Introduction to Statistics	F/S
STAT 301	_____ (3)	Probability and Statistics	F/S

Concentration Requirements for Health Care Information Systems Concentration:

ITEC 200	_____ (3)	Healthcare Information Systems	??
ITEC 375	_____ (3)	Data Science	??
ITEC 496	_____ (3)	ERP Systems for Healthcare	??

BIOL

BIOL 105 (to be taken as the University Core Curriculum Natural Science)
BIOL 310 (to be taken as part of the BS Requirement.)

Pre-requisites

None
ITEC 109 or SAT MATH score 550 or higher
"C" or better ITEC 120
ITEC 225
None
ITEC 120 "C" or better
ITEC 120 "C" or better
ITEC 220 "C" or better
None
ITEC 220 C or better
SO standing
ITEC 220 "C" or better
ITEC 120 and JR Standing
JR Standing
ITEC 345
SR Standing, ITEC major
SR, ISAS major, ITEC 225, 304 or 340,369 or 370 and MGNT 357 *C or better required in these classes.

Sophomore Standing
ACTG 211
None
JR Standing
JR Standing, STAT 200, and MATH 126/151
MGNT 333
None

4 yrs of HS Math or MATH 125 C>
MATH 138 C or> or SAT 550 or >
None
MATH 152 C>

None
ITEC 120, STAT 200, JR Standing
ACTG 212, and ITEC 340 or 304

B.S. requirements 6-8 hrs:

BIOL 310 (4) and any 200, 300 or 400-level ITEC course (except ITEC 301, ITEC 304, ITEC 307, ITEC 381, ITEC 398, and ITEC 498) or any 500 or 600-level ITEC course approved by the Department Chair, MATH 152, Any 200-level or above MATH, ASTR 111, ASTR 112, any BIOL (except 301 and 302), any CHEM, any GEOL any PHYS, GEOS 250 or ITEC 250 or PHYS 301