

2019-2020 B.S. Information Science & Systems Healthcare Information Systems Concentration

UNIVERSITY CORE

A. Core Foundations

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

NOTE: Courses listed in multiple areas can only be used to fulfill a single area requirement.

*Honors College course

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

B. Core Skills & Knowledge

MATHEMATICAL SCIENCES	
MATH 126 or 171	3-4
NATURAL SCIENCES	
BIOL 105	4
HUMANITIES	
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	
One of the following: ART 100, 215, 216 CVPA 266 DNCE 111 MUSC 100, 121, 123 THEA 100, 180	
SOCIAL/BEHAV. SCIENCES	
ECON 205	3

COLLEGE CORE

A. National & International Perspectives

U. S. PERSPECTIVES
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

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 200

B. Supporting Skills & Knowledge

NATURAL SCIENCES One of the following: ASTR 111, 112 BIOL 103, 104, 105 CHEM 111: 112, 120 GEOL 100, 105:106 PHYS 111: 112, 221:222

HUMANITIES, VISUAL & PERFORMING ARTS, OR FOREIGN LANGUAGES

One of the following: ENGL 200 or HIST 101 or 102 or PHIL 111 or 112 or 200 or POSC 110 or RELN 111 or 112 or 203 or 206 or ART 100 or 215 or 216 or CVPA 266 or DNCE 111 or MUSC 100 or 121 or 123 or THEA 100 or 180 or CHNS 101 or 102 or 201 or 202 or FORL 100 or 109 or 209 or 309 or 409 or 200 or 210 or FREN 100 or 200 or 210 or 300 or 320 or GRMN 100 or 200 or 210 or 300 or LATN 101 or 102 or 201 or 350 or RUSS 101 or 102 or 201 or 202 or 300 or SPAN 101 or 102 or 103 or 201 or 202 or CLSS 110

SOCIAL/ BEHAV. SCI. OR HEALTH & WELLNESS

One of the following: ANSC 101, APST 200 ECON 205, 206 GEOG 101, 102, 103 HIST 111, 112 POSC 120 PSYC 121 RELN 205 SOCY 110, 121 HLTH 111,200, NUTR 214 RCPT 200

Healthcare information Systems Concentration

				Term	Prerequisites
ITEC	110	_____ (3)	Principles of Information Technology	F/S	None
*ITEC	120	_____ (4)	Principles of Computer Science I	F/S	"C" or better in MATH 125 or MATH 138; or credit for MATH 126, MATH 168, or MATH 171; or permission of instructor
*ITEC	220	_____ (4) OR	Principles of Computer Science II	F/S	"C" or better ITEC 120
*ITEC	315	_____ (3)	Graph. User Interface Dsn and Imple.	F/S	ITEC 225
ITEC	281	_____ (3)	Data Analysis & Management/ Spread.	F/S	None
*ITEC	225	_____ (3)	Web Programming I	F/S	ITEC 120 "C" or better
*ITEC	345	_____ (3)	Introduction to Information Security	F/S	ITEC 120 "C" or better
ITEC	340	_____ (3) OR	Database I	F/S	ITEC 220 "C" or better
ITEC	304	_____ (3)	Database from the Manager's Perspective	??	None
ITEC	350	_____ (3) OR	Intro of Computer Networks	??	ITEC 220 C or better
ITEC	205	_____ (3)	Data Communications and Networks	??	SO standing
ITEC	370	_____ (3) OR	Software Engineering	F/S	ITEC 220 "C" or better
ITEC	369	_____ (3)	System Analysis and Design	??	ITEC 120 and JR Standing
ITEC	395	_____ (3)	Project Management	??	JR Standing
ITEC	466	_____ (3)	Information Assurance Management		ITEC 345
ITEC	490	_____ (1)	IT Professionalism	F/S	SR Standing, ITEC major
ITEC	495	_____ (3)	Information Systems Capstone	S	SR, ISAS major, ITEC 225, 304 or 340, 369 or 370, and MGNT 357
ACTG	211	_____ (3)	Fundamentals of Financial Accounting	F/S	Sophomore Standing
ACTG	212	_____ (3)	Fundamentals of Managerial Accounting	F/S	ACTG 211
ECON	205	_____ (3)	Principles of Macroeconomics	F/S	None
MGNT	322	_____ (3)	Organizational Behavior	F/S	JR Standing
MGNT	333	_____ (3)	Business Analysis for Decision Making	F/S	JR Standing, STAT 200, and MATH 125, 126, 151,169, or 171
MGNT	357	_____ (3)	Operations Management	F/S	MGNT 333
MKTG	340	_____ (3)	Principles of Marketing	F/S	None
MATH	126	_____ (3) OR	Business Calculus	F/S	"C" or better in a high-school or college level pre-calculus class; or a "C" or better in MATH 125.
MATH	169	_____ (3) OR	Calculus I with Integrated Precalculus II	F/S	MATH 168
MATH	171	_____ (4)	Calculus and Analytic Geometry I	F/S	C or better in MATH 138, Math SAT ≥ 550 or college pre-calc ≥ "C"
STAT	200	_____ (3) OR	Introduction to Statistics	F/S	None
STAT	301	_____ (3)	Probability and Statistics	F/S	MATH 172 with a grade of "C" or better

Concentration Requirements for Health Care Information Systems Concentration:

ITEC	200	_____ (3)	Healthcare Information Systems		None
ITEC	375	_____ (3)	Data Science		"C" or better in ITEC 120, STAT 200 or STAT 301, JR Standing
ITEC	497	_____ (3)	ERP Systems		ACTG 212 and either ITEC 304 or ITEC 340
BIOL	105	_____ (4)	Biology for Health Sciences	F/S	needed for prereq to BIOL 310

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 172, 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

*A grade of "C" or better is required in these courses for all information systems majors