

**2018-2019 B.S. Information Science & Systems - Information Systems Security 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 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.

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

B. Core Skills & Knowledge

MATHEMATICAL SCIENCES (3 SH)
 MATH 126 or 171 _____ 3

NATURAL SCIENCES (4 SH)
 _____ 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 (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 100, 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 200

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 101, 102, 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
*ITEC 120	_____ (4)	Principles of Computer Science I
*ITEC 220	_____ (4) OR	Principles of Computer Science II
*ITEC 315	_____ (3)	Graph. User Interface Dsn and Imple.
ITEC 281	_____ (3)	Data Analysis & Management/ Spread.
ITEC 225	_____ (3)	Web Programming I
*ITEC 345	_____ (3)	Introduction to Information Security
ITEC 340	_____ (3) OR	Database I
ITEC 304	_____ (3)	Database from the Manager's Perspective
ITEC 350	_____ (3) OR	Intro of Computer Networks
ITEC 205	_____ (3)	Data Communications and Networks
ITEC 370	_____ (3) OR	Software Engineering
ITEC 369	_____ (3)	System Analysis and Design
ITEC 395	_____ (3)	Project Management
ITEC 466	_____ (3)	Information Assurance Management
ITEC 490	_____ (1)	IT Professionalism
ITEC 495	_____ (3)	Information Systems Capstone

Business:

ACTG 211	_____ (3)	Fundamentals of Financial Accounting
ACTG 212	_____ (3)	Fundamentals of Managerial Accounting
ECON 205	_____ (3)	Principles of Macroeconomics
MGNT 322	_____ (3)	Organizational Behavior
MGNT 333	_____ (3)	Business Analysis for Decision Making
MGNT 357	_____ (3)	Operations Management
MKTG 340	_____ (3)	Principles of Marketing

MATH/STAT

MATH 126	_____ (3) OR	Business Calculus
MATH 168	_____ (3) OR	Calculus I with Integrated Precalculus I
MATH 171	_____ (4)	Calculus and Analytic Geometry I
STAT 200	_____ (3) OR	Introduction to Statistics
STAT 301	_____ (3)	Probability and Statistics

Concentration Requirements for Information Systems Security Concentration (9 credits):

ITEC 445	_____ (3)	Computer System and Database Security
ITEC 455	_____ (3)	Applied Cryptography and Network Security
CRJU 412	_____ (3)	Security Administration and Crime Prevention

Pre-requisites

F/S	None
F/S	ITEC 109 "C" or better
F/S	ITEC 120 "C" or better
F/S	ITEC 225
F/S	None
F/S	ITEC 120 "C" or better
F/S	ITEC 120 "C" or better
F/S	ITEC 220 "C" or better
??	None
??	ITEC 220 C or better
??	SO standing
F/S	ITEC 220 "C" or better
??	ITEC 120 and JR Standing
??	JR Standing
	ITEC 345
F/S	SR Standing, ITEC major
S	SR, ISAS major, ITEC 225, 304 or 340, 369 or 370, & MGNT 357
F/S	Sophomore Standing
F/S	ACTG 211
F/S	None
F/S	JR Standing
F/S	JR Standing, STAT 200, and MATH 125, 126, 151,169, or 171
F/S	MGNT 333
F/S	None
F/S	4 yrs of HS Math or MATH 125 C>
F/S	"B-" or better in high school Algebra II or equivalent
F/S	C or better in MATH 138, Math SAT ≥ 550 or college pre-calc ≥ "C"
F/S	None
F/S	MATH 172 with a grade of "C" or better

B.S. requirements 6-8 hrs: 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 152/172, 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