

# 2017-2018 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 COMS 114 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

<b>MATHEMATICAL SCIENCES (3 SH)</b>	
MATH 126 or 151	3
<b>NATURAL SCIENCES (4 SH)</b>	
BIOL 105	4
<b>HUMANITIES (3 SH)</b>	
_____	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	
<b>VISUAL &amp; PERFORMING ARTS (3 SH)</b>	
_____	3
One of the following: ART 111, 215, 216 CVPA 266 DNCE 111 MUSC 100, 121, 123 THEA 100, 180	
<b>SOCIAL/BEHAV. SCIENCES (3 SH)</b>	
ECON 205	3

#### A. National & International Perspectives

<b>U. S. PERSPECTIVES (3 SH)</b>	
_____	3
One of the following: APST 200 ECON 101, 205, 206, ENGL 203 GEOG 201, 202, 203 HIST 111, 112 POSC 120, SOCY 110	
<b>GLOBAL PERSPECTIVES (3 SH)</b>	
_____	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

<b>NATURAL SCIENCES OR MATH (3/4 SH)</b>	
(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	
<b>HUMANITIES, VISUAL &amp; PERFORMING ARTS, OR FOREIGN LANGUAGES (3-4 SH)</b>	
_____	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	
<b>SOCIAL/ BEHAV. SCI. OR HEALTH &amp; WELLNESS (3 SH)</b>	
ECON 206	

#### **Degree Core Requirements C or Better Required: Information Technology**

ITEC 110	_____ (3)	Principles of Information Technology	F/S	None
*ITEC 120	_____ (4)	Principles of Computer Science I	F/S	ITEC 109 "C" or better
*ITEC 220	_____ (4)	Principles of Computer Science II	F/S	ITEC 120 "C" or better
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 Managers Perspective	??	None
ITEC 350	_____ (3) OR	Intro of Computer Networks	??	ITEC 220 C or better
ITEC 205	_____ (3)	Data Communications and Networking	??	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 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

#### **Business:**

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 Economics I	F/S	None
MGNT 322	_____ (3)	Organizational Behavior	F/S	JR Standing
MGNT 333	_____ (3)	Business Analy. For Decision Making	F/S	JR Standing, STAT 200, and MATH 126/151
MGNT 357	_____ (3)	Operations Management	F/S	MGNT 333
MKTG 340	_____ (3)	Principles of Marketing	F/S	None

#### **MATH/STAT**

MATH 126	_____ (3) OR	Business Calculus	F/S	4 yrs of HS Math or MATH 125 C>
MATH 151	_____ (3)	Calculus and Analytic Geometry	F/S	MATH 138 C or > or SAT 550 or >
STAT 200	_____ (3)	Introduction to Statistics	F/S	None
STAT 301	_____ (3)	Probability and Statistics	F/S	MATH 152 C>

#### **Concentration Requirements for Information Systems Security Concentration:**

ITEC 445	_____ (3)	Computer System and Database Security ??	ITEC 220 C>, 345, and 340 or 304
ITEC 455	_____ (3)	Applied Cryptography and Network Security ??	ITEC 220 C>, 345 and 350 or 205
CRJU 412	_____ (3)	Security Administration and Crime Prevention	CRJU 100

#### **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, 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