

**2015-2016 B.S. Information Science & Systems – Information Systems Concentration**

NAME \_\_\_\_\_ ID# \_\_\_\_\_

**CORE CURRICULUM – 43-44 Semester Hours (SH)**

**UNIVERSITY CORE**

**A. Core Foundations**

CORE 101	_____	3
CORE 102	_____	3
HNRS 103*	_____	3
CORE 201	_____	3
CORE 202	_____	3

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

**Students can use only one course with their major prefix to fulfill core requirements.**

**\* Honors course – will meet CORE 101 & 102 for those students in the RU honors program**

**B. Core Skills & Knowledge**

Courses must be from different disciplines:

**MATHEMATICAL SCIENCES (3 SH)**  
**MATH 126 or 151** 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, 114; **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

**COLLEGE CORE**

**A. National & International Perspectives**

Courses must be from different disciplines:

**U. S. PERSPECTIVES (3 SH)**

**ECON** 206 3

**GLOBAL PERSPECTIVES (3 SH)**  
 \_\_\_\_\_ 3

One of the following: **CVPA** 266, **ENGL** 201; **CCST** 103; **GOEG** 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, 114; **POSC** 110; **RELN** 111, 112, 203, 206 **Or ART** 111, 215, 216; **CVPA** 266; **DNCE** 111 **MUSC** 100, 121, 123 **THEA** 100, 180 **Or CHNS** 101: 102, 201: 202 **ARAB** 101, 102, 201, 202, 300, 303 **FORL** 100, 200, 209, 210, 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, 103, 201, 202

**SOCIAL/ BEHAV. SCI. OR HEALTH & WELLNESS (3 SH)**  
 \_\_\_\_\_ 3

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

**ISAS – Information Systems Concentration \* A grade of C or better is required for any course with an asterisk**

**Information Systems CONCENTRATION**

*ITEC	110	_____ (3)	Principles of Information Technology	F/S
*ITEC	120	_____ (4)	Principles of Computer Science I	F/S
*ITEC	220	_____ (4)	Principles of Computer Science II	F/S
*ITEC	225	_____ (3)	Web Programming I	F/S
*ITEC	345	_____ (3)	Introduction to Information Security	F/S
ITEC	490	_____ (1)	IT Professionalism	F/S
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
ECON	206	_____ (3)	Principles of Economics II	F/S
MATH	126	_____ (3)	Business Calculus	F/S
STAT	200	_____ (3)	Introduction to Statistics	F/S
BLAW	203	_____ (3)	Legal Environment of Business	F/S
ITEC	281	_____ (3)	Data Analysis & Management.w/ Spreadsheets	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)	Essentials of Marketing	F/S
FINC	331	_____ (3)	Introduction to Business Finance	F/S
ITEC	340	_____ (3)	Database I	F/S
ITEC	370	_____ (3)	Software Engineering	F/S
ITEC	485	_____ (3)	Decision Support Systems	S
ITEC	495	_____ (3)	Information Systems Capstone	S

**Pre-requisites**

"C" or better ITEC 120
"C" or better in either ITEC 109 or ITEC 120
"C" or better in ITEC 120
F/S Senior Standing
Sophomore Standing
ACTG 211
4 years of High School Math
Junior Standing
Junior Standing, STAT 200, and MATH 126/151
MGNT 333
Junior Standing
ACTG 212 and STAT 200
"C" or better in both ITEC 110/220
"C" or better in both ITEC 110/220
ITEC 340
Senior Standing, ITEC 225 ≥ "C", ITEC 370, ITEC 340, FINC 331, MGNT 357

See back of sheet for BS Requirements

Sample Schedule B.S. Information Systems – Information Systems Concentration 15/16  
ABET Accredited

Fall Semester		Spring Semester	
<b>Freshman Year</b>	<b>Cr.</b>	<b>Freshman Year</b>	<b>Cr.</b>
University Core A: Core 101	3	University Core A: Core 102	3
*ITEC 110	3	*ITEC 220 ITEC 120 "C" or better	4
*ITEC 120	4	STAT 200	3
MATH 126 Four Years of High School Math	3	BLAW 203	3
UNIV 100	1	CORE	3
	<b>14</b>		<b>16</b>
Students with no programming experience are advised to take ITEC 109 their first semester. This course does not count towards major requirements, but will count towards the 120 credit hours needed to graduate. * Students must receive a grade of "C" or better in courses marked with an asterisk *			
<b>Sophomore Year</b>	<b>Cr.</b>	<b>Sophomore Year</b>	<b>Cr.</b>
University Core A: Core 201	3	University Core A: Core 202	3
*ITEC 225 "C" or better in either ITEC 109 or ITEC 120	3	ITEC 281	3
ACTG 211 Sophomore Standing	3	ACTG 212 ACTG 211	3
ECON 205	3	ECON 206	3
CORE Natural Science	4	CORE Natural Science	4
	<b>16</b>		<b>16</b>
CORE 101, 102, 201, and 202 must be completed in succession. Students should complete CORE 202 prior to their junior year			
<b>Junior Year</b>	<b>Cr.</b>	<b>Junior Year</b>	<b>Cr.</b>
ITEC 340 ITEC 110 and 220 "C" or better	3	ITEC 370 ITEC 110 and 220 "C" or better	3
MGNT 333 Junior Standing, STAT 200 and MATH 126/151	3	MGNT 357 MGNT 333	3
MKTG 340 Junior Standing	3	MGNT 322 Junior Standing	3
ITEC 345 "C" or better in ITEC 120	3	Free elective	3
CORE	3	CORE	3
	<b>15</b>		<b>15</b>
<b>Senior Year</b>	<b>Cr.</b>	<b>Senior Year</b>	<b>Cr.</b>
Free elective	3	ITEC 495 Senior Standing, ITEC 225, ITEC 370, ITEC 340, FINC 331, MGNT 357	3
FINC 331 ACTG 212 and STAT 200	3	B.S. requirement	4
B.S. requirement	3	ITEC 485 ITEC 340	3
ITEC 490 Senior Standing	1	Free elective	3
CORE	3	CORE	3
	<b>13</b>		<b>16</b>

B.S. requirements 6-7 hrs:

\_\_\_ (3) Three hours chosen from the following: Any 300 level or above 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.

\_\_\_ (3-4) ITEC 324, or any 300-level or above ITEC course (except 301, 304, and ITEDC 381), MATH 152, ASTR 111, ASTR 112, any BIOL (except 301 and 302), any CHEM, any GEOL (except GEOL 110 and GEOL 205) any PHYS, or PHSC 301