

2014-2015 B.S Computer Science and Technology – Database Concentration

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 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)
_____ _____ _____ 3

One of the following: ANSC 101, APST
200 ECON 105, 106 GEOG 101, 102, 103
HIST 111, 112 POSC 120 PSYC 121 RELN
205 SOCY 110, 121

COLLEGE CORE

A. National & International

Perspectives Courses must be from different disciplines:

U. S. PERSPECTIVES (3 SH)

One of the following: APST 200
ECON 101, 105, 106, 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, FORL 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, 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 100, 200,210 FORL 100, 109, 200, 209,
210 309, 409,: FREN 100, 200:210, 300, 320
GRMN 100, 200: 210, 300 LATN 101. 201, 350,
RUSS 100, 200, 210, 300; SPAN 101: 102, 201,
202

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

One of the following: ANSC 101, APST 200
ECON 105, 106 GEOG 101, 102, 103 HIST 111,
112 POSC 120 PSYC 121 RELN 205 SOCY 110,
121 HLTH 111,200 NURS 111 NUTR 214
RCPT 200

CSAT – Database Concentration * A grade of C or better is required for any course with an asterisk

Database CONCENTRATION

*ITEC 110	_____ (3)	Principles of Information Technology
*ITEC 120	_____ (4)	Principles of Computer Science I
*ITEC 220	_____ (4)	Principles of Computer Science II
*ITEC 225	_____ (3)	Web Programming I
*ITEC 345	_____ (3)	Introduction to Information Security
ITEC 490	_____ (1)	IT Professionalism
MATH 151	_____ (3)	Calculus & Analytical Geometry I
ITEC 122	_____ (3)	Discrete Mathematics
ITEC 324	_____ (3)	Principles of Computer Science III
ITEC 320	_____ (3)	Procedural Analysis and Design
ITEC 325	_____ (3)	Web Programming II
ITEC 340	_____ (3)	Database I
ITEC 441	_____ (3)	Database II
ITEC 442	_____ (3)	Data Warehousing, Mining, & Reporting

Prerequisites

F/S	
F/S	
F/S	“C” or better ITEC 120
F/S	“C” or better in either ITEC 109 or ITEC 120
F/S	“C” or better ITEC 120
F/S	Senior Standing (86 hours or more)
F/S	Math SAT ≥ 550, or college pre-calc ≥ “C”
F/S	ITEC 120 “C” or better & MATH 125 or higher
F/S	“C” or better in both ITEC 110/220
F/S	“C” or better in both ITEC 110/220
F/S	ITEC 225 “C” or better, & ITEC 340
F/S	“C” or better in both ITEC 110/220
S	ITEC 340 -“C” or better
F	ITEC 340 – “C or better

Technical Electives - 12 Additional credit hours in 300 or 400 level ITEC course (except ITEC 301, 304, 400, 493, and 498)

ITEC _____ (), ITEC _____ (), ITEC _____ (), ITEC _____ ()