

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)
_____ _____ 3

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, 102, 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 – Software Engineering Concentration * A grade of C or better is required for any course with an asterisk

Software Engineering CONCENTRATION

| | | | | Prerequisites | |
|-------|-----|-----------|---------------------------------------|---------------|---|
| *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 | “C” or better ITEC 120 |
| *ITEC | 225 | _____ (3) | Web Programming I | F/S | ITEC 109 or ITEC 120 “C” or better in either |
| *ITEC | 345 | _____ (3) | Introduction to Information Security | F/S | “C” or better in ITEC 120 |
| ITEC | 490 | _____ (1) | IT Professionalism | F/S | Senior Standing (86 hours or more) |
| MATH | 151 | _____ (3) | Calculus & Analytical Geometry I | F/S | Math SAT ≥ 550, or college pre-calc ≥ “C” |
| ITEC | 122 | _____ (3) | Discrete Mathematics | F/S | “C” or better ITEC 120 & MATH 125, 126, 138, 140, or 151 |
| ITEC | 324 | _____ (3) | Principles of Computer Science III | F/S | “C” or better in both ITEC 110/220 |
| ITEC | 320 | _____ (3) | Procedural Analysis and Design | F/S | “C” or better in both ITEC 110/220 |
| ITEC | 335 | _____ (3) | | | |
| ITEC | 370 | _____ (3) | Software Engineering I | F/S | “C” or better in both ITEC 110/220 |
| ITEC | 380 | _____ (3) | Organization of Programming Languages | F | ITEC 224, ITEC 320 |
| ITEC | 471 | _____ (3) | Software Engineering II | F | ITEC 320, ITEC 324, ITEC 335, ITEC 370 |
| ITEC | 472 | _____ (3) | Software Engineering III | S | ITEC 471 |

Technical Electives -Plus 9 Additional credit hours in 300 or 400 level ITEC course (except ITEC 301, 304, 307, 381, 398, 493, and 498)
ITEC _____ (), ITEC _____ (), ITEC _____ ()