Software Engineering Concentration 2018 - 2019

ITEC 110 Principles of Information Technology
ITEC 109 >= C, Math SAT >= 550, Or pass dept. test
+ ITEC 120 Principles of Computer Science I

+ ITEC 220 Principles of Computer Science II
ITEC 225 Web Programming I
ITEC 345 Intro. to Info. Security
ITEC 122 Discrete Mathematics

ITEC 320 Procedural Analysis and Design
ITEC 324 Principles of Computer Science III
ITEC 370 Software Engineering I
ITEC 380 Org. of Programming Langs
ITEC 335 Software Testing

ITEC 380 Org. of Programming Langs
ITEC 471 Software Engineering II
ITEC 470 Senior Seminar / IT Professionalism
ITEC 472 Software Engineering III

ITEC 3/4XX CSSE Technical Elec.
MATH 125, 126, 138, 140, 151, 169, or 171
Math: See Catalog

ITEC 370 Software Engineering I
ITEC 335 Software Testing
ITEC 471 Software Engineering II
ITEC 472 Software Engineering III

Offered: Only in Fall
Offered only in Spring
Fall and/or Spring offerings are expected, but not guaranteed

* MATH 171 Calculus

ITEC 335 Software Testing
ITEC 345 Intro. to Info. Security

ITEC 3/4XX CSSE Technical Elec.
ITEC 3/4XX CSSE Technical Elec.
ITEC 3/4XX CSSE Technical Elec.

Prerequisite
Prerequisite: must have >= “C” to advance

Pre or Co-requisite

CSSE Technical Electives: Plus 9 additional credit hours chosen from any 300 or 400-level ITEC courses (except ITEC 301, ITEC 304, ITEC 307, ITEC 369, ITEC 381, ITEC 395, ITEC 398, ITEC 466, ITEC 493, ITEC 495, ITEC 496, ITEC 497, or ITEC 498) or any 500 or 600-level ITEC course approved by the Department Chair.

B.S. Requirements (6-8 credits):
Any 200-level, 300-level, or 400-level ITEC course (except ITEC 281, ITEC 301, ITEC 304, ITEC 307, ITEC 369, ITEC 381, ITEC 398, ITEC 493, ITEC 495, ITEC 496, ITEC 497, and ITEC 498) or any 500 or 600-level ITEC course approved by the Department Chair; MATH 172; any 200-level or above Math course; ASTR 111, ASTR 112, any Biology (except BIOL 301 and BIOL 302); any Chemistry; any Geology, GEOS 250 or ITEC 250, any Physics, or PHSC 301.

Within a single concentration, courses used to meet the B.S. Requirements cannot be used to meet any other requirement of that concentration.

Students with more than one concentration and/or major should evaluate each independently.

* MATH 171 can be replaced by MATH 168 & MATH 169.
+ ITEC 120 & ITEC 220 can only be attempted twice, including Withdrawals

Courses in bold boxes must be passed with a grade of “C” or better

Major GPA Requirement: 2.0 in all ITEC, MATH, STAT courses applied to the major, excluding courses used to meet the B.S. Requirement.

Core Curriculum:
MATH 171 is approved for Core Curriculum credit in the Mathematical Sciences.

Students in the IT Department are required to take a Natural Science course to fulfill the College Core B Mathematical or Natural Sciences Requirement.

See 2018 - 2019 Catalog for additional requirements and prerequisites.

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