Database Concentration 2019 – 2020

ITEC 110 Principles of Information Technology
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 324 Principles of Computer Science III
ITEC 320 Procedural Analysis and Design
ITEC 325 Web Programming II
ITEC 340 Database. I
ITEC 341 Database. II
ITEC 342 Data Warehousing, Mining, and Reporting
ITEC 490 Senior Seminar / IT Professionalism
ITEC 445 Computer System and Database Security
ITEC 445 Information Security, Privacy, and Reliability
ITEC 441 Database. III
ITEC 442 Data Warehousing, Mining, and Reporting
ITEC 3/4XX CSDB Technical Elec.
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ITEC 490 Senior Seminar / IT Professionalism

CSDB 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 395, ITEC 398, 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.

Courses used to meet the B.S. Requirements for a degree cannot be used to meet any other requirements for that degree.

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

MATH 125 or MATH 138 >= C, MATH 126, or permission of instructor
MATH 151, 169, or 171
MATH: See Catalog
* MATH 171 Calculus
STAT 200 or STAT 301
ITEC 322 Discrete Mathematics
ITEC 441 Computer System and Database Security
ITEC 445 Information Security, Privacy, and Reliability
Offered Only in Fall
Offered only in Spring
Fall and/or Spring offerings are expected, but not guaranteed.

Prerequisite
Prerequisite: must have >= "C" to advance

* 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 2019 - 2020 Catalog for additional requirements and prerequisites.