Database Concentration 2017 – 2018

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
  + MATH 125, 126, 138, 140, or 151
  + Math: See Catalog
  + MATH 151 Calculus
  + STAT 200 or STAT 301

ITEC 320 Procedural Analysis and Design
ITEC 324 Principles of Computer Science III
ITEC 300 Database I
ITEC 340 Intro. to Info. Security
ITEC 341 Database II
ITEC 441 Data Warehousing, Mining, and Reporting
ITEC 442 Web Programming II
ITEC 345 Computer System and Database Security
ITEC 345 offered only in Fall
ITEC 345 offered only in Spring
ITEC 345 prerequisites include ITEC 220 (> C).
ITEC 345 can only be attempted twice, including Withdrawals

ITEC 490 Senior Seminar / IT Professionalism
ITEC 445 Computer System and Database Security
ITEC 3/4XX CSDB Technical Elec.
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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 381, ITEC 398, ITEC 493, or ITEC 498) or any 500 or 600-level courses approved by the Department Chair.

B.S. Requirements (6-8 credits):
Two courses from the following list: Any 300 or 400-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 courses approved by the Department Chair; MATH 152, any 200-level or above Math course; ASTR 111, ASTR 112; any Biology (except BIOL 301 and BIOL 302); any Chemistry; any Geology; GEOS/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.

ITEC 109 must have > C, Math SAT > 550, or pass dept. test.
ITEC 120 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 151 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 2017 - 2018 Catalog for additional requirements and prerequisites.