Database Concentration 2016 – 2017

ITEC 110 Principles of Information Technology

ITEC 109 >= C, Math SAT >= 550, Or pass dept. test

+ ITEC 120 Principles of Computer Science I

MATH 125, 126, 138, 140, or 151

Math: See Catalog

MATH 151 Calculus

STAT 200 or STAT 301

ITEC 220 Principles of Computer Science II

* ITEC 225 Web Programming I

ITEC 345 Intro. to Info. Security

ITEC 122 Discrete Mathematics

ITEC 340 Database. I

ITEC 3/4XX CSDB Technical Elec.

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ITEC 320 Procedural Analysis and Design

ITEC 324 Principles of Computer Science III

ITEC 490 Senior Seminar / IT Professionalism

ITEC 325 Web Programming II

ITEC 441 Database. II

ITEC 442 Data Warehousing, Mining, and Reporting

** ** ITEC 445 Computer System and Database Security**

Offered Only In Fall

Offered only in Spring

Fall and/or Spring offerings are expected, but not guaranteed.
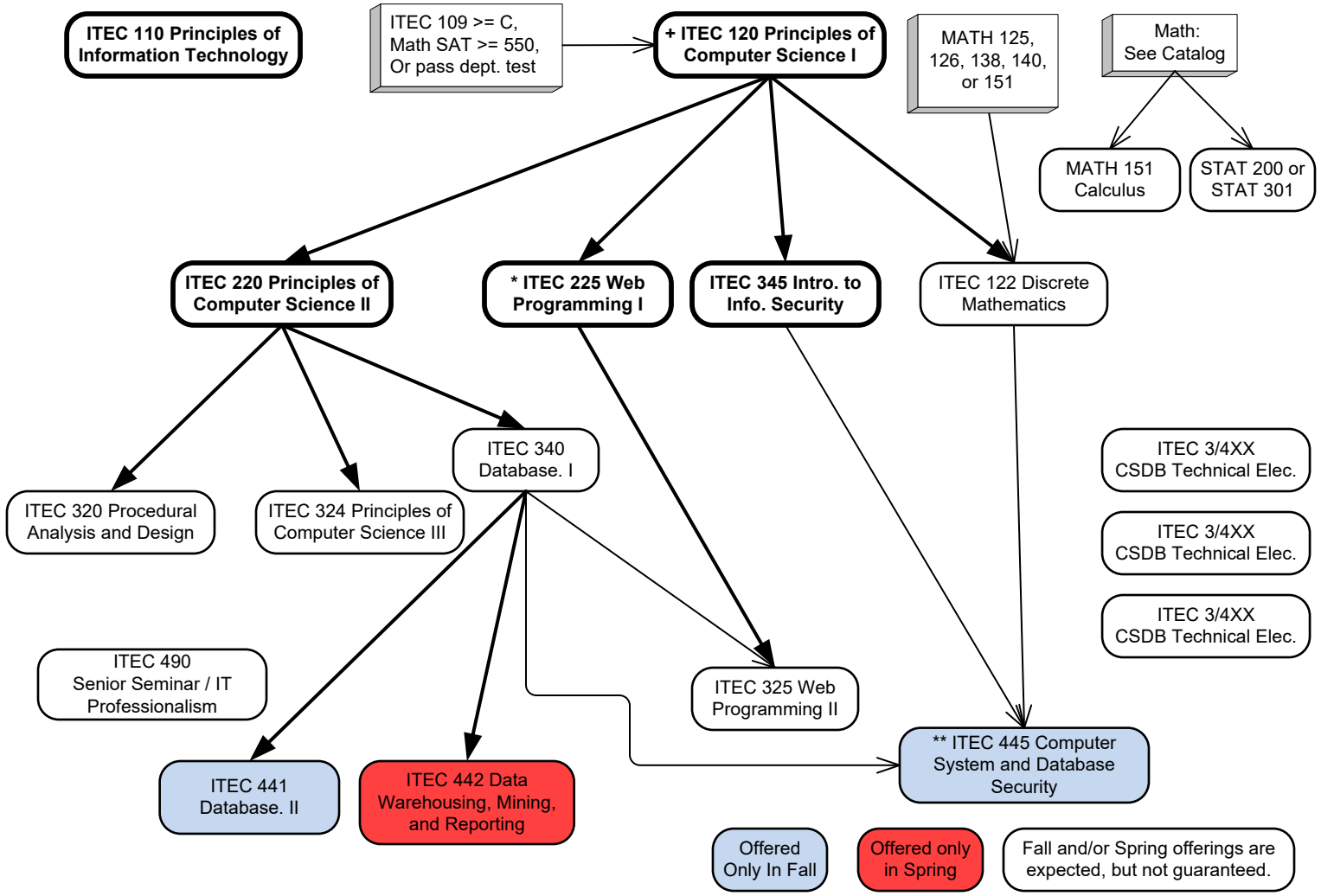
Prerequisite →

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

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 225: Prerequisite: ITEC 109 (>= C) or ITEC 120 (>= C). CSAT and ISAS majors should take 120 prior to 225.
** ITEC 445 prerequisites include ITEC 220 (>= C).
+ 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 2016 - 2017 Catalog for additional requirements and prerequisites.

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