Sequence of CS Core Courses and Concentrations (UTSA 2018-2020 Catalog)

Assumed Precollege

MAT 1073 Algebra for Scis. & Engs.

MAT 1093 Precalculus

MAT 1214* Calculus I

MAT 1224 Calculus II

CS 1083 Programming I

CS 1713/1 Programming II

CS 2123/1 Data Structures

Gateway Courses
Students pursuing the B.S. degree in Computer Science must successfully complete each of the Gateway Courses with a grade of “C-” or better in no more than two attempts.

CS 2233 Discrete Math

CS 3333 Math. Foundations

CS 3443 App. Programming

CS 3423/1 Syst. Programming

CS 3843/1 Comp. Org.

CS 3343 Analysis of Alg.

CS 3723 Prog. Languages

CS 3743 Database Systems

CS 3733 Operating Systems

CS 3853 Comp. Architecture

Degree Hours:
42 hours core curriculum
48 hours required CS courses
24 hours upper division CS electives
6 hours free electives
120 hours total

*MAT 1214 may be used to satisfy the core requirement in Mathematics as well as a major requirement.