

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

**Assumed
Precollege**

MAT 1073 Algebra
for Scis. & Eng.

MAT 1093
Precalculus

MAT 1214*
Calculus I

MAT 1224
Calculus II

CS 2233
Discrete Math

CS 3333
Math. Foundations

CS 2123/1
Data Structures

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

CS 1083
Programming I

CS 1713/1
Programming II

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

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.

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