**Sequence of CS Core Courses and Concentrations**

(UTSA 2017 Catalog)

Assumed Precollege

- MAT 1073 Algebra for Scis. & Engs.
- MAT 1093 Precalculus

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 Calculus I
- MAT 1224 Calculus II

- CS 1083 Programming I for Comp. Scis.
- CS 1713/1 Programming II

- CS 2233 Discrete Math. Structures
- CS 3333 Mathematical Foundations

CS 2123/1 Data Structures

- CS 3423/1 Systems Programming
- CS 3843/1 Computer Organization

- CS 3343/1 Analysis of Algorithms
- CS 3443 Application Programming
- CS 3723/1 Programming Languages
- CS 3733/1 Operating Systems
- CS 3853/1 Computer Architecture