UTEP Computer Science Undergraduate Degree Flowchart

MATH 1508
Precalculus (required by entrance test)

CS 1301 & 1101
Introduction to CS

CS 2401
Elementary Data Structures

EE 2369 & 2169 or ECE 2303 & 2103
Digital System Design I & Lab

RWS 1301
Rhetoric & Composition 1

CS 2302
Data Structures

RWS 1302
Rhetoric & Composition 2

CS 2101 & 2202
Discrete Structures I and II

Or
MATH 2300
Discrete Math

MATH 1411
Calculus I

HIST 1301
History of U.S.

Catalog prerequisite

All prerequisite courses and all University Core courses must be completed with grade of "C" or better.

MATH 1312
Calculus II

HIST 1302
History of U.S.

MATH 3323
Matrix Algebra

PHYS 2320 & 2120
Introductory Mechanics & Lab

POLS
2310
Introductory
Politics

POLS
2311
American Government

Place of Engineering

Math or Science option

STAT 3320
Prob. & Statistics for Comp. Sci.

Free Elective

Life and Physical Sciences

University Core Areas
1. Language, Philosophy and Culture
2. Creative Arts
3. Social and Behavioral Sciences
4. Component Area Option 1
5. Component Area Option 2

Free Elective
College-level courses (not remedial) offered by the college of Liberal Arts, Business, Science, or Engineering.

Math or Science option

MATH 2313, 2325, 2326, 3320, 3325, 4329, STAT 3381, 4380, 4385, or a science lecture from the Science list.

CS Technical Electives
CS 1110, CS 1120, CS 2210, CS 1190, CS 1290, CS 3000 or 4000 level course. No more than three credit hours of CS 1xxx and CS 2xxx can count for technical electives. No more than six credit hours of CS 1xxx, CS 2xxx, CS 4390, CS 4181, CS 4371, CS 4x73, CS 4392 and/or CS 4393 (in any combination) can count for technical electives.

Free Elective