UTEP Computer Science Undergraduate Degree Flowchart

MATH 1508
Precalculus (required by entrance test)

CS 1301 & 1101
Introduction to CS

RWS 1301
Rhetoric & Composition 1

CS 2401
Elementary Data Structures

RWS 1302
Rhetoric & Composition 2

CS 2101 & 2202
Discrete Structures I and II

CS 2302
Data Structures

MATH 1411
Calculus I

MATH 1312
Calculus II

MATH 2300
Discrete Math

MATH 1323
Matrix Algebra

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

Physics

CS 4375
Theory of Operating Systems

CS 4310
Software Engineering I

CS 4311
Software Engineering II

CS 4343
Computer Organization

CS 4342
Database Systems

CS 4175
Parallel Computing

CS 3350
Automata

CS Tech Elective

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CS Tech Elective

Free Elective

Free Elective

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

Univ. Core

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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

Life and Physical Sciences
ASTR 1307 and 1107;
PHYS 2421;
BIOL 1305 and 1107;
BIOL 1306 and 1108;
CHEM 1305 and 1105;
CHEM 1306 and 1106;
GEOL 1313 and 1103;
GEOL 1314 and 1104.