



DEPARTMENT OF COMPUTER SCIENCE

TEXAS TECH
Whitacre College of Engineering



Name: _____

Current GPA: _____

You must achieve a 2.5 GPA as well as earn a "C" or better in all courses to graduate from the Computer Science program at TTU.

TTU ID: _____

Foreign Language: _____

Current Semester: _____

Multicultural: _____

Text in **red** are prerequisites for the corresponding course.

1st Year

_____ *ENGR 1330: Computational Thinking

_____ *ENGR 1320: Bio-Inspired Design

_____ *ENGR 1110: Engineering Seminar

_____ *MATH 1452: Calculus II

MATH 1451

_____ *MATH 1451: Calculus I

MPE Code 7, or SAT 660, or ACT 29, or MATH 1550, or MATH 1350, or MATH 1321 with a grade of B or better, or MATH 1321 with a grade of C or better AND a code 5 on MPE, or AP AB Calculus score of 3 with code 5 on MPE.

_____ *PHYS 1408: Physics I

MATH 1451

_____ *CHEM 1307/1107: Chemistry I w/Lab

Chemistry Placement Exam

_____ *ENGR 2392: Engineering Ethics

_____ *ENGL 1301: Essentials of College Rhet.

_____ *ENGL 1302: Advanced College Rhet.

ENGL 1301

** Foundational courses must be completed, along with a 2.5 TTU GPA to enter the Computer Science major*

2nd Year

_____ CS 1382: Disc. Computational Structures

ENGR 1330, MATH 1451

_____ CS 2413: Data Structures

2.5 TTU GPA; CS 1412

_____ CS 1412: Programming Principles

ENGR 1330

_____ CS 3350: Comp. Org. & Assm. Lang.

2.5 TTU GPA; CS 1412 and ECE 2372

_____ ECE 2372: Modern Digital Systems Design

2.5 TTU GPA; MATH 1451 (co-req) and ENGR 1330

_____ PHYS 2401: Physics II

PHYS 1408 and MATH 1452

_____ MATH 2450: Calculus III

MATH 1452

_____ MATH 2360: Linear Algebra

MATH 1452

_____ ENGL 2311: Technical Writing

ENGL 1302

_____ POLS 1301: American Government

3rd Year

_____ CS 2365: Object-Oriented Programming

CS 2413

_____ CS 3365: Software Engineering

CS 2365 and MATH 3342

_____ CS 3361: Concepts of Prog. Languages

CS 2413

_____ CS 3375: Computer Architecture

CS 3350

_____ CS 3364: Design Analysis of Algorithms

CS 2413, CS 1382, MATH 2360

_____ CS 3383: Theory of Automata

CS 1382

_____ MATH 3342: Statistics for Engineers

MATH 2450

_____ ^CS Elective

See CS Advisor for Elective List

_____ HIST 2300: U.S. History to 1877

_____ HIST 2301: U.S. History since 1877

4th Year

_____ CS 4352: Operating Systems

CS 3364 and CS 3375

_____ CS 4366: Senior Capstone Project

CS 3365

_____ CS 4354: Database Systems

CS 3364

_____ ^CS Elective

See CS Advisor for Elective List

_____ ^CS Elective

See CS Advisor for Elective List

_____ ^CS Elective

See CS Advisor for Elective List

_____ Oral Communication

Recommended: ENGR 2331, COMS 2300, CARS 2300, MCOM 2310, or COMS 2358

_____ Social & Behavioral Science

Recommended: SOC 1301 or GEOG 2300

_____ POLS 2306: Texas Politics

_____ Creative Arts

Recommended: ART 1309 or ARTH 2302

Advisor: _____

Date: _____