TEXAS TECH UNIVERSITY
Department *of* Computer Science™

Name: _____

TTU ID: _____

Current Semester: _____

Current GPA: _____

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

Text in red are prerequisites for the corresponding course.

1st Year

Fall
_____ *ENGR 1330: Computational Thinking

_____ *ENGR 1110: Engineering Seminar

_____ *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.

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

_____ *ENGL 1301: Essentials of College Rhet.

Spring
_____ *ENGR 1320: Bio-Inspired Design

_____ *MATH 1452: Calculus II
MATH 1451

_____ *PHYS 1408: Physics I
MATH 1451

_____ *ENGR 2392: Engineering Ethics

_____ *ENGL 1302: Advanced College Rhet.
ENGL 1301

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

2nd Year

Fall
_____ CS 1382: Disc. Computational Structures
ENGR 1330, MATH 1451

_____ CS 1412: Programming Principles
ENGR 1330

_____ ECE 2372: Modern Digital Systems Design
2.5 TTU GPA; MATH 1451 (co-req) and ENGR 1330

_____ MATH 2450: Calculus III
MATH 1452

_____ ENGL 2311: Technical Writing
ENGL 1302

Spring
_____ CS 2413: Data Structures
2.5 TTU GPA; CS 1412

_____ CS 3350: Comp. Org. & Assm. Lang.
2.5 TTU GPA; CS 1412 and ECE 2372

_____ PHYS 2401: Physics II
PHYS 1408 and MATH 1452

_____ MATH 2360: Linear Algebra
MATH 1452

_____ POLS 1301: American Government

3rd Year

Fall
_____ CS 2365: Object-Oriented Programming
CS 2413

_____ CS 3361: Concepts of Prog. Languages
CS 2413

_____ CS 3364: Design Analysis of Algorithms
CS 2413, CS 1382, MATH 2360

_____ MATH 3342: Statistics for Engineers
MATH 2450

_____ HIST 2300: U.S. History to 1877

Spring
_____ CS 3365: Software Engineering
CS 2413, CS 2365, and MATH 3342

_____ CS 3375: Computer Architecture
CS 3350

_____ CS 3383: Theory of Automata
CS 1382

_____ ^CS Elective
See CS Advisor for Elective List

_____ HIST 2301: U.S. History since 1877

4th Year

Fall
_____ CS 4352: Operating Systems
CS 3364 and CS 3375

_____ CS 4354: Database Systems
CS 3364

_____ ^CS Elective
See CS Advisor for Elective List

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

_____ POLS 2306: Texas Politics

Spring
_____ CS 4366: Senior Capstone Project
CS 3365

_____ ^CS Elective
See CS Advisor for Elective List

_____ ^CS Elective
See CS Advisor for Elective List

_____ Social & Behavioral Science
Recommended: SOC 1301 or GEOG 2300

_____ Creative Arts
Recommended: ART 1309 or ARTH 2302

Foreign Language:
Multicultural:

Advisor: _____   Date: _____