



# 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 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.

\_\_\_\_\_ \*ENGR 1340: Intro. to Eng. Design  
May also take 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 TTU GPA to enter the Computer Science major*

## 2nd Year

\_\_\_\_\_ 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

\_\_\_\_\_ 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

\_\_\_\_\_ 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

\_\_\_\_\_ CS 3365: Software Engineering  
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

\_\_\_\_\_ 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

\_\_\_\_\_ CS 4366: Senior Capstone Project  
CS 3365

\_\_\_\_\_ ^CS Elective  
See CS Advisor for Elective List

\_\_\_\_\_ ^CS Elective  
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\_\_\_\_\_ Social & Behavioral Science  
Recommended: SOC 1301 or GEOG 2300

\_\_\_\_\_ Creative Arts  
Recommended: ART 1309 or ARTH 2302

Advisor: \_\_\_\_\_

Date: \_\_\_\_\_