

TWU Computer Science – UNT Computer Engineering

2024-2025 Catalog: Sample Five-Year Schedule

YEAR ONE

Fall Semester	Course Title	Credit Hours	Spring Semester	Course Title	Credit Hours	Summer Semester	Course Title	Credit Hours
University Core	Mathematics Core	3	MATH 2014	Calculus I	4	HIST 1023	History of the United States	3
CSCI 1423 & 1421	Programming Fundamentals I and Lab	4	CSCI 2493	Programming Fundamentals II	3	POLS 2013	U.S. National Government	3
ENGL 1013	Composition I	3	CHEM 1113 & 1111	General Chemistry I & Lab	4	Total Hours		6
HIST 1013	History of the United States	3	POLS 2023	Texas Government	3			
UNIV 1231	Learning Frameworks	1	Total Hours		14			
Total Hours		14						

YEAR TWO

MATH 2024	Calculus II	4	MATH 2730	Multivariable Calculus	3			
CSCI 3053	Data Structures	3	CSCI 2443	Computer Org, and Machine Lang.	3			
CSCI 3423	Database Management	3	CSCI 3503	Operating Systems	3			
PHYS 2153 & 2151	General Physics I and Lab	4	PHYS 2163 & 2161	General Physics II and Lab	4			
Total Hours		14	MATH 2053	Women and Minorities in Engineering, Math, and Science	3			
			Total Hours		16			

YEAR THREE

MATH 2700	Linear Algebra	3	MATH 1780	Probability Models	3			
EENG 2710 & 2711	Digital Logic Design and Lab	4	EENG 2610 & 2611	Circuit Analysis and Lab	4			
CSCI 3413	Software Engineering	3	CSCI 3613	Algorithm Analysis and Design	3			
CSCI Elective	CSCI Elective	3	MATH 3013	Discrete Mathematics	3			
University Core	Social and Behavioral Sciences	3	University Core	Creative Arts	3			
Total Hours		16	Total Hours		16			

YEAR FOUR

CSCE 3010	Signals and Systems	3		CSCE 3020	Communication Systems	3			
CSCE 3600	Computer Systems	3		CSCE 3610	Introduction to Computer Architecture	3			
CSCE 3730	Reconfigurable Logic	3		CSCE 3612	Embedded Systems	3			
EENG 3510	Electronics I	3		TECM 2700	Technical Writing	3			
CSCI Elective	CSCI Elective	3		CSCI Elective	CSCI Elective	3			
Total Hours		15		Total Hours		15			

YEAR FIVE

CSCE 4910	Senior Design I	3		CSCE 4915	Senior Design II	3			
CSCE Specialty	CSCE Specialty Elective	3		CSCE 4011	Engineering Ethics	3			
CSCE Specialty	CSCE Specialty Elective	3		CSCE Specialty	CSCE Specialty Elective	3			
University Core	Language, Philosophy and Culture	3		TWU Core	Global Perspectives	3			
Total Hours		12		Total Hours		12			

Courses in **BLACK** are taken at TWU. Courses in **GREEN** are taken at UNT. Courses must be taken in a particular prerequisite order.
 ENGL, TECM, MATH, CHEM, PHYS, CSCI, CSCE, EENG, and Specialty Elective courses require minimum grade of "C" for completion and/or prerequisite.
 This is an unofficial sample schedule. Requirements, prerequisites, corequisites, and term offerings may change.
 UNT students should check their degree audit at mydegreaudit.unt.edu each term.
 UNT students should meet with their advisor each term to discuss individual scheduling, program decisions, etc.