

# TWU Mathematics – 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
MATH 2014	Calculus I	4	MATH 2024	Calculus II	4	HIST 1013	History of the United States	3
CSCI 1203	Computing Skills for a Digital World	3	MATH 2053	Women and Minorities in Engineering, Math, and Science	3	POLS 2013	U.S. National Government	3
CHEM 1113 & 1111	General Chemistry I & Lab	4	MATH 3073	Matrix Methods	3	Total Hours		6
ENGL 1013	Composition I	3	University Core	Creative Arts	3			
UNIV 1231	Learning Frameworks	1	University Core	Multicultural Woman's Studies CAO	3			
University Core	Wellness/Mathematics CAO	2	Total Hours		15			
Total Hours		15						

## YEAR TWO

MATH 3104	Calculus III	4	MATH 3123	Differential Equations	3	HIST 1023	History of the United States	3
MATH 3053	Abstract Algebra	3	MATH 3083	Elementary Number Theory	3	POLS 2023	Texas Government	3
PHYS 2153 & 2151	General Physics I and Lab	4	PHYS 2163 & 2161	General Physics II and Lab	4	Total Hours		6
CSCI 1423 & 1421	Programming Fundamentals I and Lab	4	MATH 3013	Discrete Mathematics	3			
Total Hours		15	CSCI 2493	Programming Fundamentals II	3			
			Total Hours		16			

## YEAR THREE

MATH 3063	Linear Algebra	3	MATH 4873	Real Analysis	3			
MATH 4013	Probability and Statistics	3	MATH Elective	MATH Elective	3			
MATH Elective	Math Elective	3	CSCI 3013	Applied Computational Thinking	3			
CSCI 3053	Data Structures	3	CSCI 2443	Computer Org, and Machine Lang.	3			
EENG 2710 & 2711	Digital Logic Design and Lab	4	EENG 2610 & 2611	Circuit Analysis and Lab	4			
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			
University Core	Social and Behavioral Sciences	3		University Core	Language, Philosophy and Culture	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			
MATH Elective	MATH Elective	3		Total Hours		9			
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](http://mydegreaudit.unt.edu) each term.  
 UNT students should meet with their advisor each term to discuss individual scheduling, program decisions, etc.