

TWU Mathematics – UNT Computer Engineering

2023-2024 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 1213 & 1211	Principles of 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	Systems Programming	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 mydegreeaudit.unt.edu each term.
UNT students should meet with their advisor each term to discuss individual scheduling, program decisions, etc.