

TWU Mathematics – UNT Electrical 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 or 2003	Computing Skills for a Digital World or Software Systems Design and Tools	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	CSCI 1423 & 1421	Programming Fundamentals I and Lab	4			
UNIV 1231	Learning Frameworks	1	University Core	Multicultural Woman's Studies CAO	3			
University Core	Wellness/Mathematics CAO	2	Total Hours		16			
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
TECM 2700	Technical Writing	3	MATH 3013	Discrete Mathematics	3			
EENG 1910	Intro. To Electrical Engineering	3	EENG 2905	Engineering Tools	3			
Total Hours		17	Total Hours		16			

YEAR THREE

MATH 3063	Linear Algebra	3	MATH 4873	Real Analysis	3			
MATH 4013	Probability and Statistics	3	CSCI 3013	Applied Computational Thinking	3			
University Core	Creative Arts	3	MATH Elective	MATH Elective	3			
EENG 2610 & 2611	Circuit Analysis and Lab	4	EENG 2620 & 2611	Signals and Systems and Lab	4			
EENG 2710 & 2711	Digital Logic and Lab	4	EENG 2920	Analog Circuit Design	3			
Total Hours		17	Total Hours		16			

YEAR FOUR

EENG 3410 & 3411	Electromagnetics and Lab	4		EENG 3520	Electronics II	3			
EENG 3510 & 3511	Electronics I and Lab	4		EENG 3710	Computer Organization	3			
EENG 3910	Embedded System Design Project	3		EENG 3810 & 3811	Communication Systems and lab	4			
MATH Elective	Math Elective	3		EENG 3920	Modern Comm. Systems Design	3			
University Core	Social and Behavioral Sciences	3		University Core	Language, Philosophy and Culture	3			
Total Hours		17		Total Hours		16			

YEAR FIVE

EENG 4910	Senior Design I	3		EENG 4990	Senior Design II	3			
EENG 4***	EENG 4*** Elective	3		EENG 4***	EENG 4*** Elective	3			
EENG 4***	EENG 4*** Elective	3		EENG 4***	EENG 4*** Elective	3			
EENG 4***	EENG 4*** Elective	3		MATH Elective	MATH Elective	3			
MATH Elective	MATH Elective	3		Total Hours		12			
Total Hours		15							

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, and EENG 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.