Dual Degree
BS, MATH + BS, Computer Engineering
Effective for the 2024 - 2025 Catalog

FIRST YEAR

SEMESTER 1	CREDIT HOURS	SEMESTER 2	CREDIT HOURS
MATH 2014 Calculus I (020)	4	MATH 2024 Calculus II	4
CSCI 1203 Computing Skills for a Digital World	3	MATH 2053 Women and Minorities in Engineering, Math, and Science	3
CHEM 1113 & 1111 General Chemistry I & Lab (030)	4	MATH 3073 Matrix Methods	3
ENGL 1013 Composition I (010)	3	Creative Arts (050)	3
UNIV 1231 Learning Frameworks (090)	1	Multicultural Woman's Studies CAO (090)	3
Wellness/Mathematics CAO (090)	2		
Total Semester Hours: 17		**Total Semester Hours: 16**	
SUMMER			
HIST 1013 History of the United States (060)	3	POLS 2013 U.S. National Government (070)	3

SECOND YEAR

SEMESTER 3	CREDIT HOURS	SEMESTER 4	CREDIT HOURS
MATH 3104 Calculus III	4	MATH 3123 Differential Equations	3
MATH 3053 Abstract Algebra	3	MATH 3083 Elementary Number Theory	3
PHYS 2153 General Physics I + 2151 PHYS Lab (030)	4	PHYS 2163 General Physics II + PHYS 2161 Lab	4
CSCI 1423 Programming Fundamentals I + CSCI 1421 Lab	4	MATH 3013 Discrete Mathematics	3
		CSCI 2493 Programming Fundamentals II	3
Total Semester Hours: 15		**Total Semester Hours: 16**	
SUMMER			
HIST 1023 History of the US (060)	3	POLS 2013 US National Government (070)	3

THIRD YEAR

SEMESTER 5	CREDIT HOURS	SEMESTER 6	CREDIT HOURS
MATH 3063 Linear Algebra	3	MATH 4873 Real Analysis	3
MATH 4013 Probability and Statistics	3	MATH Elective	3
MATH Elective	3	CSCI 3013 Applied Computational Thinking	3
CSCI 3053 Data Structures	3	CSCI 2443 Computer Org, and Machine Lang.	3
*EENG 2710 Digital Logic Design + EENG 2711 Lab	4	*EENG 2610 Circuit Analysis & EENG 2611 Lab	4
Total Semester Hours: 16		**Total Semester Hours: 16**	

FOURTH YEAR

SEMESTER 7	CREDIT HOURS	SEMESTER 8	CREDIT HOURS
*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 (010)	3
Social/Behavioral Science Course (080)	3	Language, Philosophy, and Culture (040)	3
Total Semester Hours: 15		**Total Semester Hours: 15**	

FIFTH YEAR

SEMESTER 7	CREDIT HOURS	SEMESTER 8	CREDIT HOURS
*CSCE 4910 Senior Design I	3	*CSCE 4915 Senior Design II	3
*CSCE Specialty Elective	3	*CSCE 4011 Engineering Ethics	3
*CSCE Specialty Elective	3	*CSCE Specialty Elective	3
MATH Elective	3		
Total Semester Hours: 15		**Total Semester Hours: 9**	

SPECIFIC PROGRAM NOTES:

- 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, ZOOL, BMEN, and Track Elective courses require a minimum grade of "C" for completion and/or prerequisite.
- 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.

- **This is not an official degree plan**. Consult with an academic advisor or transfer center for academic planning; degree plans and pathways are subject to change in later catalogs. **NOTE: Developmental and/or pre-requisite coursework may be required.**
- Students may take an optional course to meet this core requirement. These courses may be taken at their community college. Contact an Academic advisor at your institution.
- Subject to course availability and department approval. Consult with an academic advisor for academic planning.
- Texas Common Core Curriculum Code under the Texas Higher Education Coordinating Board.