



STEM

**Associate of Science – Field of Study in Computer Science
to
Bachelor of Science in Computer Science
Guided Pathway
Effective for the 2019-2020 catalog¹**



BHC CVC EFC ECC NLC RLC

First Year – Brookhaven, Cedar Valley, Eastfield, El Centro, North Lake, and Richland College²

FIRST SEMESTER		SECOND SEMESTER	
^C ENGL 1301 – Composition I (010)		^C ENGL 1302 – Composition II (010)	
^C HIST 1301 – United States History I (060)		^C HIST 1302 – United States History II* (060)	
^C MATH 2412 – Pre-Calculus Math ^A (020)		MATH 2413 – Calculus I	
COSC 1436 – Programming Fundamentals I		^C Social/Behavioral Sciences Core Elective* (080)	
		COSC 1437 – Programming Fundamentals II	

Second Year – Brookhaven, Cedar Valley, Eastfield, El Centro, North Lake, and Richland College

It's best to apply to UNT a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER		SECOND SEMESTER	
^C GOVT 2305 – Federal Government (070)		^C GOVT 2306 – Texas Government (070)	
MATH 2414 – Calculus II+		^C PHYS 2426 – University Physics II (030)	
^C PHYS 2425 – University Physics I (030)		Choose One: ^C ARTS 1301 – Art Appreciation*, (050) ^C DANC 2303 – Dance Appreciation*, (050) ^C DRAM 1310 – Introduction to Theater*, (050) ^C HUMA 1315 – Fine Arts Appreciation*, (050) ^C MUSI 1306 – Music Appreciation* (050)	
COSC 2436 – Programming Fundamentals III		COSC 2425 – Computer Organization	

Associate of Science – Field of Study in Computer Science (60 hours)

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

Third Year Courses – University of North Texas at Frisco

Students must fulfill UNT admissions requirements which can be found on the UNT website.

Some courses may be taken at the community college.

UNT will require a Language, philosophy and culture core course and MATH 2305 Discrete Mathematics.

FIRST SEMESTER		SECOND SEMESTER	
CSCE 3600 Principles of Systems Programming (3 CH)		CSCE 4010 Social Issues in Computing (3 CH)	
CSCE 3055 IT Project Management (3 CH)		CSCE 3605 Systems Administration (3 CH)	
010 TECM 2700 Technical Writing (3 CH) (If ENGL 2311 was not already completed) Course can be taken at UNT Frisco, online, or Collin College		CSCE 3615 Enterprise Systems Architecture and Design (3 CH)	
Supporting area course (3 CH) ^A		CSCE 4350 Fundamentals of Database Systems (3 CH)	
MATH 1780 Probability (3 CH)		030 CHEM 1410/1430 General Chemistry for Science Majors I (4 CH) (or alternative science course)	

Summer 2019

Supporting area course (3 CH) ^A
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Fourth Year Courses – University of North Texas at Frisco

FIRST SEMESTER		SECOND SEMESTER	
CSCE 3220 Human Computer Interfaces (3 CH)		CSCE 4925 Information Technology Capstone II (3 CH)	
CSCE 3420 Internet Programming (3 CH)		CSCE 4535 Introduction to Network Administration (3 CH)	
CSCE 3530 Introduction to Computer Networks (3 CH)		CSCE 4550 Introduction to Computer Security (3 CH)	
CSCE 4905 Information Technology Capstone I (3 CH)		CSCE 4355 Database Administration (3 CH)	
Supporting Area course (3 CH) ^A		Supporting Area course (1-3 CH) ^A	

BA Information Technology

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

UNT at Frisco course rotation subject to change.

¹ Degree plans may change in later catalogs. You may use this pathway if you entered one of the seven colleges on or before this date.

² Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven DCCCD colleges awarding the degree.

^A To register for MATH 2413, students must have completed the prerequisite math courses as follows: MATH 1314, MATH 1316, MATH 2412

^C This course counts for the Core Curriculum at any public college or university in Texas. This degree **does not** include all Core course requirements.

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

+ Some universities require the completion of MATH 2415, as well.

You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics course and receive a GPA of at least 2.00 on all college-level course work.

() Course numbers shown in parentheses are equivalent to these courses at UNT.

Approved: 2019-2020 Guided Pathway