



**AS Computer Science (Field of Study)
to Bachelor of Arts in Information Technology
Guided Pathway**
Effective beginning with the 2019-2020 catalog



First Year - Collin College

(Developmental coursework may be required.)

FIRST SEMESTER	SECOND SEMESTER
◦ ENGL 1301 Composition I	◦ ENGL 1302 Comp. II or ENGL 2311 Tech. & Bus. Writing
◦ MATH 2413 Calculus I	◦ PHYS 2425 University Physics I
◦ Speech (see list below) – 3 hours	◦ MATH 2414 Calculus II
◦ History (see list below) – 3 hours	COSC 1437 Programming Fundamentals II
COSC 1336 Programming Fundamentals I	
16 credit hours	15 credit hours

Second Year - Collin College

Apply to UNT a full semester before you plan to transfer, providing a copy of this pathway document is recommended.

FIRST SEMESTER	SECOND SEMESTER
◦ GOVT 2305 Federal Government	◦ GOVT 2306 Texas Government
◦ PHYS 2426 University Physics II	◦ Creative Arts (see list below) – 3 hours
◦ Social/Behavioral Science (see list below) – 3 hours	COSC 2325 Computer Organization and Machine Language
COSC 2436 Programming Fundamentals III	◦ Language, Culture, & Philosophy (see list below) – 3 hours
	◦ History (see list below) – 3 hours
14 credit hours	15 credit hours

AS in Computer Science

Contact your advisor at Collin College for information about applying for your Associate's degree.

Third Year – University of North Texas at Frisco

Students must fulfill University of North Texas admissions requirements which can be found on the University of North Texas website.

SUMMER SEMESTER
MATH 2305 Discrete Mathematics – 3 hours
3 credit hours

FIRST SEMESTER	SECOND SEMESTER
CSCS 3600 Principles of Systems Programming (3 CH)	CSCS 4010 Social Issues in Computing (3 CH)
CSCS 3055 IT Project Management (3 CH)	CSCS 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	CSCS 3615 Enterprise Systems Architecture and Design (3 CH)
Supporting area course (3 CH) [^]	CSCS 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)
15 credit hours	16 credit hours

SUMMER
Supporting area course (3 CH) [^]
3 credit hours

Fourth Year – University of North Texas at Frisco

FIRST SEMESTER	SECOND SEMESTER
CSCS 3220 Human Computer Interfaces (3 CH)	CSCS 4925 Information Technology Capstone II (3 CH)
CSCS 3420 Internet Programming (3 CH)	CSCS 4535 Introduction to Network Administration (3 CH)
CSCS 3530 Introduction to Computer Networks (3 CH)	CSCS 4550 Introduction to Computer Security (3 CH)
CSCS 4905 Information Technology Capstone I (3 CH)	CSCS 4355 Database Administration (3 CH)
Supporting Area course (3 CH) [^]	Supporting Area course (1-3 CH) [^]
15 credit hours	13-15 credit hours

UNT - 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.

Collin College

Mathematics – AS degree MUST choose TWO from: MATH 1314, 1414, 1316, 1342, 2305, 2318, 2320, 2412, 2413, 2414, 2415. AA degree may choose ONE from above or ONE from: MATH 1324, 1325, 1332, 1350, 1351

Speech – choose one from: SPCH 1311, 1315, or 1321

Life & Physical Sciences – choose two from: BIOL 1406, 1407, 1414, 1415, 2401, 2402, 2406, 2416, 2421, CHEM 1411, 1412, 2423, 2425, ENVR 1401, 1402, GEOL 1403, 1404, PHYS 1401, 1402, 2425, 2426. (AA and degree may also choose from: BIOL 1408, 1409, 2404, 2420, CHEM 1405, GEOL, 1401, 1402, 1445, 1447, PHYS 1403, 1404, 1405, 1410, 1415, 1417)

History – choose two from: HIST 1301, 1302, 2301

Language, Philosophy, & Culture - choose one from: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, HIST 2311, 2312, 2321, 2322, HUMA 1301, PHIL 1301, 1304, 2303, 2306, 2307, 2321

Creative Arts - choose one from: ARTS 1301, 1303, 1304, 1313, DANC 2303, DRAM 1310, 2361, 2362, 2366, MUSI 1306, 1307, 1310

Social and Behavioral Sciences – choose one from: ANTH 2302, 2346, 2351, ECON 2301, 2302, PSYC 2301, SOCI 1301, 1306

Elective – choose one from: EDUC 1300, KINE 1164, 1304, 1338, OR any core course not used to meet other requirements. (AS degree may use this for the second math course)

Required Electives - choose at least 18 hours from one or multiple areas of choice or a Field of Study. (AS degree may use this for the second math course.)

BA Information Technology

Contact the UNT at Frisco Transfer Generalist Academic Advising Office at (972) 668–7100 or UNTFrisco.Advising@unt.edu.