



AS Computer Science to  
Bachelor of Arts majoring in Information Technology  
**Guided Pathway**  
Effective for the 2019-2020 Catalog



**First Year – Central Texas College**

FIRST SEMESTER	SECOND SEMESTER
<sup>c</sup> COSC 1301 Introduction to Computing	<sup>c</sup> COSC 1336 Programming Fundamentals I
<sup>c</sup> COSC 1315 Introduction to Computer Programming	<sup>c</sup> SPCH 1321 or 1318
<sup>c</sup> ENGL 1301 Composition I	<sup>c</sup> PHYS 1415 Physical Science I
<sup>c</sup> MATH 1332, 1342, or 1314	<sup>c</sup> ANTH 2351 Cultural Anthropology
<sup>c</sup> HIST 1301 United States History I	<sup>c</sup> HIST 1302 United States History II

Total Semester Hours: 15

Total Semester Hours: 16

**Second Year – Central Texas 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
<sup>c</sup> COSC 1337 Programming Fundamentals II	<sup>c</sup> COSC 2336 Programming Fundamentals III
<sup>c</sup> COSC 2325 Computer Organization	<sup>c</sup> GOVT 2306 Texas Government
<sup>c</sup> HUMA 1315 Fine Arts Appreciation	<sup>c</sup> ENVR 1401 Environmental Science I
<sup>c</sup> GOVT 2305 Federal Government	* Approved Elective
<sup>c</sup> PSYC 2315 Psychology of Adjustment	

Total Semester Hours: 15

Total Semester Hours: 14

**AS: Computer Science**

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

**Third Year – University of North Texas at Frisco**

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

**UNT requires the following courses ENGL 2311, MATH 2413 Calculus I, CHEM or BIOL for majors, MATH 2414 Calculus II, PHYS 2425, MATH 2305 Discrete Mathematics, and PHYS 2425. These may be taken as core requirements. Please talk with your advisor. If not taken at the community college, these courses would need to be taken at the university**

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) <sup>^</sup>	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)

Total Semester Hours: 15

Total Semester Hours: 16

**Summer 2019**

Supporting area course (3 CH) <sup>^</sup>	3 credit hours
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**Fourth Year – 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) <sup>^</sup>	Supporting Area course (1-3 CH) <sup>^</sup>

Total Semester Hours: 15

Total Semester Hours: 13-15

**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.**

Part-time students may also follow this sequence. Developmental coursework may be required.

\* You may take a different course to meet this requirement. A specific list is available from your advisor.

<sup>c</sup> This course counts for the Core Curriculum at any public college or university in Texas.

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

For questions about the University portion of this pathway,  
Contact the **UNT at Frisco Transfer Generalist Academic Advising Office** at (972) 668-7100 or email [UNTFrisco.Advising@unt.edu](mailto:UNTFrisco.Advising@unt.edu)