



AS in Computer Science to
Bachelor of Science in Computer Science
With an Artificial Intelligence and Data Science Concentration ^T



Guided Pathway
Effective for the 2021-2022 Catalog
First Year – Central Texas College

FIRST SEMESTER	SECOND SEMESTER
COSC 1301 Introduction to Computing	COSC 1336 Programming Fundamentals I
COSC 1315 Introduction to Computer Programming	^C SPCH 1318 or 1321 (010)
^C ENGL 1301 Composition I (010)	^C Language, Philosophy and Culture (040)
^C MATH Mathematics (020) (TSU requires MATH 1342 Elementary Statistical Methods)	^C Life and Physical Sciences (030) (TSU requires PHYS 2425 University Physics I)
^C HIST 1301 United States History I (060)	^C HIST 1302 United States History II (060)
Total Semester Hours: 15	Total Semester Hours: 16

Second Year – Central Texas College

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
COSC 1337 Programming Fundamentals II	COSC 2336 Programming Fundamentals III
COSC 2325 Computer Organization	^C GOVT 2306 Texas Government (070)
^C Creative Arts (050)	^C Life and Physical Sciences (030) (TSU requires 4 credits)
^C GOVT 2305 Federal Government (070)	^{C*} Approved Elective (090) (TSU requires ENGL 1302 Composition II)
^C Social and Behavioral Sciences Selection (080)	
Total Semester Hours: 15	Total Semester Hours: 13

AS: Computer Science

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

These courses may be completed at CTC (if offered) or TSU

MATH 2413 Calculus I	^C Any General Education 1 Credit Course
MATH 2414 Calculus II	MATH 2305 Discrete Mathematics
COSC 1302 Intro to Computer Science	COSC 2321 C++ Programming
COSC 2331 Java Programming	COSC 2448 Intro to Digital Systems Design
Total Semester Hours: 14	Total Semester Hours: 11

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Total Semester Hours: 12	Total Semester Hours: 12

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	
Total Semester Hours: 10	Total Semester Hours: 9

Total Degree Hours: 127

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

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.

^C 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 Tarleton State University.

^T Degree availability varies by campus; consult www.tarleton.edu for more information.