



**Associate of Science in Computer Science to
Bachelor of Science in Computer Science
With a Computer Engineering Concentration †
Guided Pathway
Effective for the 2021-2022 Catalog**



First Year – Tyler Junior College

FIRST SEMESTER	SECOND SEMESTER
COSC 1436 Programming Fundamentals	COSC 2325 Computer Organization
^C ENGL 1301 Composition I	MATH 2414 Calculus II
^C MATH 2413 Calculus I	^C PHYS 2425 University Physics I
^C HIST 1301 United States History I	^C HIST 1302 United States History II*
Total Semester Hours: 14	Total Semester Hours: 14

Second Year – Tyler Junior College

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

FIRST SEMESTER	SECOND SEMESTER
COSC 1437 Programming Fundamentals II	COSC 2436 Programming Fundamentals III
^C GOVT 2305 Federal Government	^C GOVT 2306 Texas Government
^C PHYS 2426 University Physics II	^C xxxx x3xx Language, Philosophy & Culture Core
MATH 2305 Discrete Mathematics	^C SPCH 1315 Public Speaking*
^C xxxx x3xx Social and Behavioral Sciences Core	Xxxx x2xx Elective (TSU requires ^C * Any Core Elective (1 credit min))
Total Semester Hours: 17	Total Semester Hours: 15

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 TJC (if offered) or TSU

^C ENGL 1302 Composition II	^C * Creative Arts Core Elective
MATH 1342 Elementary Statistical Methods	COSC 2321 C++ Programming
COSC 1302 Introduction to Computer Science	COSC 2448 Introduction to Digital Systems Design
COSC 2331 Java Programming	ELEN 2425 Electrical Circuit Theory
MATH 2320 Differential Equations	
Total Semester Hours: 15	Total Semester Hours: 14

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
Total Semester Hours: 10	Total Semester Hours: 7

Total Degree Hours: 130

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.

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