



Associate of Science-Computer Science to
Bachelor of Science in Computer Science
General Concentration^T



Guided Pathway

Effective for the 2019-2020 Catalog
First Year – Galveston College

FIRST SEMESTER	SECOND SEMESTER
^C ENGL 1301 Composition I	^C ENGL 1302 Composition II
^C HIST 1301 US History I	^C HIST 1302 US History II
^C MATH 2413 Calculus I	^C MATH 2414 Calculus II
COSC 1336 Programming Fundamentals I	COSC 1337 Programming Fundamentals II
^C Communication Elective	^C Creative Arts Elective

Total Semester Hours: 16

Total Semester Hours: 16

Second Year – Galveston College

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

FIRST SEMESTER	SECOND SEMESTER
^C GOVT 2305 Federal Government	^C GOVT 2306 Texas Government
COSC 2325 Computer Organization	^C PHYS 2426 University Physics II
^C PHYS 2425 University Physics I	^C Language, Philosophy & Culture Elective
COSC 2336 Programming Fundamentals III	^C Social & Behavioral Science Elective
	MATH 1342 Elementary Statistical Methods

Total Semester Hours: 13

Total Semester Hours: 16

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 GC or TSU

^C First Year Seminar Elective (Learning Frameworks)	COSC 2331 – Introduction to Java Programming
COSC 1302 – Introduction to Computer Science	COSC 2321 – C++ Programming (Spring Only)
COSC 2341 – Data Structures	COSC 1310 – Procedural Programming
	COSC 2448 – Introduction to Digital Systems Design

Total Semester Hours: 20-22

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
COSC 3443 – Computer Architecture (Fall Only)	COSC 3380 – Operating Systems (Spring Only)
COSC 4478 – Computer Networks (Fall Only)	COSC 3489 – Software Engineering I (Spring Only)
MATH 3310 – Discrete Mathematics (Fall Only)	Advanced COSC or approved MATH, BCIS, or Digital Media Studies Elective
	Advanced COSC or approved MATH, BCIS, or Digital Media Studies Elective

Total Semester Hours: 11

Total Semester Hours: 13

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
	COSC 4401 – Database Theory and Practice (Spring Odd Years)
Advanced Technical Elective	Advanced Technical Elective
Advanced COSC or approved MATH, BCIS, or Digital Media Studies Elective	Advanced Technical Elective
Advanced COSC or approved MATH, BCIS, or Digital Media Studies Elective	Advanced COSC or approved MATH, BCIS, or Digital Media Studies Elective

Total Semester Hours: 9

Total Semester Hours: 13

TOTAL: 127-129

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.

For questions about the University portion of this pathway, contact the Engineering and Computer Science Department at 254-968-9863..