



STEM

**Associate of Science to
Bachelor of Business Administration in
Computer Information Systems[†]
Guided Pathway
Effective for the 2019-2020 catalog¹**



BHC CVC EFC ECC MVC NLC RLC

First Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College²

FIRST SEMESTER	SECOND SEMESTER
^C ENGL 1301 – Composition I (010)	^C ENGL 1302 – Composition II (010)
^C HIST 1301 – United States History I (060)	^C HIST 1302 – United States History II* (060) <u>OR</u> ^C HIST 2301 – Texas History* (060)
^C MATH 2413 – Calculus I [▲] (020)	^C ECON 2301 – Principles of Macroeconomics* (080)
EDUC 1300 – Learning Framework [@]	^C SPCH 1311 – Introduction to Speech Communication* (090) <u>OR</u> ^C SPCH 1315 – Public Speaking* (090)
^C PHED 1164 – Introduction to Physical Fitness and Wellness (090)	<u>Choose One:</u> ^C ARTS 1301 – Art Appreciation* (050) ^C DRAM 1310 – Introduction to Theater* (050) ^C MUSI 1306 – Music Appreciation* (050)
Total Semester Hours: 14	Total Semester Hours: 15

SUMMER SEMESTER	
MATH 2414 – Calculus II+ <u>OR</u> MATH 1342 – Elementary Statistical Methods+	
^C CHEM 1411 – General Chemistry I+ (030) <u>OR</u> ^C BIOL 1406 – Biology for Science Majors I+ (030)	
Total Semester Hours: 7-8	

Second Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College

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

FIRST SEMESTER	SECOND SEMESTER
<u>Choose One:</u> ^C ENGL 2332 – World Literature I* (040) ^C PHIL 1301 – Introduction to Philosophy* (040) ^C PHIL 2306 – Introduction to Ethics* (040)	ACCT 2302 – Principles of Managerial Accounting
^C GOVT 2305 – Federal Government (070)	ECON 2302 – Principles of Microeconomics
ACCT 2301 – Principles of Financial Accounting	^C GOVT 2306 – Texas Government (070)
^C PHYS 2426 – University Physics II+ (030) <u>OR</u> ^C CHEM 1412 – General Chemistry II+ (030)	Elective+ (3 Hours) <u>OR</u> MATH 2305 – Discrete Mathematics+
Total Semester Hours: 13	Total Semester Hours: 12

Associate of Science (61 hours)

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 taken at DCCCD or TSU	
MATH 1316 – Plane Trigonometry <u>OR</u> MATH 1324 – Math for Business & Social Sciences I <u>OR</u> MATH 1325 – Math for Business & Social Sciences II <u>OR</u> MATH 2412 – Precalculus Math <u>OR</u> MATH 2413 – Calculus I	BUSI 1301 – Business Principles
BCIS or COSC Elective	BUSI 2301 – Business Law
BCIS 1305 – Business Computer Applications	

Total Semester Hours: 15-16

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
MKTG 3312 – Marketing	BCIS 3389 – System Analysis and Design
MGMT 3300 – Principles of Management	Advanced BCIS or COSC Elective
BCIS 3333 – C# Programming <u>OR</u> BCIS 3332 – Java Programming	BCIS 3343 – Advanced C# Programming <u>OR</u> BCIS 3342 – Advanced Java Programming
BCIS 3347 – Data Communications	BUSI 3312 – Business Communication

Total Semester Hours: 12

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Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BCIS 4355 – Global Information Systems	Advanced BCIS or COSC Elective
BCIS 4350 – Management Information Systems	BUSI 4359 – Business Strategy
FINC 3301 – Principles of Financial Management	Advanced BCIS or COSC Elective
BCIS 4301 – Database Theory and Practice	Advanced BCIS or COSC Elective

Total Semester Hours: 12

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TOTAL: 121-122

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.

¹ You may use this pathway if you entered one of the seven colleges on or before this date.

² Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven colleges of the DCCCD awarding the degree.

^C This course counts for the Core Curriculum at any public college or university in Texas.

[@] All college students with fewer than 12 semester credit hours of successful college credit (grade of "C" or above) should take a student success course in the first semester.

[▲] To register for MATH 2413, students must have completed the prerequisite math courses as follows: MATH 1314, MATH 1316, MATH 2412

^{*} There are several options to fulfill this requirement. See your academic advisor for a specific list.

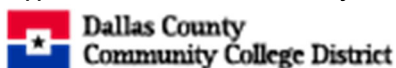
⁺ Choose the appropriate course options based on the university to which you will transfer. See your academic advisor for specific details.

[†] You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics course and receive a GPA of at least 2.00 on all college-level course work.

⁽⁾ 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.

Approved: 2019-2020 Guided Pathway



For questions about the University portion of this guided pathway,
contact the Computer Information Systems & Marketing department at 254-968-9047.