



AAS - Computer Systems – Database Development Track to
Bachelor of Applied Arts and Sciences in
Information Technology^T



Guided Pathway

Effective for the 2019- 2020 catalog

First Year - Collin College

FIRST SEMESTER	SECOND SEMESTER
COSC 1315 – Introduction to Computer Programming*	COSC 1337 – Programming Fundamentals II*
ECON 1301 – Introduction to Economics*	ENGL 1301 – Composition I (010)
ITSW 1304 – Introduction to Spreadsheets – Excel	ITNW 1358 – Network+
ITSW 1307 – Introduction to Database – Access	ITSE 2309 – Database Programming - SQL
MATH 1324 – College Algebra* (020)	MATH 1342 – Elementary Statistical Methods (020)

Total Semester Hours: 15 SCH

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Second Year - Collin College

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

FIRST SEMESTER	SECOND SEMESTER
ENGL 2311 – Technical and Business Writing	ITSC 2380 – Cooperative Education - Computer and Information Sciences, General (Capstone)*
ITSE 1311 – Beginning Web Programming	ITSE 2347 – Advanced Database Programming
ITSE 2370 – Descriptive Analytics	ITSY 2354 – Advanced Oracle PL/SQL
ITSW 2370 – SAS Programming	ITSY 1300 – Fundamentals of Information Security (Security+)
SPCH 1321 – Business and Professional Speaking* (090)	PHIL 2303 – Introduction to Logic* (040)

Total Semester Hours: 15 SCH

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

Total Semester Hours: 26

Third Year – Tarleton State University

These courses may be completed at Collin (if offered) or TSU – Stephenville Campus

C*Life and Physical Science Core Elective (4 cr)	C*Life and Physical Science Core Elective (4 cr)
HIST 1301 – United States History I	HIST 1302 – United States History II
C*Social and Behavioral Science Core Elective	GOVT 2305 – Federal Government
GOVT 2306 – Texas Government	C*Creative Arts Core Elective

FIRST SEMESTER	SECOND SEMESTER
BCIS 3333 C# Programming OR BCIS 3332 Java Programming	BCIS 3389 System Analysis and Design
BUSI 3312 Business Communication OR ENGL 3309 Technical Writing and Document Design	BCIS 4350 Management Information System
Advanced BCIS Elective	BCIS 4301 Database Theory and Practice
BCIS 3347 Data Communications	Approved Advanced Elective ^x
Approved Advanced Elective ^x	Approved Advanced Elective ^x

Total Semester Hours: 15

Total Semester Hours: 15

Fourth Year – Tarleton State University

FIRST SEMESTER
Advanced BCIS Elective
BCIS 4359 Strategic Application of Information Systems
Advanced BCIS Elective
Approved Advanced Elective ^x
Approved Advanced Elective ^x

Total Semester Hours: 15

Total Degree Hours: 131

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.

° 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.

^x Choose from courses with the following subject prefixes: BCIS, ARTS, COSC, ENGT, ENGR, ECON, ACCT, BLAW, FINC, MGMT, BUSI, MKTG.

***Collin Options:**

Mathematics/Life & Physical Sciences –MATH 1314, 1414, 1316, 1342, 2305, 2318, 2320, 2412, 2413, 2414, 2415, 1324, 1325, 1332, 1350, 1351, BIOL 1406, 1407, 1414, 1415, 2401, 2402, 2406, 2416, 2421, 1408, 1409, 2404, 2420, CHEM 1411, 1412, 2423, 2425, 1405, GEOL, 1401, ENVR 1401, 1402, GEOL 1403, 1404, PHYS 1401, 1402, 2425, 2426, 1402, 1445, 1447, 1403, 1404, 1405, 1410, 1415, 1417

Humanities/Fine Arts - choose one from: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, HIST 2311, 2312, 2321, 2322, HUMA 1301, PHIL 1301, 1304, 2303, 2306, 2307, 2321, ARTS 1301, 1303, 1304, 1313, DANC 2303, DRAM 1310, 2361, 2362, 2366, MUSI 1306, 1307, 1310

Social and Behavioral Sciences – choose one from: ANTH 2302, 2346, 2351, ECON 2301, 2302, PSYC 2301, SOCI 1301, 1306, GOVT 2305, 2306, HIST 1301, 1302, 2301

Speech – choose one from: SPCH 1311, 1315, 1321

For questions about the university portion of this pathway,
contact the Marketing and Computer Information Systems Department at 254-968-9047.