



AAS E- Business Development –
Mobile Application Development Track to
Bachelor of Applied Arts and Sciences
Information Technology^T
Guided Pathway
Effective for the 2019-2020 Catalog



First Year-Collin College

FIRST SEMESTER	SECOND SEMESTER
^C HIST 1301 – United State History I (060)	COSC 1337 - Programming Fundamentals II (Java)
^C ENGL 1301 - Composition I (010)	IMED 1341 - Interface Design
ITSE 1311 - Beginning Web Programming	ITSE 1301 - Web Design Tools - Graphics
ITSW 1307 - Introduction to Database - Access	ITSE 1371 - iOS Programming Fundamentals (Swift)
^C GEN ED - Mathematics course* (020)	ITSE 2302 - Intermediate Web Programming

Total Semester Hours: 15

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SUMMER SEMESTER

^C ECON 1301 - Introduction to Economics* (080)	^C GEN ED - Fine Arts course* (050)
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Total Semester Hours: 6

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
^C SPCH 1321 – Business & Professional Communication* (090)	INEW 2330 - Comprehensive Software Project: Planning & Design (Capstone) *
ITSE 1373 - Android Mobile Programming I	ITSE 1374 - Mobile Web
ITSE 2309 - Database Programming - SQL	ITSY 1300 - Fundamentals of Information Security (Security +)
ITSE 2310 - iOS Application Programming	
ITNW 1358 - Network+	

Total Semester Hours: 15

Total Semester Hours: 9

AAS: Computer Networking - Integrated Technologies Track

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 Collin College (if offered) or TSU-Stephenville Campus

^{C*} Life and Physical Science Core Elective (4 credit) (030)	^{C*} Any Core Course (090) (1-3 credits)
^{C*} Life and Physical Science Core Elective (4 credit) (030)	^C HIST1302 – United States History II (060)
^C GOVT 2305 – Federal Government (070)	^C GOVT 2306 – Texas Government (070)
^{C*} Language, Philosophy and Culture Core Elective (040)	^C ENGL 1302 – Composition II (010)

Total Semester Hours: 22-24

Third Year – Tarleton State University

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: 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.

^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