



STEM

**Associate in Applied Science in
Computer Information Technology – Software
Programmer/Developer to
Bachelor of Applied Arts and Sciences
with a focus in Information Technology
Guided Pathway
Effective for the 2019-2020 catalog¹**



First Year – Brookhaven, North Lake, and Richland College²

FIRST SEMESTER	SECOND SEMESTER
ITSW 1407 – Introduction to Database <u>OR</u> ITMT 1403 – Querying Microsoft SQL Server w/Transact-SQL <u>OR</u> ITSE 1445 – Introduction to Oracle SQL	ITSE or COSC X4XX Introductory Course+
ITSE 1429 – Programming Logic and Design	IMED 1416 – Web Design I
ITNW 1425 – Fundamentals of Networking Technologies	Technical Elective++
^c Mathematics Elective* (020)	^c ENGL 1301 – Composition I (010)
	^c SPCH 1311 – Introduction to Speech Communication (090) <u>OR</u> ^c SPCH 1315 – Public Speaking (090) <u>OR</u> ^c SPCH 1321 – Business and Professional Communication (090)
Total Semester Hours: 15	Total Semester Hours: 15

Second Year – Brookhaven, North Lake, and Richland College

It's best to apply to UNT a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER	SECOND SEMESTER
Operating Systems Course+++	Advanced Specialization Course+
ITSE or COSC X4XX Introductory Course+	ITSY 1400 – Fundamentals of Information Security
Advanced Specialization Course+ [@]	ITSE 1450 – System Analysis and Design
^c Social/Behavioral Science Elective* (060, 070 OR 080)	^c Humanities/Fine Arts Elective* (040 OR 050)
Total Semester Hours: 15	Total Semester Hours: 15

AAS: Computer Information Technology – Software Programmer/Developer (60 hours)

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

Summer - University of North Texas

FIRST SEMESTER	SECOND SEMESTER
CSCS 1030 – Computer Science I (COSC 1436)	CSCS 1040 – Computer Science II (COSC 1437)
Total Semester Hours: 7	

Third Year - University of North Texas

FIRST SEMESTER	SECOND SEMESTER
BAAS 3020 - Inquiry and Discovery	BAAS 3000 – Pathways to Civic Engagement
^c PSCI 2305 – American Gov't: Process & Policies (GOVT 2305)	^c Life and Physical Science, or Math if science course taken in first year.
^c ENGL 1320 – College Writing II (ENGL 1302)	^c PSCI 2306 - US and Texas Constitutions and Institutions (GOVT 2306)
CSCS 2100 – Computer Foundations I (MATH 2305)	CSCS 2110 – Computing Foundations II (COSC 2336)
Elective 3XXX-4XXX	Elective 3XXX-4XXX
Total Semester Hours: 15	Total Semester Hours: 16

Summer SEMESTER

Elective 3XXX-4XXX
Total Semester Hours: 3

Fourth Year - University of North Texas

FIRST SEMESTER	SECOND SEMESTER
^c Life and Physical Science	BAAS 4100 - Managing a 21 st Century Career
^c HIST 2610 – US History to 1865 (HIST 1301)	^c HIST 2620 – US History since 1865 (HIST 1302)
^c Fine Arts course or Humanities if Fine Arts taken in first year. 3XXX-4XXX Level	^c Component Area Option 3XXX-4XXX
CSCS 3XXX-4XXX	CSCS 3XXX-4XXX
CSCS 3XXX-4XXX	CSCS 3XXX-4XXX
Total Semester Hours: 15	Total Semester Hours: 15

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.

³ To earn the Software Programmer/Developer Assistant Certificate (PDC), you must complete one of the listed courses: ITSC 1401, BOIS 1405, or COSC 1301. For those who demonstrate current computer literacy, course(s) may be substituted. Speak with your advisor for more information.

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

⁺ You may take a different course to meet this requirement. A specific list is available from your advisor.

⁺⁺ Introductory and Advanced Specialization courses can be taken from the following emphases: Generic Programming, Visual Basic, Net, Java, C++, and/or C#. A specific list of courses can be found in the catalog and with your advisor.

⁺⁺⁺ Technical Elective must be selected from the following: IMED 1191, ITCC 1191, ITNW 1164, ITNW 1192, ITSC 1164, ITSC 1166, ITSC 1171, ITSC 1191, ITSE 1191, or ITSY 1191

⁺⁺⁺⁺ Operating Systems Courses must be selected from the following: ITSC 1405, ITSC 1407, ITSC 1416, ITMT 1458, ITNW 1408, ITNW 1413

[@] Check with your advisor to make sure the classes you select for this specialization will count toward both the AAS degree and the Certificates.

[!] You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics course.

(j) Course numbers shown in parentheses are equivalent to these courses at UNT.

Approved: 2019-2020 Guided Pathway

UNT Focus Areas/Concentrations:

In this plan, one Applied Arts and Science concentration is drawn from the community college coursework. An 8 course focus area is also included in this sample plan. Alternative concentrations could be selected in consultation with your academic advisor.

For questions about the University portion of this degree plan, contact the UNT Applied Arts and Sciences Unit Office at (940) 369-8129, baas@unt.edu <http://baas.unt.edu>

