STEM

● BHC ● NLC ● RLC

First Year – Brookhaven, North Lake, and Richland College[2]

FIRST SEMESTER	SECOND SEMESTER
ITSW 1407 – Introduction to Database *OR* **ITMT 1403** – Querying Microsoft SQL Server w/Transact-SQL *OR* **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**++**
CMathematics Elective* (020)	**CENGL 1301** – Composition I (010)
	CSPCH 1311 – Introduction to Speech Communication (090) *OR* **CSPCH 1315** – Public Speaking (090) *OR* **CSPCH 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
CSocial/Behavioral Science Elective* (060, 070 OR 080)	**CHumanities/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.

Third Year Courses – University of North Texas

FIRST SEMESTER	SECOND SEMESTER
BAAS 3020 - Inquiry and Discovery	**BAAS 3000** – Pathways to Civic Engagement
CENGL 1320 – College Writing II (**ENGL 1302**)	**CPSCI 2306** - US and Texas Constitutions and Institutions (**GOVT 2306**)
CPSCI 2305 – American Gov't: Process & Policies (**GOVT 2305**)	**CLife and Physical Science, or Math if science course taken in first year.**
CLife and Physical Science, or Math if science course taken in first year.	**BCIS 3610** – Basic Information Systems (Conc. 2)
BCIS 2610 **–** Introduction to Computers in Business (Conc. 2)	**3XXX-4XXX Concentration 3**
Total Semester Hours: 15	**Total Semester Hours: 15**

Fourth Year Courses – University of North Texas

FIRST SEMESTER	SECOND SEMESTER
CHIST 2610 – US History to 1865 (**HIST 1301**)	**BAAS 4100** - Managing a 21st Century Career
CComponent Area Option 3XXX-4XXX	**CHIST 2620** – US History since1865 (**HIST 1302**)
3XXX-4XXX Concentration 3	**CFine Arts course or Humanities if Fine Arts taken in first year. 3XXX-4XXX Level**
3XXX-4XXX Concentration 3	**3XXX-4XXX Concentration 3**
BCIS 3620 – Mainframe Concepts (Cons. 2)	**BCIS 4610** – Analysis of Business Information Systems (Conc. 2)
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.
^ To earn the Software Programmer/Developer Assistant Certificate (PDC), you must complete one of the listed courses: ITSC 1401, BCIS 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.
() Course numbers shown in parentheses are equivalent to these courses at UNT.
Approved: 2019-2020 Guided Pathway

UNT Concentrations:

In this plan, one Applied Arts and Science concentration is drawn from the community college coursework. A second is shown for illustration, and a third left open. There are many other possible concentrations that can 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*

DALLAS COUNTY Community College District