# Associate of Applied Science in Cyber Security – Cyber Defense Emphasis to Bachelor in Applied Arts and Sciences With a Focus in Computer Science Guided Pathway
## Effective for the 2019-2020 catalog[1]

**STEM**

🟣 RLC

## First Year – Richland College[2]

| FIRST SEMESTER | SECOND SEMESTER |
|---|---|
| CENGL 1301 – Composition I (010) | ITSY 1400 – Fundamentals of Information Security |
| ITCC 1414 – CCNA 1: Introduction to Networks | ITMT 2405 – Designing and Implementing a Server Infrastructure |
| CMATH 1314 – College Algebra (020) | ITCC 1440 – CCNA 2: Routing and Switching Essentials |
| ITSC 1416 – Linux Installation and Configuration | CSPCH 1321 – Business and Professional Communication (090) |
| POFI 1104 – Computer Fundamentals# | |

## Second Year – 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 |
|---|---|
| ITMT 1457 – Administering a Windows Server Operating System | ITSY 2401 – Firewalls and Network Security |
| ITSY 1442 – Information Technology Security | ITSC 2425 – Advanced Linux |
| ITSE 1429 – Programming Logic and Design | ITSY 2472 – Ethical Hacking and System Defense OR ITSY 2486 – Internship-Computer and Information Security |
| CHumanities/Fine Arts Elective* (040 or 050) | CSocial/Behavioral Sciences Elective* (060, 070 or 080) |

### AAS: Cyber Security – Cyber Defense Emphasis (60 hours)
You will need to apply for the associate degree at your community college. Contact your advisor there for more information.

## Summer - University of North Texas

| FIRST SEMESTER | SECOND SEMESTER |
|---|---|
| CSCE 1030 – Computer Science I (COSC 1436) | CSCE 1040 – Computer Science II (COSC 1437) |

## 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 (010) | CLife and Physical Science (030) |
| CLife and Physical Science (030) | C Humanities Course (040) or CFine Arts course (050) depending on what student has already taken 3XXX-4XXX. |
| CSCE 2100 – Computer Foundations I (MATH 2305) | CSCE 2110 – Computing Foundations II (COSC 2336) |
| Elective 3XXX-4XXX | Elective 3XXX-4XXX |

## Summer - University of North Texas

| FIRST SEMESTER |
|---|
| Elective 3XXX-4XXX |

## Fourth Year Courses – University of North Texas

| FIRST SEMESTER | SECOND SEMESTER |
|---|---|
| CPSCI 2305 – American Gov't: Process & Policies (070) | BAAS 4100 - Managing a 21st Century Career |
| CHIST 2610 – US History to 1865 (060) | CPSCI 2306 - US and Texas Constitutions and Institutions (070) |
| CComponent Area 3XXX-4XXX (090) | CHIST 2620 – US History since 1865 (060) |
| CSCE 3XXXX-4XXX | CSCE 3XXXX-4XXX |
| CSCE 3XXXX-4XXX | CSCE 3XXXX-4XXX |

**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.

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

**#** *Students must choose Word Processing Skills or Spreadsheet Skills.*

*You must earn a grade of "C" or better in English 1301 and MATH 1314.*

**()** 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.

**Dallas County Community College District**