



**TRANSFER PATHWAY  
(For Transfer to Ashford University)  
ASSOCIATE OF APPLIED SCIENCE IN CYBER SECURITY – NETWORK  
SECURITY ADMINISTRATION EMPHASIS TO  
BACHELOR OF SCIENCE IN CYBER & DATA SECURITY TECHNOLOGY**

**Catalog Year** 2020-2021      You may use this pathway if you entered Dallas College on or before this date.

**Career Path** Engineering, Technology, Mathematics and Sciences

**Available at** Richland Campus

**TSI** Must be Complete

### SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

Although there may be several options to fulfill certain requirements for the associate's degree, please note that this pathway lists the specific courses leading to this bachelor's degree. All plans can be modified to fit the needs of part-time students. This is not an official degree plan. Refer to catalog for official degree requirements. You must receive a GPA of at least 2.00 on all college-level course work. Students must earn at least 25% of the credit hours required for graduation through instruction by Dallas College. Certain courses for this program are only offered at the Richland Campus. Contact your advisor for information.

#### AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

#### SEMESTER 1 Total Hours: 15

**ENGL 1301** – Composition I *This is a (CB 010) Core course. Must earn a grade of "C" or higher.*  
**ITCC 1414** – CCNA 1: Introduction to Networks  
**MATH 1314** – College Algebra *This is a (CB 020) Core course. Must earn a grade of "C" or higher.*  
**ITSC 1416** – Linux Installation and Configuration  
**POFI 1104** – Computer Fundamentals *Students must choose Word Processing Skills or Spreadsheet Skills.*

#### SEMESTER 2 Total Hours: 15

**ITSY 1400** – Fundamentals of Information Security  
**ITMT 2405** – Designing and Implementing a Server Infrastructure  
**ITDF 1400** – Introduction to Digital Forensics  
**SPCH 1321** – Business and Professional Communication *This is a (CB 090) Core course.*

#### SEMESTER 3 Total Hours: 15

**ITSY 2442** – Incident Response and Handling  
**ITSY 2401** – Firewalls and Network Security  
**ITSE 1429** – Programming Logic and Design  
**Humanities/Fine Arts Core Elective** *This is a (CB 040 or CB 050) Core course. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.*

#### SEMESTER 4 Total Hours: 15

**ITCC 2412** – CCNA 3: Scaling Networks  
**ITSY 1442** – Information Technology  
**Social/Behavioral Science Core Elective** *This is a (CB 080) Core course. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.*  
**CHOOSE ONE:** **ITSY 2472** – Ethical Hacking and System Defense **OR**  
**ITSY 2486** – Internship-Computer and Information Systems Security

**ASHFORD UNIVERSITY**  
**(For Transfer From Dallas College)**  
**ASSOCIATE OF APPLIED SCIENCE IN CYBER SECURITY – NETWORK**  
**SECURITY ADMINISTRATION EMPHASIS TO**  
**BACHELOR OF SCIENCE IN CYBER & DATA SECURITY TECHNOLOGY**

**SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS**

For questions about the Ashford University portion of this transfer pathway, contact the **Academic Partners Office at [Articulation@Ashford.edu](mailto:Articulation@Ashford.edu)**. It is best to apply to Ashford University 3-5 weeks before you plan to transfer. It will help if you submit a copy of this pathway with your application as well as an unofficial transcript showing your degree. All courses starting at semester 2 are required, unless otherwise noted.

**SEMESTER 1**

**Total Hours: 15**

**BUS 105** – Business & Academic Success *This is the required entry-point course.*  
**GEN 103** – Information Literacy  
**ENG 122** – English Composition II  
**PHI 103** – Informal Logic  
**GEN 499** – General Education *Capstone*

**SEMESTER 2**

**Total Hours: 15**

**MAT 232** – Statistical Literacy  
**ECO 203** – Principles of Macroeconomics  
**ENG 328** – Scientific & Technical Writing *Prerequisites: ENG 122 and Fulfillment of General Education Scientific Reasoning requirement.*  
**CPT 301** – Computer Organization and Architecture *Prerequisite: CPT 200*  
**CPT 304** – Operating Systems Theory and Design *Prerequisite: CPT 200*

**SEMESTER 3**

**Total Hours: 15**

**CPT 307** – Data Structures and Algorithms *Prerequisite: CPT 200*  
**CPT 310** – Database System Management *Prerequisite: CPT 307*  
**CST 301** – Computer Software Technology and Design *Prerequisite: CPT 310*  
**TMG 300** – Scrum Basics  
**CYB 301** – Introduction to Cyber & Data Security Technology

**SEMESTER 4**

**Total Hours: 15**

**CYB 302** – Secure Web Applications and Social Networking  
**CYB 400** – Cryptography  
**CYB 401** – Risk Management and Infrastructure  
**CYB 402** – Computer Forensics  
**CYB 499** – Capstone for Cyber & Data Security Technology *Prerequisite: GEN 499*

*Please note: course sequence may vary based on course availability and student's individual transfer credit situation. We recommend students work with their Academic Advisor during their second course, to ensure they are not scheduled for any duplicative courses pending their official transfer credit evaluation.*

*Successful completion of this program by itself does not provide licensure or certification in any state, regardless of concentration or specialization.*