DALLAS COLLEGE

(For Transfer to National University)
ASSOCIATE OF APPLIED SCIENCE IN CYBER SECURITY – SYSTEM
SECURITY ADMINISTRATION EMPHASIS TO
BACHELOR OF SCIENCE IN CYBERSECURITY

Catalog Year	2021-2022 *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
ITSC 1425 – Personal Computer Hardware
SPCH 1321 – Business and Professional Communication *This is a (CB 090) Core course.*

SEMESTER 3	Total Hours: 15

ITSY 2442 – Incident Response and Handling
ITMT 1457 – Administering a Windows Server Operating System
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

ITSC 2425 – Advanced Linux
ITMT 2404 – Implementing an Advanced Server Infrastructure
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 2400** – Operating System Security **OR**
ITSY 2486 – Internship-Computer and Information Systems Security

NATIONAL UNIVERSITY
(For Transfer From Dallas College)
ASSOCIATE OF APPLIED SCIENCE IN CYBER SECURITY – SYSTEM
SECURITY ADMINISTRATION EMPHASIS TO
BACHELOR OF SCIENCE IN CYBERSECURITY

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

For questions about the National University portion of this transfer pathway, contact the **Academic Advising Office at (855) 355-6288 or advisor@nu.edu**. It is best to apply to National University a full semester before you plan to transfer. It will help if you submit a copy of this

pathway with your application. Each class at National University is one month (4 weeks) long. Students take one class per month. Students can complete 6 courses during each semester. Each class is 4.5 quarter units, which is equivalent to 3 semester units at Dallas College.

SEMESTER 1	**Total Hours: 27 quarter units**

CYB 204 – Operating System Fundamentals (4 weeks)
CYB 206 – Introduction to Cybersecurity (4 weeks)
CYB 213 – Data Fundamentals for Cybersec (4 weeks)
CYB 215 – Fund of Virt and Cloud Comp (4 weeks)
CYB 216 – Programming for Cybersecurity (4 weeks)
CYB 320 – Tech Writing/Proj Mgmt for CYB (4 weeks)

SEMESTER 2	**Total Hours: 27 quarter units**

CYB 331 – Secure Linux System Admin (4 weeks)
CYB 332 – Secure Windows Administration (4 weeks)
CYB 333 – Security Automation (4 weeks)
CYB 340 – Sys Sec Arch for Cybersec (4 weeks)
CYB 420 – Sec Audit and Assessments (4 weeks)
CYB 450 – Cyber Threat Intelligence (4 weeks)

SEMESTER 3	**Total Hours: 27 quarter units**

CYB 451 – Incident Handling/Response (4 weeks)
CYB 452 – Intro to Ethical Hacking (4 weeks)
CYB 453 – Network Defense (4 weeks)
CYB 454 – Cybersec Planning and Policy (4 weeks)
CYB 499A – Cybersecurity Project I (4 weeks)
CYB 499B – Cybersecurity Project II (4 weeks)

SEMESTER 4	**Total Hours: 27 quarter units**

CYB 499C – Cybersecurity Project III (4 weeks)
One Concentration or Upper Division Elective course (4 weeks)
One Concentration or Upper Division Elective course (4 weeks)
One Concentration or Upper Division Elective course (4 weeks)
One Concentration or Upper Division Elective course (4 weeks)
One Upper Division General Elective course (4 weeks)

Please see program catalog for the BSCYB Concentration, Upper Division Elective, and General Education Upper Division courses

TOTAL UNITS TO COMPLETE	**Total Hours: 108 quarter units**

Note: In addition to Preparatory, Major Core, and Upper Division/Concentration Courses for the **Bachelor of Science in Cybersecurity** at National University, all students are required to complete 70.5 quarter units of General Education. Students completing the **Associate of Applied Science in Cyber Security with Emphasis in System Security Administration** at Dallas College will need to complete an additional estimated 51 quarter units (34.5 semester units) of GE to meet program and unit requirements. For more information, please see National University's catalog: https://www.nu.edu/catalog/

Approved: 2021-2022 Guided Pathway; Approved by National University 9.8.2021