

PROGRAM
TRANSFER GUIDE



This transfer guide is intended for students pursuing an Associate Degree in Information Assurance and Cybersecurity at Harford Community College who are interested in pursuing a Bachelor's Degree in Information Technology at Towson University. This transfer guide outlines the courses and program requirements a student should follow to satisfy degree requirements at Harford Community College in order to complete both the HCC and TU degrees within a total of 4 years and 120 credits.

Associate Degree in Information Assurance and Cybersecurity

Effective Term:
Spring 2026

Bachelor's Degree in Information Technology

YEAR 1 - Harford Community College

Fall	TU Equivalent	Credits	Spring	TU Equivalent	Credits
CIS 102 Introduction to Information Sciences (GI) (Core 4)	COSC 111	3	CIS 104 Computer Operating Systems*	ITEC 274	3
ENG 101 English Composition (GE) © (Core 2)	ENGL 102	3	CIS 211 MS Windows Server Operating System	COSC TLL	3
ISS 105 Intro to Cybersecurity (GI)*	CIS T77 (377)	3	CIS 135 Introduction to Networks*	ITEC 250	3
PHIL 221 Business Ethics (GAH) © (Core 5)	PHIL T71 (371)	3	BIO 100 Fundamentals of Biology (GL) © (Core 7)	BIOL 120/120L	4
MATH 216 Introduction to Statistics (GM) © (Core 3)*	MATH 231	3	PSY 101 General Psychology (GB) © (Core 6)	PSYC 101	3
TOTAL CREDITS:		15	TOTAL CREDITS:		16

YEAR 2 - Harford Community College

Fall	TU Equivalent	Credits	Spring	TU Equivalent	Credits
CIS 210 Fundamentals of Network Security	COSC TLL	3	ISS 221 Network Defense & Countermeasures*	ITEC F50 (450)	3
ISS 111 Cisco 1	COSC TLL	4	CIS 217 Introduction to Web Programming*	ITEC 231	3
ISS 112 Cisco 2*	COSC 236	4	ISS 213 Cisco 3*	COSC 237	4
ISS 220 Strategic Infrastructure Security*	CIS 211	3	Physical Education Elective	PHEA TLL	1
CMST 101 Speech Fundamentals (GI) © (Core 13)	COMM 131	3	Choose one of the following: (see notes)		4
			CIS 134 Fundamentals of Cloud Administration	COSC TLL	
			CIS 110 Introduction to UNIX/Linux	COSC TLL	
TOTAL CREDITS:		17	TOTAL CREDITS:		15

YEAR 3 - Towson University

Fall	Credits	Spring	Credits
Core 10 Metropolitan Perspectives	3	ENGL 317 Writing for Business and Industry (Core 9)*	3
MATH 115 College Algebra*	3	MATH 263 Discrete Mathematics*	3
Core 12 Global Perspectives	3	ITEC 315 Data and Information Management*	3
Major Elective or Track Course*	3	ITEC 325 System Administration and Maintenance*	3
Core 11 The United States as a Nation	3	Major Elective or Track Course*	3
TOTAL CREDITS: 15		TOTAL CREDITS: 15	

YEAR 4 - Towson University

Fall	Credits	Spring	Credits
Core 8 Biological and Physical Sciences	3	COSC 418 Ethical and Societal Concerns of Computer Scientists (Core 14)*	3
Major Elective or Track Course*	3	Major Elective or Track Course*	3
Major Elective or Track Course*	3	Elective or Track Course*	3
ITEC 345 Scripting Languages*	3	CIS 435 Human-Computer Interaction*	3
		ITEC 411 System Architecture and Integration*	3
TOTAL CREDITS: 12		TOTAL CREDITS: 15	

* Denotes course that must be completed with a grade of C or better ** Must consult with a TU Academic Advisor © Core Curriculum

Notes & Recommendations from Towson University:

- * Core 1 at TU is automatically waived for all transfer students.
- * Students must follow the course selections outlined in this agreement. Failing to complete the specified courses will require them to fulfill remaining requirements at TU and could jeopardize their ability to earn a bachelor's degree within two years.
- *Courses with the ♦ symbol are recommendations only; consult with advising for alternate options to complete all coursework within four years.
- *Course equivalents ending in TLL are general lower-level elective coursework at TU.
- *CIS 217 at HCC will satisfy COSC 237 at TU and substitute for the HCC course ISS 222 for this agreement only.
- *TU recommends taking HCC's CIS 134 or CIS 110 during the fourth semester.

Bachelor's degree requirements for all students:

- A cumulative grade point average (GPA) of 2.0 is required.
- A C grade (2.0 GPA) or higher is required for all major courses and prerequisites.
- 32 credits of the bachelor's degree must be completed at the upper level (courses numbered 300 or above) at TU