

**ACADEMIC PROGRAM ARTICULATION AGREEMENT BETWEEN
COMMUNITY COLLEGE OF BALTIMORE COUNTY AND
THE UNIVERSITY OF BALTIMORE REGARDING TRANSFER FROM THE
ASSOCIATE OF APPLIED SCIENCE IN CYBERSECURITY TO THE BACHELOR OF
SCIENCE IN APPLIED INFORMATION TECHNOLOGY, CYBERSECURITY.**

This Academic Program Articulation Agreement (“Agreement”) is entered into by and between **Community College of Baltimore County** (the “Sending Institution”) and **The University of Baltimore** (the “Receiving Institution”) (collectively, the “Institutions”) to facilitate the transfer of academic credits from **Associate of Applied Science in Cybersecurity** for the completion of **Bachelor of Science in Applied Information Technology, Cybersecurity**.

A. Qualifying Students

This Agreement pertains to the transfer of “Qualifying Students”, *i.e.*, those students who:

1. Have successfully completed the program at the Sending Institution;
2. Are enrolled in the Sending Institution, in good standing; and
3. Are accepted for admission to the Receiving Institution

B. Responsibilities of the Institutions

The Institutions agree to implement the transfer of Qualifying Students in accordance with applicable law and the following requirements and protocols:

1. A Qualifying Student may transfer into from the Transferring Institution into the Receiving Institution for the completion of the Program.
2. Courses that the Receiving School will accept credits for towards completion of the Program include:

Transfer Plan

Community College of Baltimore County

Associate of Applied Science in Cybersecurity to The University of Baltimore’s Bachelor of Science in Applied Information Technology, Cybersecurity

This transfer plan is intended for students pursuing an **Associate of Applied Science in Cybersecurity** at Community College of Baltimore County who are interested in pursuing a **Bachelor of Science in Applied Information Technology, Cybersecurity**. The equivalencies below demonstrate how a student can meet both the requirements of the associate degree and prepare for a seamless transfer to The University of Baltimore. Please note:

- Only courses that have course equivalencies are displayed. This guide does not show all transferrable courses from this college.
- UBalt grants credit by exam through IB, and AP, More information can be found in the UBalt [Admission Undergraduate \(freshman and Transfer\) Admission pdf](#). For financial

aid and scholarship information, please see the website, [University of Baltimore Financial Aid, Admission](#) for more information.

- Transfer plans are intended to be used as planning tools. If you need additional assistance in selecting courses to take prior to transferring to The University of Baltimore, contact their Office of Admissions at 410-837-4777.

Course by Course Equivalency (UBalt Catalog, 2020-2021; CCBC Catalog, 2020-2021)

General Education Requirements

CCBC Course	Credits	UBalt Equivalency	Credits	Notes
ENGL 101-College Composition I	3	WRIT 101-College Composition	3	General Education

General Education Electives¹

Choose a course in each category from the list of approved

CCBC Course	Credits	UBalt Equivalency	Credits	Notes
Arts and Humanities (CMNS 101 recommended)	3	CMAT 201-Communicating Effectively	3	General Education
Biological and Physical Sciences	3-4	Depends on Course Taken	3-4	General Education
Information Technology (CSIT 101 , CSIT 111 , or CSIT 120)	3	Depends on Course Taken, COSC 100-Introduction to Computer Tech*	3	General Education
Mathematics	3-4	Depends on Course Taken (Calculus not required)	3-4	General Education
Social and Behavioral Sciences	3	Depends on Course Taken	3	General Education

Program Requirements

CCBC Course	Credits	UBalt Equivalency	Credits
DCOM 101-Introduction to Data Communications	3		
DCOM 142-Introduction to Linux/UNIX	3	AITC 212*	3
DCOM 211-Introduction to Firewalls	3	Elective	3
DCOM 212-Introduction to Intrusion Detection/Prevention Systems	3	Elective	3
DCOM 214-Operating Systems Security (effective fall 2021, this course will	4	Elective	4

¹ One general education course must fulfill the diversity course requirement

CCBC Course	Credits	UBalt Equivalency	Credits
be replaced with CSIT 216-Python Programming)			
DCOM 215-Ethical Hacking and System Defense	4	Elective	4
DCOM 217-CCNA I: Introduction to Networks	4	Elective	4
DCOM 218-CCNA II: Switching, Routing, and Wireless Essentials	4	Elective	4
DCOM 219-CCNA III: Enterprise Networking, Security, and Automation	4	AITC 310, if C or better in DCOM 101, 217, 218 and 219	4
DCOM 224-Advanced Linux Administration	4	Elective	4
DCOM 258-Introduction to Information Security	3	Elective	3

Program Electives

CCBC Course	Credits	UBalt Equivalency	Credits	Notes
Choose any DCOM course	3-4	DCOM 141=AITC 210*	3	Major
Total Credits	60-63		60-63	

* Course will transfer as a major requirement only if a grade of C or better is earned, otherwise, the course will transfer as an elective.

Courses that are defined as general education by one institution shall transfer as general education even if the receiving institution does not have that specific course or has not designated that course as general education (MHEC Student Transfer Policy)

Students can transfer in a maximum of 63 credits.

Remaining Courses

Students will take the following courses at The University of Baltimore to meet their graduation requirements. Students who transfer before completing the **Associate of Applied Science in Cybersecurity** may have additional program and graduation requirements to take and fewer free electives.

Major Requirements

All transfer students will be required to take a minimum of 60 credits of coursework at The University of Baltimore. A minimum total of 120 credits are required for the degree.

Completion of the **Bachelor of Science in Applied Information Technology, Cybersecurity** requires students to successfully complete the following course work:

UBalt Course	Credits
AITC 151-Computer Programming I	3
AITC 212-Introduction to Linux	3
AITC 251-Computer Programming II	3
AITC 253-Client -Side Web Programming	3
AITC 332-Fundamentals of Computer Security	3
AITC 356-Database Systems	3
AITC 461-IT Project Management	3
GAME 324-Designing for Humans	3
AITC 490-Capstone in Information Technology	3
MATH 303-Applied Probability and Statistics	3
MATH 321-Mathematical Structure for Information Technology	3
AITC 312-Administering and Supporting a Network Operating System	3
AITC 352-Advanced Scripting and Task Automation	3
AITC 416-Wireless Networking: Applications and Security	3
AITC 431-Applied Cryptography	3
AITC 432-Information Assurance	3
AITC 433-Network Security	3
AITC 434-Web and Database Security	3
AITC 435-Digital Forensics for Information Technology	3
WRIT 300-Composition and Research	3
IDIS 302-Ethical Issues in Business and Society	3
Electives Additional General Education and Graduation Requirements may be included.	As needed
Total credits to be taken at UBalt	63-70

3. Additional Provisions

- Courses that fulfill program requirements are only eligible to apply for the major at UBalt if students have earned a grade of “C” or better. Courses used to fulfill only general education requirements are eligible for transfer if students have earned a grade of “D” or better, with the exception of ENGL 101, which requires a “C- “or better.
 - Students intending to transfer should complete the admission application for 4 -Year following the third semester of their Associate Degree program.
4. The Receiving Institution shall designate, and shall provide to the Sending Institution, the contact information for a staff person at the Receiving Institution who is responsible for the oversight of the transfer of Qualifying Students. The Sending Institution shall designate, and shall provide to the Receiving Institution, the contact information for a staff person at the

Sending Institution who is responsible for the oversight of the transfer of Qualifying Students.

Oversite of Records	Sending Institution	Receiving Institution
Name of staff person responsible for oversight	Deb Baker	Candace Caraco
Title of staff person	Assistant Registrar	Associate Provost
Email address	dbaker@ccbcmd.edu	Ccaraco@ubalt.edu
Telephone Number	443-840-4647	410-837-5243

Should the staff person or position change, the institution will promptly provide new contact information to the partner institution and inform the Maryland Higher Education Commission of the change.

Additional contact information:

Articulation Agreement Contact	Sending Institution
Name of person	Nicole Zampino
Title of person	Coordinator of Transfer and Degree Acceleration
Email address	nzairi@ccbcmd.edu
Telephone Number	443.840.4647

5. If the Qualifying Student is using federal Title 38 VA Education Benefits (GI Bill® Education Benefits), the Institutions shall adhere to all applicable U.S. Department of Veterans Affairs' regulations, including the regulations governing the awarding prior credit, as regulated under Title 38, Code of Federal Regulations, Sections 21.4253(d)(3) and 21.4254(c)(4).
6. Each Institution shall adhere to all applicable transfer requirements set forth in the Annotated Code of Maryland and the Code of Maryland Regulations.
7. Each Institution shall advise students regarding transfer opportunities under this Agreement, and shall advise students of financial aid opportunities and implications associated with the transfer.
8. Should either Institution make changes to program requirements, the institution will inform the partner institution immediately. The articulation agreement should be updated to reflect the changes and forwarded to the Maryland Higher Education Commission.

C. Term and Termination

1. This agreement shall be effective on the date that it is signed by the appropriate and authorized representatives of each Institution.

2. Either Institution may, at its sole discretion, terminate this Agreement upon delivering 60 days written notice to the other Institution and the Maryland Higher Education Commission.
3. Both Institutions agree to meet once every 2 year(s) to review the terms of this agreement, and renew or apply edits in written correspondence, copied to each party referenced in this document.

D. Amendment

1. This Agreement constitutes the entire understanding and agreement of the Institutions with respect to their rights and obligations in carrying out the terms of the Agreement, and supersedes any prior or contemporaneous agreements or understandings.
2. This Agreement may be modified only by written amendment executed by both Institutions.

E. Governing Law

This Agreement shall be governed by, and construed in accordance with, the laws of the State of Maryland.

F. Counterparts

This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same agreement.

G. Notice of Agreement

1. The Institutions agree to provide a copy of this Agreement, with any amendments, to the Maryland Higher Education Commission.
2. The Institutions agree to provide copies of this Agreement to all relevant individuals and departments of the Institutions, including but not limited to students, academic department chairs participating in the transfer, offices of the president, registrar's offices, and financial aid offices.

H. No Third-Party Beneficiaries

There are no third-party beneficiaries to this Agreement.

I. Representations and Warranties of the Parties

Both Institutions represent and warrant that the following shall be true and correct as of the Effective Date of this Agreement, and shall continue to be true and correct during the term of this Agreement:

1. The Institutions are and shall remain in compliance with all applicable federal, state, and local statutes, laws, ordinances, and regulations relating to this Agreement, as amended from time to time.
2. Each Institution has taken all action necessary for the approval and execution of this Agreement.