



**Suggested Transfer Pathway**  
**Montgomery College A.A.S in Cybersecurity to**  
**University of Maryland University College**  
**B.S. in Computer Networks and Cybersecurity**



Catalog Year: 2016-2017

**Year One – Montgomery College**

| Fall Semester  | Cr        |
|--|-----------|
| CMSC110 Computer Concepts                                    | 3         |
| NWIT127 Microcomputer Control Programs                       | 3         |
| ENGL101 (if needed for ENGL102/103, or other writing course) | 3         |
| NWIT151 Introduction to Networking                           | 3         |
| NWIT252 Cisco Networking 2                                   | 3         |
| Health Foundation  | 1         |
| <b>Total Credits</b>   | <b>16</b> |

(Courses may be taken in any order)

| Spring Semester                          | Cr        |
|--|-----------|
| MATH110 or higher                        | 3         |
| CMSC253 UNIX/LINUX System Administration | 4         |
| NWIT263 Intro to Digital Forensics       | 3         |
| NWIT173 Network Security                 | 3         |
| ENGL102 or ENGL103, English Foundation   | 3         |
| <b>Total Credits</b>                     | <b>16</b> |

**Year Two – Montgomery College**

| Fall Semester                               | Cr        |
|---|-----------|
| NWIT245 Hardening the Infrastructure        | 3         |
| PHIL140 Introduction to the Study of Ethics | 3         |
| NWIT203 Microsoft Windows Server            | 3         |
| Natural Sciences Distribution with Lab      | 4         |
| <b>Total Credits</b>                        | <b>13</b> |

| Spring Semester                             | Cr        |
|---|-----------|
| Behavioral and Social Sciences Distribution | 3         |
| Arts or Humanities Distribution             | 3         |
| NWIT246 Network Defense & Countermeasures   | 3         |
| NWIT290 Information Security Capstone       | 3         |
| COMM108 or COMM112, Speech Foundation       | 3         |
| <b>Total Credits</b>                        | <b>15</b> |

**Apply to graduate from Montgomery College with an [Associate of Applied Science in Cybersecurity](#)**

Students are required to earn at least a “C” grade in all courses in order for the course grade to be eligible for transfer credit unless it is a general education course. Students must have a 2.0 minimum cumulative GPA to obtain the A.A.S. degree in Cybersecurity.

**Year Three – University of Maryland University College**

| Fall Semester  | Cr        |
|--|-----------|
| WRTG 393 <i>Or other upper-level advanced writing GenEd course</i>               | 3         |
| BEHS 103 <i>Or other behavioral/social sci. from a 2<sup>nd</sup> discipline</i> | 3         |
| NSCI 100 <i>Or other 3-credit biological/physical science</i>                    | 3         |
| LIBS 150 Introduction to Research  | 1         |
| Elective   | 2         |
| CMIT 350 Interconnecting Cisco Devices   | 3         |
| <b>Total Credits</b>   | <b>15</b> |

| Spring Semester                      | Cr        |
|--------------------------------------|-----------|
| CMIT 391 Linux System Administration | 3         |
| CCJS 321 or any Upper-Level CMIT     | 3         |
| Elective                             | 3         |
| Elective                             | 3         |
| Upper-Level Elective                 | 3         |
| <b>Total Credits</b>                 | <b>15</b> |

**Year Four – University of Maryland University College**

| Fall Semester                    | Cr        |
|----------------------------------|-----------|
| CCJS 321 or any Upper-Level CMIT | 3         |
| CCJS 321 or any Upper-Level CMIT | 3         |
| Upper-Level Elective             | 3         |
| Upper-Level Elective             | 3         |
| Upper-Level Elective             | 3         |
| <b>Total Credits</b>             | <b>15</b> |

| Spring Semester  | Cr        |
|--|-----------|
| CMIT 495 Current Trends & Projects in Computer Networking & Security | 3         |
| Upper-Level Elective   | 3         |
| <b>Total Credits</b>   | <b>15</b> |

Contact: [transfer@montgomerycollege.edu](mailto:transfer@montgomerycollege.edu)

**MC [A.A.S. in Cybersecurity](#) to UMUC [B.S. in Cybersecurity Management and Policy](#)**

Catalog Year: 2016-2017

| <b>Name:</b>                                       | <b>Date:</b>  | <b>ID#</b> |              |
|--|---------------|------------|--------------|
| <b>Foundation Courses</b>                          | <b>COURSE</b> | <b>HRS</b> | <b>GRADE</b> |
| English Foundation (ENGL102 or ENGL103)            | ENGL          | 3          |              |
| Math Foundation MATH110 or higher                  | MATH          | 3          |              |
| Speech Foundation (COMM108 or COMM112)             | COMM          | 3          |              |
| Health Foundation                                  | HLTH          | 1          |              |
| <b>Distribution Courses</b>                        | <b>COURSE</b> | <b>HRS</b> | <b>GRADE</b> |
| Humanities or Arts Distribution (HIST recommended) |               | 3          |              |
| Behavioral and Social Science Distribution         |               | 3          |              |
| Natural Science Lab Distribution                   |               | 3          |              |
| <b>Program Requirements and Electives</b>          | <b>COURSE</b> | <b>HRS</b> | <b>GRADE</b> |
| Computer Concepts                                  | CMSC110       | 3          |              |
| Microcomputer Control Programs                     | NWIT127       | 3          |              |
| Introduction to Networking                         | NWIT151       | 3          |              |
| Network Security                                   | NWIT173       | 3          |              |
| Microsoft Windows Server                           | NWIT203       | 3          |              |
| Hardening the Infrastructure                       | NWIT245       | 3          |              |
| Network Defense and Countermeasures                | NWIT246       | 3          |              |
| Cisco Networking 2                                 | NWIT252       | 3          |              |
| UNIX/LINUX System Administration                   | CMSC253       | 4          |              |
| Introduction to Digital Forensics                  | NWIT263       | 3          |              |
| Information Security Capstone                      | NWIT290       | 3          |              |
| Introduction to the Study of Ethics                | PHIL140       | 3          |              |
| Introduction to College Writing                    | ENGL101       | 3          |              |

Notes: Students are required to earn at least a “C” grade in all courses in order for the course grade to be eligible for transfer credit unless it is a general education course. Students must have a 2.0 minimum cumulative GPA to obtain the A.A.S. degree in Cybersecurity.

[www.umuc.edu/academic-programs/bachelors-degrees/cyber-security-major.cfm](http://www.umuc.edu/academic-programs/bachelors-degrees/cyber-security-major.cfm)

**UMUC Contact:**

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