

**Bachelor of Science: Majoring in Cybersecurity (CYB)**  
**Transfer Pathway Guide for Mott Community College**

This is a tool designed to assist Mott students transferring to the University of Michigan-Flint. This is not a self-advising tool.

**University of Michigan-Flint****Mott Community College**

| ✓ | General Education Requirements                | Course Equivalent                                                                                                          |
|---|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|   | English Composition - 3 credit hours          | ENGL 101 Composition I <b>OR</b> MTA satisfies                                                                             |
|   | English Composition (COMP) - 3 credit hours   | ENGL 102 Comp I <b>OR</b> COMM 131 Fund of Public Speaking <b>OR</b> COMM 200 Survey of Human Comm <b>OR</b> MTA satisfies |
|   | Social Science (S) - 6 credit hours           | Options at: <a href="https://transfer.umflint.edu">Transfer.umflint.edu</a> <b>OR</b> MTA satisfies                        |
|   | Humanities (H) - 6 credit hours               | Options at: <a href="https://transfer.umflint.edu">Transfer.umflint.edu</a> <b>OR</b> MTA satisfies                        |
|   | Fine Arts (F) - 3 credit hours                | Options at: <a href="https://transfer.umflint.edu">Transfer.umflint.edu</a> <b>OR</b> MTA satisfies                        |
|   | Mathematics - 3 credit hours                  | MATH 165: Applied Calculus <b>OR</b> MTA satisfies                                                                         |
|   | Natural Science (N/NL)- 4 credit hours w/ lab | Options at: <a href="https://transfer.umflint.edu">Transfer.umflint.edu</a> <b>OR</b> MTA satisfies                        |

Add'l credit hours of the student's designation choice are required to complete 30 credit hours. MTA meets this requirement.

**Required Program Curriculum**

|  | Prerequisites                                                                                                                                                                                            | Course Equivalent                                                     |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
|  | CIT 100: Technology Foundations                                                                                                                                                                          | <a href="#">Completed at UM-Flint</a>                                 |
|  | CSC 137: Fundamentals of Unix/Linux                                                                                                                                                                      | COMS 130: Introduction to Linux Administration                        |
|  | CYB 101: Security Fundamentals I                                                                                                                                                                         | COMN 184: Information Security in a Digital Age                       |
|  | Programming Foundations                                                                                                                                                                                  | Course Equivalent                                                     |
|  | CSC 175: Problem Solving & Prog <b>OR</b><br>CSC 176: Problem Solving and Programming I in Java <b>OR</b><br>CSC 179:- Problem Solving and Programming I in Python                                       | COMS 171: Intro to C++                                                |
|  | CSC 275: Problem Solving & Prog II <b>OR</b><br>CSC 276: Problem Solving & Prog II in Java <b>OR</b><br>CSC 279: Problem Solving and Programming II in Python                                            | COMS 280: Adv Programming in C++                                      |
|  | Core Courses                                                                                                                                                                                             | Course Equivalent                                                     |
|  | CIS 314: Computer Ethics                                                                                                                                                                                 | <a href="#">Completed at UM-Flint</a>                                 |
|  | CSC 335: Computer Networks                                                                                                                                                                               | COMN 120: Network Ess. <b>AND</b> COMN 154: Routing & Protocol Techn. |
|  | CSC 377: Operating Systems                                                                                                                                                                               | <a href="#">Completed at UM-Flint</a>                                 |
|  | CYB 303: Security Operations                                                                                                                                                                             | <a href="#">Completed at UM-Flint</a>                                 |
|  | CYB 336: Ethical Hacking                                                                                                                                                                                 | COMN 274: Cybersecurity/Ethical Hacking                               |
|  | CYB 337: Enterprise and Cloud Security                                                                                                                                                                   | <a href="#">Completed at UM-Flint</a>                                 |
|  | CYB 430: Wireless and Mobile Security Systems                                                                                                                                                            | <a href="#">Completed at UM-Flint</a>                                 |
|  | CYB 478: Principles of Cryptography and Network Security                                                                                                                                                 | <a href="#">Completed at UM-Flint</a>                                 |
|  | CYB 486: Computer and Network Forensics                                                                                                                                                                  | <a href="#">Completed at UM-Flint</a>                                 |
|  | ITI 220: Introduction to Embedded Systems                                                                                                                                                                | <a href="#">Completed at UM-Flint</a>                                 |
|  | ITI 387: System Administration                                                                                                                                                                           | <a href="#">Completed at UM-Flint</a>                                 |
|  | SWE 380: Software Engineering                                                                                                                                                                            | <a href="#">Completed at UM-Flint</a>                                 |
|  | Mathematics                                                                                                                                                                                              | Course Equivalent                                                     |
|  | MTH 118: Applied Calculus                                                                                                                                                                                | MATH 165: Applied Calculus                                            |
|  | MTH 230: Introduction to Discrete Structures                                                                                                                                                             | <a href="#">Completed at UM-Flint</a>                                 |
|  | MTH 272: Applied Statistics and Data I                                                                                                                                                                   | MATH 150 - Probability and Statistics                                 |
|  | Concentration of Choice                                                                                                                                                                                  |                                                                       |
|  | Three courses from one of the following concentrations:<br><ul style="list-style-type: none"> <li>• Application Security</li> <li>• Cyber Physical Systems Security</li> <li>• Trustworthy AI</li> </ul> | <a href="#">Completed at UM-Flint</a>                                 |
|  | Capstone Experience                                                                                                                                                                                      | Course Equivalent                                                     |
|  | CIT 480: Technology Capstone I                                                                                                                                                                           | <a href="#">Completed at UM-Flint</a>                                 |

1. Remaining requirements (general education & program requirement curriculum) may be completed through UM-Flint.
2. Students must earn a min. of 120 college credits (transfer & UM-Flint), a min. of 30 UM-Flint credit hours.
3. Catalog and transfer credit are subject to change annually. Please speak with an UM-Flint representative before taking any additional coursework (810.762.3361 or <https://go.umflint.edu/vucv5>)
4. To view courses that transfer to UM-Flint, please visit [transfer.umflint.edu](https://transfer.umflint.edu)

For an official evaluation, apply for free at [UMFLINT.EDU/APPLY](https://umflint.edu/apply).