## ARTICULATION AGREEMENT GUIDE

Mott Community College – **AAS in Computer Networking and Cybersecurity**
Eastern Michigan University – **BS in Cybersecurity**

| Mott Community College Courses: | Eastern Michigan University Courses: |
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**Michigan Transfer Agreement (MTA) Requirements (30 credits)**

Students with the MTA endorsement on their community college transcript have satisfied EMU's General Education Core Requirements and will be required to complete only the General Education Application Requirements of one Perspectives on a Diverse World course, one Learning Beyond the Classroom experience, and a Writing Intensive course in the major. Courses listed below for the MTA also satisfy program requirements at EMU and/or MCC. For MCC approved MTA courses go to the community college's website. Students without an MTA or MACRAO endorsement must complete EMU's general education program.

**1. A course in English Composition**

| ENGL 101 English Composition I ........................... 3 | WRTG 120 Composition I ......................................... 3 |
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**2. A course in English Composition or Communication**

| ENGL 102 English Composition II ......................... 3 | WRTG 121 Composition II ........................................ 3 |
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**3. A course in Mathematics**

| * MATH 150 Probability and Statistics ..................... 4 | STAT 170 Elementary Statistics (3)+1 ................... 4 |
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**4. Two courses in Natural Sciences from different disciplines (one lab required)**

| Choose two from the approved MTA list ............... 7-8 | General Transfer Credit .......................................... 7-8 |
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**5. Two courses in Humanities and Fine Arts from different disciplines**

| COMM 131 Fundamentals of Public Speaking ................... 3 | COMM 124 Foundations of Speech Communication ............. 3 |
|---|---|
| Choose one from the approved MTA list ................ 3 | General Transfer Credit………………………….... 3 |

**6. Two courses in Social Sciences from different disciplines**

| Choose two from the approved MTA list ................ 6 | General Transfer Credit………………………….... 6 |
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**If needed, complete additional credits in any of the above categories to meet the 30 credit minimum for the MTA.**

*EMU's Perspectives on a Diverse World requirement:* Complete <u>one</u> course from the following list:
  *These courses also satisfy an MTA area:* <u>Natural Science</u>: BIOL 120; <u>Humanities:</u> ART 116; COMM 220; ENGL 220, 223, 235; MUS 183; <u>Social Sciences:</u> ANTH 200, 211; GEOG 142, 145; HIST 152, 213, 255, 257, 263,265, 266; PSCN 275; SOCY 294
*These courses apply, but do <u>not</u> satisfy the MTA:* INTL 150; SPAN 298

**MCC Program Requirements (48 credits)**

| COMC 115 | A+ Core Hardware Components ........................ 3 | CEET 000 | General Transfer Credit ...................................... 3 |
|---|---|---|---|
| COMC 125 | A+ Operating System Technologies ................ 3 | ISAC 000 | General Transfer Credit ...................................... 3 |
| COMG 153 | Computers-A Practical Approach .................... 3 | COSC 101 | Computer Science Concepts & Apps ................. 3 |
| COMI 169 | Supporting End Users ..................................... 3 | ISAC 000 | General Transfer Credit ...................................... 3 |
| * COMN 120 | Network Essentials ......................................... 3 | IT 110 | Concepts of Network Business Technology ....... 3 |
| COMN 144 | Network Infrastructure Config & Implement ...... 4 | ISAC 000 | General Transfer Credit ...................................... 4 |
| *COMN 154 | Routing Protocol/Networking Fundamentals ..... 3 | IT 150 | Networking I ...................................................... 3 |
| COMN 164 | Client and Server Network Administration ........ 4 | ISAC 000 | General Transfer Credit ...................................... 4 |
| *COMN 174 | Advanced Network Administration .................... 3 | IA 244 | Administration of Computer Systems ................. 3 |
| *COMN 184 | Information Security in a Digital Age ................ 3 | IA 103 | Information Security Overview ........................... 3 |
| *COMN 224 | Network Security Practices .............................. 3 | ISAC 000 | <u>sub for Restricted Elective</u> ................................. 3 |
| *COMN 274 | Cybersecurity and Ethical Hacking .................. 3 | ISAC 000 | <u>sub for Restricted Elective</u> ................................. 3 |
| *COMN 282 | Computer Networking Capstone ....................... 3 | ISAC 000 | <u>sub for Restricted Elective</u> ................................. 3 |
| *COMS 130 | Introduction to Linux Administration ................. 3 | IA 212 | Open Systems Platform and Network Admin ...... 3 |
| *COMS 170 | Introduction to Programming (Python) .............. 4 | IT 145 | Task Automation for IT Admins ......................... 4 |

| **Credits at MCC: ............................................... 78** | **Credits that transfer to EMU ....................... 78** |
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*\*Required for EMU's BS in Cybersecurity program. If not transferred, must be completed at EMU.*

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## Completion of the BS in Cybersecurity

**Major Requirements**                       **(54 credits)**

**Foundational Requirements (6 credits)**
ISAC 240     Intro to Cryptanalysis and Generic Attacks........... 3
LEGL 320     Cyber Law and Compliance ................................ 3

**Foundational Core Courses (42 credits)**
EECE 262     Engineering Algorithmic Constructions................ 3
IA 202L4     Risk-Vulnerability Analysis (GELB) ..................... 3
IA 322     Managing Security Systems ................................ 3
IA 329W     Policy Development in Information Assurance ..... 3
IA 385     Database & Web Application Security.................. 3
IA 400     Malware Analysis and Reverse Engineering ........ 3
IA 427     Digital Forensics ................................................ 3
IA 445     Ethical Hacking and Offensive Security............... 3
IA 455     Incident Response.............................................. 3
IA 462     Advanced Operating Systems Security & Admin.. 3
IA 473     Network Forensics and Analytics ........................ 3
IA 495     Capstone ............................................................ 3
ISAC 350     Network Security ................................................ 3
ISAC 375     Software Assurance ........................................... 3

**Restricted Electives (6 credits)**
*Select 15 credits from the following electives courses. Credit in IA courses may not exceed 9 credits. With advisor approval, a student may select up to 6 credits from IA, IT, ISAC, COSC, or CIS not listed above, 300 level or above. 6 credits must be taken at the 300 or 400 level.*
IA 240     Intelligence Analysis (3)
IA 387L4     Cooperative Education (3)
IA 425     Cyber Crime Investigation (3)
IA 428     Digital Forensics II (3)
IA 471     Data Security and Privacy (3)
IA 474     Applied Data Mining for Information Assurance (3)
IA 475     Advanced Topics in Information Security (3)
IA 476     Enterprise Security Analytics (3)
ISAC 317     IoT and Embedded Systems Security (3)
ISAC 417     Modern Vehicle Technology & Cyber Security (3)
IT 319     Introduction to Human Computer Interaction (3)
IT 321     Web Server Administration and Development (3)
IT 356     Managing Virtualization and Cloud Computing (3)
IT 374     Wireless Networks Administration (3)

**Credits at EMU:................................................ 54**
**Transfer Credits:............................................. 78**
**Total Credits: ............................................... 132**

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**Additional Information:**

1. Each institution will determine the satisfaction of their individual program and degree requirements. Both institutions agree to accept transferable courses from each other and from other regionally accredited institutions. MCC courses indicated with an * are required for EMU's BS in Cybersecurity. Substitutions for these courses must be approved by the EMU program coordinator.

2. Students with the MTA endorsement on their community college transcript have satisfied EMU's General Education Core Requirements and will be required to complete only the General Education Application Requirements of one "Perspectives on a Diverse World" course, one "Learning Beyond the Classroom" experience, and a "Writing Intensive" course in the major. The Perspectives on a Diverse World requirement may be transferred to EMU.
   *To use the Michigan Transfer Agreement (MTA), students must have an official community college transcript, with the "MTA Satisfied" endorsement sent to EMU's Admissions Office. Students who do not have "MTA Satisfied" on their community college transcript, will be required to satisfy EMU's general education requirements as applied to transfer students. The MTA may be completed after admission to EMU, however, students should inform their advisors or they may be advised to complete additional courses for the general education program. If already on the transcript, the MACRAO designation will be accepted at EMU after August 2019.*

3. Only courses with a grade of "C" or better (2.0 on a 4.0 scale) will be accepted for transfer to either institution.

4. Under this agreement, EMU will waive the 60-hour rule and require that a minimum of 54 credit hours must be completed in EMU courses, with at least 15 hours in the program or (9 hours in the major and 6 hours in the minor), at the 300-level or above. Of the last 30 hours completed before graduating, a minimum of 10 credit hours must be in courses offered by EMU. A minimum of 120 credit hours, completed in-residence or accepted in transfer, is required for graduation.

5. Students must satisfy all admission requirements at the time of application for admission to EMU, including submitting transcripts from all previously attended colleges. MCC students will receive equal consideration with other students for course registration and financial aid.

6. Requirements for Graduation
   - Only 300-level courses taken at EMU can satisfy major requirements.
   - ALL students MUST take at least 45 credits at the 300-level or above in the Cybersecurity program.
   - Students must maintain a minimum cumulative EMU GPA of 2.5.

7. Students are encouraged to contact EMU's Undergraduate Admissions Office before applying to EMU. To facilitate advising and the evaluation of transcripts, bring a copy of this articulation guide to all advising sessions.

**Effective Date: January 1, 2025 until December 31, 2027.**
This is a renewal of an agreement made in September 2019. This agreement is consistent with the 2024-2025 catalog. Students have until summer 2032 to graduate from Eastern Michigan University following this agreement. In the event that a student does not complete the program within seven years, they may be required to have their credits reevaluated using the requirements of the current articulation guide.

**Contacts:**

| **Mott Community College** | **Eastern Michigan University** |
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| Admissions | Undergraduate Admissions |
| Prahl College Center PCC2140 | Student Center Suite 220 |
| (810) 762-0200; admissions@mcc.edu | 734.487.6453; transfer_admissions@emich.edu |
| | Schedule an appointment |