IACD ARTICULATION AGREEMENT GUIDE

Monroe County Community College – **AAS in Cybersecurity and Information Assurance**
Eastern Michigan University – **BS in Information Assurance and Cyber Defense**

Monroe County Community College Courses:	**Eastern Michigan University Courses:**

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 MCCC. For MCCC approved MTA courses go to Monroe's website. Students without an MTA or MACRAO endorsement must complete EMU's general education program.

1. **A course in English Composition**
   ENGL 151 English Composition I (C3) 3   WRTG 120 General Transfer Credit 3

2. **A course in English Composition or Communication**
   Choose one from the approved MTA list 3   General Transfer Credit 3

3. **A course in Mathematics**
   * MATH 162   Introduction to Statistics (C2) 3   STAT 170   Elementary Statistics 3

4. **Two courses in Natural Sciences from different disciplines (one lab required)**
   Choose two from the approved MTA list (C1) 7-8   General Transfer Credit...7-8

5. **Two courses in Humanities and Fine Arts from different disciplines**
   Choose two from the approved MTA list (C5) 6   General Transfer Credit…………………...........................6

6. **Two courses in Social Sciences from different disciplines**
   Choose two from the approved MTA list (C6) 6   General Transfer Credit…………………...........................6

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: **Natural Science**: BIOL 156; **Humanities:** ENGL 240, 255, 266; HUMAN 257; **Social Sciences:** ANTHR 152; GEOG 152; GWST 151; HIST159, 173; POLSC 211, 252; SOC 253.

These courses apply, but do <u>not</u> satisfy the MTA: BMGT 220; IAS 105

MCCC AAS in Cybersecurity and Information Assurance Program Requirements (31 credits)

CIS 130	Introduction to Computer Info Systems (C4) 3	IS 215 General Transfer Credit 3
* CIS 150	Computer Science I 4	COSC 246 (3)+1 <u>sub for Restricted Elective</u>.........................4
*CIS 208	PC Operating Systems (3) and	
*CIS 209	Network Concepts (3) 6	ISAC 000 & CMT 305 <u>sub for 3 credits of Restricted Elect</u> ...6
*CIS 228	Linux Administration 3	IA 212 Open Source Platform & Network Ad 3
*CIS 230	Windows Server...3	IA 244 Administration of Comp Systems........................3
*IAS 103	Information Security Principles 3	IA 103 Information Security Overview...........................3
*IAS 202	Risk Vulnerability Analysis...................................3	IA 202 Risk-Vulnerability Analysis................................3
* IAS 210	Advanced Networking Practices……………………3	IT 110 Concepts of Network Business Tech.……………3
IAS 213	Privacy and Technology 3	IA 213 General Transfer Credit 3

EMU Requirements and Electives that May be Taken at MCCC or EMU (3 credits)

*CIS 135	Scripting Language Programming 3	IT 145 Task Automation for IT Admins..........................3

Credits at MCCC: 64	**Credits that transfer to EMU....................... 64**

*Required for EMU's BS in Information Assurance and Cyber Defense program. If not transferred, must be completed at EMU.

<u>Sign up with us:</u> If you let us know you are using this articulation agreement we can stay in touch with you and provide information and advising to you while you are still at your community college.

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<u>Completion of the BS in Information Assurance and Cyber Defense</u>

- Completion or transfer credit of IA 103 and IT 110 with a grade of B- or above is required for admission.
- All students must take at least 45 credits at the 300 level or above in the IA/CD program.
- Students must maintain a minimum EMU GPA of 2.5.

Major Requirements   (57 credits)

Program Requirements (45 credits)

IA 322	Managing Security Projects	3
[1]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 I	3
IA 445	Ethical Hacking and Offensive Security	3
IA 455	Incident Response	3
IA 462	Adv Operating Systems Security and Admin	3
IA 473	Network Forensics and Analytics	3
IA 495	Capstone	3
IT 150	Networking I	3
ISAC 240	Intro to Cryptanalysis and Generic Attacks	3
ISAC 350	Network Security	3
ISAC 375	Software Assurance	3
LEGL 320	Cyber Law and Compliance	3

Restricted Electives (12 credits)

Credit in IA courses may not exceed 9 credits. 300 or 400 level classes should be taken to meet the minimum 45 credits at the 300 level or higher at EMU

IA 240   Intelligence Analysis I (3)
[2] 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 Info Assurance (3)
IA 475   Advanced Topics in Information Security (3)
IA 476   Enterprise Security Analytics (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 375   Wireless Networks Administration (3)
ISAC 317   IoT and Embedded Systems Security (3)
ISAC 417   Modern Vehicle Technology & Cyber Security (3)
Any 300 level or above IA, IT, COSC, or CIS course not already taken (3)

Sample Sequences for completing the program:
Courses may not be offered every semester. Meet with a program advisor to plan a program of study.

LBC Requirement

Students must complete one Learning Beyond the Classroom course or noncredit experience offered by EMU. Consult your advisor for options.

Credits at EMU: 57
Transfer Credits 64
Minimum Credits to Graduate: 120

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1 Fulfills EMU's Writing Intensive Requirement
2 Fulfills EMU's Learning Beyond the Classroom Requirement

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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 transferrable courses from each other and from other regionally accredited institutions. MCCC courses indicated with an * are required for EMU's BS in Information Assurance and Cyber Defense. 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 57 credit hours must be completed in EMU courses, with at least 15 hours in the program 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. MCCC students will receive equal consideration with other students for course registration and financial aid.

6. Students must meet the following requirement to be admitted to the ISAC program:
    - Completion or transfer credit of IA 103 and IT 110 with a grade of B- or above.

7. Graduation Requirements:
    - Students can not apply courses at the 300 level or above to this program if not taken at EMU
    - All students must take at least 45 credits at the 300 level or above in the IACD program
    - Students must maintain a minimum cumulative EMU GPA of 2.5.

8. Students are encouraged to contact EMU's BS in Information Assurance and Cyber Defense program coordinator before applying to EMU. To facilitate advising and the evaluation of transcripts, sign up for this articulation agreement and bring a copy of this articulation guide to all advising sessions.

Effective Date: September 1, 2021 until August 31, 2024.
This is a renewal of an agreement made in January 2013 and renewed in September 2017. This agreement is consistent with the 2021-2022 catalog. Students have until summer 2029 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:

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