IACD ARTICULATION AGREEMENT GUIDE

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

Washtenaw Community College courses:	Eastern Michigan University courses:

Michigan Transfer Agreement 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 EMU General Education Application Requirements of one Perspectives on a Diverse World course, one Learning beyond the Classroom experience, and one Writing Intensive course in the major. Specific courses listed below for the MTA will also satisfy requirements at WCC and/or EMU. For courses approved to satisfy the MTA go to the WCC website at the link: http://www.wccnet.edu/services/transferresources/mta/ Students who do not have the MACRAO or MTA endorsement must complete EMU's general education program.

1. **A Course in English Composition**
   Choose from the approved MTA list 3-4   General Transfer Credit...3-4
2. **A Course in English Composition or Communication**
   Choose from the approved MTA list 3   General Transfer Credit..3
3. **A Course in Mathematics**
   *MTH 160 Basic Statistics 4   STAT 170 Elementary Statistics or (3)+1 4
4. **Two Natural Science courses from different disciplines**
   Choose from the approved MTA list 7-8   General Transfer Credit...7-8
5. **Two Humanities courses from different disciplines**
   Choose from the approved MTA list.....................................6   General Transfer Credit..6
6. **Two Social Science courses from different disciplines**
   Choose from the approved MTA list 6   General Transfer Credit..6

If needed, complete additional courses from 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: Communication: COM 225; **Natural Science**: ENV 101, 105; **Humanities:** ART 143, 150; COM 225; DAN 180; DRA 180; ENG 181, 213, 214, 242; FLM 150, 221; HUM 175, 181; MUS 180; **Social Science:** ANT 201; ECO 280; GEO 101; HST 108, 109, 123, 150, 230; PSY 251; SOC 205. ***These courses apply, but do <u>not</u> satisfy the MTA:*** ECD 240

WCC Cybersecurity Requirements (46 credits)

WCC Course	Title	Cr	EMU Course	Title	Cr
*CIS 120	Linux/UNIX I: Fundamentals	3	IA 212	Open Systems Platform & Network Admin	3
*CPS 141	Introduction to Programming Using Python	4	IT 145	Task Automation for IT (3)+1	4
²CNT 201	Admin MS Windows Client Operating Systems	3	ISAC 000	sub for Restricted Elective	3
¹*CNT 206	Introduction to Networks	4	IT 110	Concepts of Network & Business Technology	4
³*CNT 211	Installing & Configuring Windows Server (choice)	4	IA 244	Systems Administration	4
*CNT 216	Routing & Switching Essentials	4	IT 150	Networking I (3)+1	4
CNT 226	Enterprise Networking, Security & Automation	4	AACR GEN	General Transfer Credit	4
²CNT 290	Network Forensics	4	ISAC 000	sub for Restricted Elective	4
¹*CSS 200	Introduction to Network Security – Security+	4	IA 103	Information Security Overview (3)+1	4
*CSS 205	Essentials of Network Penetration Testing	4	IA 202	Risk-Vulnerability Analysis (3)+1	4
²CSS 210	Network Perimeter Protection-CCNA Security	4	ISAC 000	sub for Restricted Elective	4
CSS 225	Cybersecurity Operations – CCNA Cyber Ops	4	ISAC 000	General Transfer Credit	4

Credits at WCC:...76	**Credits that transfer to EMU 76**

* Required for EMU's BS in Information Assurance and Cyber Defense. If not transferred, must be completed at EMU.
¹ **A grade of "B-"or higher in CNT 206 (IT 110) and CSS 200 (IA 103) is required for admission to the IA program at EMU.**
² *Applies toward IACD Restricted Electives at EMU.*
³ *Students who complete WCC CNT 223 or CNT 224 instead of CNT 211 for this WCC requirement will need to complete IA 244 at EMU.*

Sign up with us: *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. Sign up at https://www.emich.edu/ccr/articulation-agreements/signup.php*

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Completion of the BS in Information Assurance and Cyber Defense Program

Major Requirements   **(51 hours)**

IA 103 and IT 110 (CSS 200 and CNT 206 at WCC) must be completed with a grade of "B-" or higher for admission to the IACD major and to enroll in IA 300-level courses. A minimum of 45 credits must be taken at the 300 level or above in the IACD program.

Program Required Courses (42 hours)

LEGL 320	Cyber Law and Compliance	3
IA 322	Managing Security Projects	3
IA 329W	Policy Development in Info Assurance	3
IA 385	Database Management & Security	3
IA 400	Malware Analysis & 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 & Admin	3
IA 473	Network Forensics & Analytics	3
IA 495	Capstone	3
ISAC 240	Intro to Cryptanalysis & Generic Attacks	3
ISAC 350	Network Security	3
ISAC 375	Software Assurance	3

IA Restricted Electives (9 hours)
A maximum of 9 credits can be taken with an IA prefix, including those credits transferred in. **Must choose 6 credits at the 300 level or higher at EMU in this area to meet the 45 credits at the 300/400 level minimum.**

[1] IA 387L4 Cooperative Education (3)
 IA 425 Cyber Crime Investigation I (3)
 IA 428 Digital Forensics II (3)
 IA 471 Data and Privacy (3)
 IA 474 Applied Data Mining for IA (3)
 IA 475 Adv 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 Computer-Human Interactions (3)
 IT 321 Web Server Administration
 IT 356 Managing Virtualization and Cloud Computing (3)
 IT 375 Wireless Network Administration (3)
 Any IA, IT, CIS, or COSC 300-level or higher (3)

Total Credits at EMU **51**
Transfer Credits **76**
Credits to Graduate **120-127**

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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. WCC 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 51 credit hours must be completed in EMU courses, with at least 15 hours in the 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. WCC students will receive equal consideration with other students for course registration and financial aid.

6. Students must complete IA 103 and IT 110 (or equivalent transfer courses) with a grade of B- or higher before enrolling in additional IA, IT, or ISAC courses.

7. 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 IA/CD 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 college advising office 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, 2022 until August 31, 2025.
This is a renewal of an agreement made in September 2019. This agreement is consistent with the 2022-2023 catalog. Students have until summer 2030 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:

Washtenaw Community College	**Eastern Michigan University**
Advising	GameAbove College of Engineering & Technology
734.677.5102	734.487.8659
advising@wccnet.edu	cet_advising@emich.edu