

**ARTICULATION AGREEMENT GUIDE**Wayne County Community College District – **AAS in Cybersecurity**Eastern Michigan University – **BS in Information Assurance and Cyber Defense****Wayne County Community College District 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 WCCCD. For WCCCD approved MTA courses go to [WCCCD's catalog](#). Students who do not have the MACRAO or MTA endorsement must complete EMU's general education program.

**1. A course in English Composition**

ENG 119 English I ..... 3      WRTG 120 University Elective ..... 3

**2. A course in English Composition or Communication**

ENG 120 English II ..... 3      WRTG 121 Composition II ..... 3

**3. A course in Mathematics**

Choose one from the approved MTA list ..... 4      University Elective ..... 4

**4. Two courses in Natural Sciences from different disciplines (one lab required)**

Choose one from the approved MTA list ..... 7-8      University Elective ..... 7-8

**5. Two courses in Humanities and Fine Arts from different disciplines**

SPH 101 Fundamentals of Speech ..... 3      CTAC 124 Foundations of Speech Communication ..... 3

Choose one from the approved MTA list ..... 3      University Elective ..... 3

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

PS 101 American Government ..... 3      PLSC 112 University Elective ..... 3

Choose one from the approved MTA list ..... 3      University Elective ..... 3

**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 one course from the following list:**

**These courses also satisfy an MTA area: Humanities:** AAS 253; ENG 212, 260, 261, 266, 290, 292; HUM 126; MWS 102; **Social Science:** AAS 120, 131, 140, 150, 175, 180, 253; ANT 152, 154; HIS 152, 261, 262; MWS 101, 103, 106, 107, 114; PS 160; SOC 230

**These courses apply, but do not satisfy the MTA:** COR 218, ECE 210; GEO 202; SED 101

**WCCCD Program Requirements (39 credits)**

<sup>2</sup> CIS 110 Introduction to Computer Information Systems..... 4	COSC 101 or IS 215 <u>sub for Restricted Elective</u> ..... 4
BUS 225 Computer Applications in Business ..... 3	BMMT 101 or 201 University Elective ..... 3
MAT 113 Intermediate Algebra..... 3	MATH 104 Intermediate Algebra ..... 3
<sup>2</sup> CIS 207 Java Programming Language (Elective)..... 4	COSC 111/112 <u>sub for Restricted Elective</u> ..... 4
CIS 210 Introduction to Operating Systems..... 3	IA 000 University Elective ..... 3
* CIS 212 Linux ..... 4	IA 212 Open Systems Platform & Network Admin (3)+14
CIS 240 Networking Essentials..... 3	ISAC 000 University Elective ..... 3
<sup>1*</sup> CIS 270 Network+ ..... 3	IT 110 Concepts of Network & Business Technology .... 3
<sup>1*</sup> CIS 272 Security+ ..... 3	IA 103 Information Security Overview ..... 3
CIS 274 Certified Ethical Hacker ..... 3	ISAC 000 University Elective ..... 3
* CIS 276 Cyber Network Associate..... 3	IT 150 Networking I..... 3
* CIS 278 Certified Authorization Professional ..... 3	IA 202 Risk and Vulnerability Analysis..... 3

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

\*MAT 131 Descriptive Statistics..... 3      STAT 170 Elementary Statistics ..... 3

**Credits at WCCCD: .....72      Credits that transfer to EMU..... 72**

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

<sup>1</sup> Must be completed with a grade of B- or higher for admission to the IACD major.

<sup>2</sup> Applies to the 21 credits of IA Restricted Electives.

**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.**

**ARTICULATION AGREEMENT GUIDE**Wayne County Community College District – **AAS in Cybersecurity**Eastern Michigan University – **BS in Information Assurance and Cyber Defense****Completion of the BS in**

Any IA, CIS, or COSC 300-level or higher (3)

**Information Assurance & Cyber Defense**

IA 103 and IT 110 (CIS 272 and CIS 270 at WCCCD) must be completed with a grade of "B-" or higher for admission to the IACD major and to enroll in IA 300-level courses. All students must take at least 45 credits at the 300 level or above in the IACD program.

**Major Requirements (60 credits)****Information Assurance & Cyber Defense (45 credits)**

LEGL 320	Cyber Law and Compliance	3
COSC 146	Applied Programming and Scripting	3
COSC 274	Intro to Applied Cryptography	3
IA 244	Administration of Computer Systems	3
IA 322	Managing Security Projects	3
<sup>1</sup> 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
IT 254	Networking II	3

**IA Restricted Electives (15 hours)**

IA 240	Intelligence Analysis (3)
<sup>2</sup> IA 387L4	Co-operative Education (GELB) (3)
IA 425	Cyber Crime Investigation I (3)
IA 428	Digital Forensics II (3)
IA 440	Intelligence Analysis I (3)
IA 471	Data Security 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)
IT 145	Task Automation for IT Admins (3)
IT 219	Introduction to Human-Computer Interaction (3)
IT 221	Web Server Administration and Development (3)
IT 256	Managing Virtualization and Cloud Computing (3)
IT 375	Wireless Networks Administration (3)
ISAC 317	IoT and Embedded Systems Security (3)
ISAC 427	Modern Vehicle Technology & Cyber Security (3)

<sup>1</sup>Satisfies EMU's Writing Intensive requirement<sup>2</sup>Satisfies EMU's Learning Beyond the Classroom requirement**LBC Requirement****(0-3 credits)**

One Learning Beyond the Classroom (LBC) course or noncredit experience must be completed at EMU. Consult advisor for options.

Transfer Credits	72
Total Credits at EMU	60-63
Total Credits Required to Graduate	124

Sample Sequences for completing the program:

*Courses may not be offered every semester. Meet with a program advisor to plan a program of study.*

**FALL START****Fall semester (12 credits)**

COSC 146 F, W	3
IA 244 F, W, Pre-req: IT 110	3
LEGL 320 (may be taken in any semester)	3
IA Restricted Elective	3

**Winter semester (12 credits)**

COSC 274 F, W, Pre-req: STAT 170 & COSC 146 or 111)	3
IT 254 W, Pre-req: IT 150	3
IA 385 F, W, Pre-req: IT 110	3
IA 400 F, W, Pre-req: COSC 146 and IA 212	3

**Fall semester (12 credits)**

IA 322 F, Pre-req: IA 202	3
IA 329W F, W, Pre-req: IA 202	3
IA 445 F, W, Pre-req: IA 212 & 244	3
IA 473 F, W, pre-req: IA 427	3

**Winter semester (12 credits)**

IA 455 F,W, Pre-req: IA 473	3
IA 462 W, Pre-req: IA 212 & 244	3
IA Restricted Electives	6

**Fall semester (12-15 credits)**

IA 427 F, W, Pre-req: IT 110	3
IA 495 F, Pre-req: IA 322, 329W, 445, 473	3
IA Restricted Electives	6
LBC requirement	0-3

## ARTICULATION AGREEMENT GUIDE

Wayne County Community College District – **AAS in Cybersecurity**

Eastern Michigan University – **BS in Information Assurance and Cyber Defense**

### 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. WCCCD 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 45 credit hours be 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 124 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. WCCCD students will receive equal consideration with other students for course registration and financial aid.
6. Program Admission:
  - Successful completion of IA 103 [WCCCD CIS 272] and IT 110 [WCCCD 270] with a grade of "B-" or higher.
  - Students should inform their advisor of the decision to join the IACD program in person or by email.
7. 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, 2019 until September 1, 2022.

This agreement is consistent with the 2019-2020 catalog. Students have until Summer 2027 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:

**Wayne County Community College District**

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