

ARTICULATION AGREEMENT GUIDE

Schoolcraft College – **AAS in Computer Information Systems: Cybersecurity**
Eastern Michigan University – **BS in Information Assurance and Cyber Defense**

Schoolcraft College Courses:

Transfer to Eastern Michigan University as:

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 major or minor requirements at SC and/or EMU. For SC courses approved to satisfy the MTA go to Schoolcraft's website.

1. A Course in English Composition

ENG 101 English Composition 13 WRTG 120 Composition I 3

2. A Course in English Composition or Communication

ENG 102 English Composition 23 WRTG 121 Composition II (GEEC) 3

3. A Course in Mathematics

*MATH 122 Elementary Statistics (in place of 102, 113,126) 4 STAT 170 Elementary Statistics (3)+1 4

4. Two Natural Science courses from different disciplines

Choose from the approved MTA list7-8 General Transfer Credit 7-8

5. Two Humanities courses from different disciplines

COMA 103 Fundamentals of Speech (recommended)3 COMM 124 Found of Speech Communication (GEEC) ... 3

Choose from the approved MTA list3 General Transfer Credit 3

6. Two Social Science courses from different disciplines

Choose from the approved MTA list6 General Transfer Credits 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 one course from the following list:

These courses also satisfy an MTA area: **Natural Science:** BIOL 104; GEOG 212; **Humanities:** ENG 170, 275; HIST 138; HUM 151, 152, 201, 202, 203, 204; **Social Sciences:** ANTH 112, 201, 214; GEOG 133; HIST 138; POLS 207, 209; SOC 210

These courses apply, but do not satisfy the MTA: BUS 240; CCD 217; EDUC 200; SPE 100

SC Cyber Security Program Requirements (48-49 credits)

*CIS 129 Introduction to Programming Logic.....3	IT 145 Task Automation for IT Admins.....3
CIS 172 Network Security Fundamentals.....3	ISAC 000 General Transfer Credit.....3
CIS 180 Spreadsheet Applications.....3	BMMT 000 General Transfer Credit3
*CIS 250 Systems Development and Design.....4	IS 000 <u>sub for Restricted Elective</u>4
*CIS 255 Introduction to Linux3	IA 212 Open Systems Platform and Network Admin..3
CNT 115 Cybersecurity Fundamentals.....3	ISAC 000 General Transfer Credit3
CNT 180 Ethical Hacking and Systems Defense.....3	ISAC 000 General Transfer Credit.....3
*CNT 210 CCNA Networking 14	IT 110 Concepts of Network & Business Tech (3)+1 .4
*CNT 220 CCNA Networking 24	IT 150 Networking I (3)+14
*CNT 250 Server Administration I (3) and	
*CNT 253 Server Administration 2 (Elective)(3).....6	IA 244 Administration of Computer Systems (3)+36
*CNT 260 Information Assurance and Security.....3	IA 103 Information Security Overview3
*CNT 262 Perimeter Defense.....3	IA 202 Risk-Vulnerability Analysis.....3
*CNT 244 Cybersecurity Operations (see note below).....3	ISAC 000 <u>sub for Restricted Elective</u>3
*Choose Elective from courses below (see note below)3-4	Variable Credit <u>sub for one Restricted Elective</u> 3-4
CNT 176, CIS 238, CIS 211+221, CIS 274, CIS 290	ISAC 000, COSC 231, COSC 211/212, ISAC 000, COSC 111

Credits at SC:78-79

Credits that transfer to EMU..... 78-79

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

¹A grade of "B-" or higher in CNT 210 and CNT 260 (IA 110 and IA 103 at EMU) is required for admission to the IA program at EMU.

Note: For the last two course lines where there are choice courses, students must choose from the courses indicated, approved by EMU, to receive the credit listed at EMU toward the program.

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.

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Completion of the BS in Information Assurance and Cyber Defense

IA 103 and IT 110 (CNT 260 and CNT 210 at SC) 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 (51 credits)**Information Assurance & Cyber Defense (42 credits)**

IA 322	Managing Security Projects.....	3
¹ 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	Introduction to Cryptanalysis & Generic Attacks....	3
ISAC 350	Network Security.....	3
ISAC 375	Software Assurance.....	3
LEGL 320	Cyber Law and Compliance.....	3

IA Restricted Electives (9 hours)

Students must have 18 credits of restricted electives. Credits in IA, IT, ISAC, COSC, or CIS not listed (300 level or above) may apply with advisor approval.

² IA 387L4	Co-operative Education (GELB) (3)	
IA 425	Cyber Crime Investigation I (3)	
IA 428	Digital Forensics II (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)	
ISAC 317	IoT and Embedded Systems Security (3)	
ISAC 417	Modern Vehicle Technology & Cyber Security (3)	

Credits at EMU: 51

Transfer Credits: 78-79

Total Credits: 129-130

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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. SC 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 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. SC students will receive equal consideration with other students for course registration and financial aid.
6. IA 103 and IT 110 (CNT 260 and CNT 210 at SC) 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.
7. Students are encouraged to contact EMU's GameAbove College of Engineering and Technology Student Services 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:

Schoolcraft College
 Academic Advising
 McDowell Center, Room 105
 734.462.4429
eadvise@schoolcraft.edu

Eastern Michigan University
 GameAbove College of Engineering and Technology
 Student Services, 203 Sill Hall
 734.487.8659
cet_advising@emich.edu