

ARTICULATION AGREEMENT GUIDE

Jackson College – AAS in Cybersecurity

Eastern Michigan University – BS in Information Assurance and Cyber Defense

Jackson 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 JC. For JC 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

ENG 131 Writing Experience I (GEO 1).....3	WRTG 121 Composition II.....3
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2. A course in English Composition or Communication

Choose one from the approved MTA list.....3	General Transfer Credit.....3
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3. A course in Mathematics

* MAT 133 Introduction to Probability & Statistics (GEO 3).....4	STAT 170 Elementary Statistics (3)+14
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4. Two courses in Natural Sciences from different disciplines (one lab required)

Choose two from the approved MTA list (GEO 4).....7-8	General Transfer Credit.....7-8
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5. Two courses in Humanities and Fine Arts from different disciplines

Choose two from the approved MTA list (GEO 6).....6	General Transfer Credit6
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6. Two courses in Social Sciences from different disciplines

Choose two from the approved MTA list (GEO 5).....6	General Transfer Credit6
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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 and GEO 2: Complete one course from the following list:

These courses also satisfy an MTA area: Communication: COM 250; **Social Sciences:** ANT 131. **These courses apply, but do not satisfy the MTA:** HIS 211; PLS 262. Additional courses apply to EMU's Diverse World requirement, but may not apply to GEO 2 at JC.

JC Program Requirements (45 credits)

* CNS 101 Network Fundamentals/Network.....4	IT 110 Concepts of Networking Business Tech (3)+1....4
* CNS 106 Routing Protocols & Concepts.....4	IT 150 Networking I (3)+14
CNS 107 LAN Switching & Wireless4	ISAC 000 General Transfer Credit4
CNS 121 Microsoft Networking Client I.....3	ISAC 000 General Transfer Credit3
* CNS 123 Microsoft Networking Server I (3) and	
* CNS 124 Microsoft Networking Server II (3) (EMU Req)6	IA 244 Administration of Computer Systems (3)+36
* CNS 131 Linux Administration I3	IA 212 Open Source Platform & Network Admin.....3
* CNS 141 Wireless Networking.....3	ISAC 000 <u>sub for Restricted Elective</u>3
* CNS 201 Network Security/Security +3	IA 103 Information Security Overview3
* CNS 210 Python Scripting for Security3	IT 145 Task Automation for IT Admins.....3
* CNS 231 Firewall Intrusion Detection3	ISAC 000 <u>sub for Restricted Elective</u>3
* CNS 233 Hacker Techniques and Incident Handling.....3	ISAC 000 <u>sub for Restricted Elective</u>3
* CNS 235 Packet Analysis and Network Forensics.....3	ISAC 000 <u>sub for Restricted Elective</u>3
CNS 245 Internship/Externship.....3	ISAC 000 General Transfer Credit.....3

Credits at JC:75 Credits that transfer to EMU..... 75

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

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Completion of the BS in Information Assurance and Cyber Defense

Program Requirements

- 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.

LBC Requirement

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

Major Requirements (45 credits)

IA 202	Risk Vulnerability Analysis.....	3
IA 322	Managing Security Projects.....	3
¹ IA 329W	Policy Development Information Assurance.....	3
IA 385	Database & Web Application Security.....	3
IA 400	Malware Analysis & Reverse Engineering.....	3
IA 427	Digital Forensics.....	3
IA 445	Ethical Hacking & 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
LEGL 320	Cyber Law and Compliance.....	3

Credits at EMU: 51

Transfer Credits: 75

Minimum Credits to Graduate: 120

Restricted Electives (6 credits)

Choose two IA, IT, ISAC, COSC, or IS courses, not already taken.

Each course must be at the 300-level or above with advisor approval.

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
ISAC 317	IoT and Embedded Systems Security.....	3
ISAC 417	Modern Vehicle Technology & Cybersecurity..	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

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 transferable courses from each other and from other regionally accredited institutions. JC 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. JC students will receive equal consideration with other students for course registration and financial aid.
6. Program Requirements:
 - a. Only 300-level courses taken at EMU can satisfy major requirements.
 - b. ALL students MUST take at least 45 credits at the 300-level or above in the IA/CD program.
 - c. Students must maintain a minimum cumulative EMU GPA of 2.5.
7. Students are encouraged to contact EMU’s Undergraduate Admissions 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: September 1, 2022 until August 31, 2025.

This is a renewal of an agreement made in September 2018. 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:

Jackson College
Student Services

Eastern Michigan University
Undergraduate Admissions
Student Center, Suite 220
734.487.6453; transfer_admissions@emich.edu
[Schedule an appointment](#)