ARTICULATION AGREEMENT GUIDE

Lansing Community College – **AB in Computer Networking and Cybersecurity**
Eastern Michigan University – **BS in Information Assurance and Cyber Defense**

Lansing Community College Courses:	Eastern Michigan University Courses:
LCC Program Requirements (67 credits)	
Courses that apply to the MTA	
Choose one from: COMM 110 or 130 (recommended) (MTA) 3	COMM 124 Found of Speech Communication (GEEC) 3
Choose one from: ANTH 270 or POLS 201 (in place of MGMT 234) 3	ANTH 135 or PLSC 211 (GEGA) 3
ENGL 121 Composition I (in place of ENGL 127) 4	WRTG 120 Composition I (3)+1 4
ISCI 131 Integrated Physical Science (MTA) 4	ESSC GEKN (satisfies GEKN requirement).......................4
* STAT 170 Introduction to Statistics 4	STAT 170 Elementary Statistics (3)+1 (GEQR)................4
Additional requirements	
BUSN 118 Introduction to Business 3	COB 200 General Transfer Credit......................................3
CITF 110 Introduction to Computer Info Systems 3	IS 215 General Transfer Credit......................................3
CITF 140 Information Technology Ethics 3	AACR 000 General Transfer Credit......................................3
*CITF 240 IT Project Management 3	ISAC 000 <u>sub for Restricted Elective</u> 3
CITN 120 Networking Concepts..3	ISAC 000 General Transfer Credit......................................3
*CITN 220 Introduction to Networks 3	IT 110 Concepts of Network Business Technology 3
*CITN 225 Switch Route Wireless Essentials 3	IT 150 Networking I...3
*CITN 230 Linux/UNIX Operating System............................3	IA 212 Open-Source Platform and Network Admin........3
CITN 240 Ent Networking Sec Automation 3	ISAC 000 General Transfer Credit......................................3
*CITN 250 Microsoft Network Server 3	ISAC 000 <u>sub for Restricted Elective</u> 3
*CITN 280 IT Security Foundations..3	IA 103 Information Security Overview.............................3
*CITP 110 Intro to Programming – Python............................4	IT 145 Task Automation for IT Admins (3)+1 4
CITS 125 Computer Support: A+ Cert Prep 6	ISAC 000 General Transfer Credit......................................6
Program of Study Required Courses, Limited Choice	
* Select two of the following courses: 6	<u>sub for 2 Restricted Electives</u>
CITD 250 Database Concepts (3)	IS 000 General Transfer Credit (3)
CITF 120 Operating Systems Concepts (3_	COSC 000 General Transfer Credit (3)
CITN 115 IoT and Automation Fundamentals (5)	AACR 000 General Transfer Credit (5)
CITN 222 Wireless Networking Security (3)	ISAC 000 General Transfer Credit (3)
CITN 256 Identity with Windows Server (3)	ISAC 000 General Transfer Credit (3)
CITS 230 Computer Virtualization (3)	ISAC 000 General Transfer Credit (3)

Courses that can be taken at either LCC or EMU (12 credits)

Michigan Transfer Agreement (MTA) Requirements

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.

Completion of the MTA with approved LCC courses (12 credits)

Two courses in humanities/fine arts approved for the MTA 6	MTA endorsement satisfies EMU core gen ed 6
One course in social sciences approved for the MTA 3	MTA endorsement satisfies EMU core gen ed 3
One course in natural science approved for the MTA...............3	MTA endorsement satisfies EMU core gen ed 3
Credits at LCC:...79	**Credits that transfer to EMU....................... 79**

Required for EMU's BS in 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

- 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.

Major Requirements   (54 credits)

Requirements (48 credits)

IA 202L4	Rick Vulnerability Analysis	3
IA 244	Administration of Computer Systems	3
IA 322	Managing Security Projects	3
IA 329W	Policy Development in Information Assurance	3
IA 385	Database and 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	Advanced Operating Systems Security	3
IA 473	Network Forensics and Analytics	3
IA 495	Capstone	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 (6 credits)..6

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.

IA 387L4	Cooperative Education (3)
IA 425	Cyber Crime Investigations (3)
IA 428	Digital Forensics (3)
IA 471	Data Security and Privacy (3)
IA 474	Applied Data Mining for IS (3)
IA 475	Advanced Topics in IS (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	Intro to Human-Computer Interaction (3)
IT 321	Web Server Admin and Development (3)
IT 356	Managing Virtualization and Cloud Computing (3)
IT 375	Wireless Networks Administration (3)

Credits at EMU:.. **54**
Transfer Credits:.. **79**
Total Credits: **133**

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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. LCC 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 54 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. LCC students will receive equal consideration with other students for course registration and financial aid.

6. Information Assurance and Cyber Security Requirements

   - 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.
   - 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.

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 January 2010 and renewed 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:

Lansing Community College	**Eastern Michigan University**
Academic Advising	Undergraduate Admissions
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eadvising@lcc.edu	734.487.6453
	transfer_admissions@emich.edu
	Schedule an appointment