



**Completion of the Bachelor of Science in  
 Information Assurance & Cyber Defense**

IA 103 and IT 110 (CITN 280 and CITN 220 at LCC) must be completed with a grade of “B-” or higher for admission to the IA 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 IA/CD program.

**Major Requirements (51 credits)**

**Information Assurance Required Courses (42 credits)**

LEGL 320	Cyber Law and Compliance	3
COSC 274	Intro to Applied Cryptography	3
<sup>1</sup> IA 202L4	Risk and Vulnerability Analysis	3
IA 322	Managing Security Projects	3
IA 329W	Policy Development in Info Assurance (GEWI)	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 (Previously IA 354)	3

\*Work with faculty advisor to sub a remaining 200 level course with an 300/400 level course to meet the 45 credits at the upper level requirement.

**IA Restricted Electives (9 hours)**

IA 240	Intelligence Analysis (3)
<sup>1</sup> 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)
IT 375	Wireless Networks Administration (3)
Any IA, CIS, or COSC 300-level or higher (3)	

<b>Total Credits at EMU</b>	<b>51</b>
<b>Transfer Credits</b>	<b>73</b>
<b>Minimum Credits to Graduate</b>	<b>124</b>

<sup>1</sup> Satisfies EMU's Learning Beyond the Classroom requirement

NOTE: A minimum of 124 credits is required to graduate. If insufficient credits are transferred, students must take additional credits at EMU to satisfy the 124 credit minimum.

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)**

LEGL 320	(may be taken in any semester)	3
COSC 274	FW	3
IA 202L4	FW	3
IA Restricted Electives		3

**Winter semester (12 credits)**

IT 254	W Prereq: IT 150	3
IA 385	FW Prereq: IT 110	3
IA 400	FW Prereq: COSC 146	3
IA 427	FW Prereq: IT 110	3

**Fall semester (15 credits)**

IA 322	F Prereq: IA 202	3
IA 329W	FW Prereq: IA 202	3
IA 445	FW Prereq: IA 212 & 244	3
IA 473	FW prereq: IA 427	3
IA 495	F Prereq: IA 329, 244 & 322	3

**Winter semester (12 credits)**

IA 455	FW Prereq: IA 473	3
IA 462	W Prereq: IA 212 & 244	3
IA Restricted Electives		6

**WINTER START**

**Winter semester (12 credits)**

LEGL 320	(may be taken in any semester)	3
COSC 274	FW	3
IA 202L4	FW	3
IA Restricted Electives		3

**Fall semester (15 credits)**

IA 322	F Prereq: IA 202	3
IA 385	FW Prereq: IT 110	3
IA 400	FW Prereq: COSC 146	3
IA 427	FW Prereq: IT 110	3
IA 329W	FW Prereq: IA 202	3

**Winter semester (12 credits)**

IT 254	W Prereq: IT 150	3
IA 445	FW Prereq: IA 212 & 244	3
IA 462	W Prereq: IA 212 & 244	3
IA 473	FW prereq: IA 427	3

**Fall semester (12 credits)**

IA 455	FW Prereq: IA 473	3
IA 495	F Prereq: IA 329, 244 & 322	3
IA Restricted Electives		6

**Additional Information:**

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

1. Each institution will determine the satisfaction of their individual program and degree requirements. Both LCC and EMU agree to accept transferable courses from each other and from other regionally accredited colleges. LCC courses indicated with an \* are required for EMU's BS in Information Assurance & 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. Students who enrolled in college prior to fall semester 2014 will have until the end of summer semester 2019 to complete the MACRAO agreement. If already on the transcript, the MACRAO designation will be accepted at EMU after summer semester 2019.*
3. A grade of "C" or better (2.0 on a 4.0 scale) is required for courses to transfer to either institution.
4. Under this agreement, EMU will waive the 60-hour rule and require that a minimum of 45 credit hours must be completed at the four-year college level, with at least 30 credit hours at EMU, 15 hours of which must be in program requirements at the 300-level or above. Of the last 30 hours completed before graduation, a minimum of 10 hours must be in courses offered by EMU. A minimum of 124 credit hours, in EMU courses or accepted in transfer, is required for graduation.
5. Students must satisfy all admission requirements at the time of admission to EMU
  - a. Completion of IA 103 and IT 110 (CITN 280 and CITN 220 at LCC) with a grade of "B-" or higher
  - b. Submit transcripts of all colleges attended to [cot-isac@atari.emich.edu](mailto:cot-isac@atari.emich.edu) by October 1, February 1, or July 1
  - c. Attend a mandatory meeting with an IA/CD faculty member or designated COT advisor. Student will be contacted to schedule an appointment after receipt of application. Students may enroll in two IA 300-level courses in the semester they apply to the program.
  - d. Students must maintain a minimum GPA of 2.5
6. Students are encouraged to contact the CET Student Services before completing an admission application to EMU. To facilitate advising and the evaluation of transcripts, [sign up for this articulation agreement](#), and bring a copy of this guide to all advising sessions.

**Effective Date: September 1, 2018 through August 31, 2021.**

This is a renewal of an agreement made in January 2010. This agreement is consistent with the 2018-2019 catalog. Students have until summer 2026 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:**

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