

INFORMATION ASSURANCE ARTICULATION AGREEMENT GUIDE

Henry Ford College– AAS in CIS–Information Assurance

Eastern Michigan University – BS in Information Assurance and Cyber Defense

Henry Ford Community College Courses:	Transfer to Eastern Michigan University as:
Michigan Transfer Agreement (MTA) Requirements (30 credits)	
<p>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. <u>Courses listed below for the MTA will also satisfy major or degree requirements at HFC and/or EMU.</u> Students who started college before Fall 2014 may continue to follow the MACRAO Agreement until the end of August 2019. A MACRAO version of this articulation guide is available at http://www.emich.edu/ccr/archartguide_macrao.php . For HFC courses approved to satisfy the MTA go to https://catalog.hfcc.edu/academics/gen-ed</p>	
1. A course in English Composition	
ENG 131 Intro to College Writing3	University Elective.....3
2. A second course in English Composition or Communication	
ENG 132 College Writing and Research3	University Electives.....3
3. A course in Mathematics	
* MATH 141 Intro to Statistics4	STAT 170 Elementary Statistics (3)+14
4. Two courses in Natural Sciences from different disciplines (one lab required)	
Choose from the approved MTA list7-8	University Electives.....7-8
5. Two courses in Humanities from different disciplines	
Choose from the approved MTA list3	University Electives.....3
¹ Choose one course from below:3	EMU's Perspectives on a Diverse World Requirement.....3
ART 224, 225, 226, 227; ENG 243, or ENG 248	
6. Two courses in Social Sciences from different disciplines	
CRJ 131 Intro to Law Enfnt & Crim Justice.....3	University Elective.....3
Choose one from below for HFC graduation requirement3	University Elective.....3
GEOG 132; HIST 151, 152; POLS 101, 131, 152; SOC 131, 152, 251; WR 131	
7. If needed, complete additional credits in any of the above categories to satisfy the 30 credit minimum for the MTA.	
HFC CIS - Information Assurance (55 credits)	
CIS 100 Intro to Information Technology.....3	University Elective.....3
^{2*} CIS 112 Intro to Networking (see grade reqmt below)3	IA 110 Concepts of Network & Business Technology3
* CIS 124 Intro to Windows Server Administration3	IA 244 Systems Administration.....3
* CIS 125 Principles of Programming Logic.....4	sub for COSC 146 Applied Programming & Scripting (3)+14
* CIS 129 Intro to UNIX w/Shell Scripting4	IA 212 Open Systems Platform & Network Admin (3)+14
CIS 158 A+ Operating Systems4	University Elective.....4
^{3*} CIS 175 Digital Forensics I.....3	University Elective.....3
^{3*} CIS 275 Digital Forensics II.....3	IA 427 Digital Forensics I.....3
^{2*} CIS 280 Info Assur & Security (see grade reqmt below)4	IA 103 Information Security Overview (3)+14
CIS 296 Information Assurance Methodology3	University Elective.....3
* CNT 260 Network Security4	IA 202 Risk-Vulnerability Analysis (3)+1.....4
CRJ 132 Police Admin-Staff/Line Operations.....3	University Elective.....3
CRJ 134 Criminal Investigation3	University Elective.....3
CRJ 234 Criminalistics: Criminal Investigation Lab Tech.....3	University Elective.....3
CNT 110 CCNA Networking I (4) (Networking track).....4	University Elective.....4
* CNT 120 CCNA Networking II (4) (Networking track).....4	IA 150 Networking I (3)+1.....4
Credits at HFC:85	Credits that Apply to IA Program at EMU79

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

¹ These courses satisfy EMU's "Perspectives on a Diverse World" requirement. If already satisfied pick any approved MTA Humanities course.

² A grade of "B-" or higher in CIS 112 (IA 110) and CIS 280 (IA 103) is required for admission to the IA program at EMU.

³ CIS 175 and CIS 275 together are equivalent to IA 427.

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. Sign up at: www.emich.edu/ccr/trackingsystem/Enter.php

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Completion at EMU of the Information Assurance Program

IA 103 and IA 110 (CIS 280 and CIS 112 at HFC) must be completed with a grade of “B-” or higher for admission to the IA major and to enroll in IA 300-level courses.

Major Requirements (45 credits)

Information Assurance Required Courses (39 credits)

LEGL 320	Cyber Law and Compliance	3
COSC 274	Introduction to Applied Cryptography	3
IA 322	Managing Security Projects	3
IA 329W	Policy Development in Info Assurance (GEWI)	3
IA 354	Networking II	3
IA 385	Database Management & Security	3
¹ IA 387L4	Co-operative Education (GELB)	3
IA 400	Malware Analysis & Reverse Engineering	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 (was IA 430)	3
IA 495	Capstone	3

IA Restricted Electives (6 hours)

- IA 425 Cyber Crime Investigation I (3)
- IA 428 Digital Forensics II (3)
- IA 440 Intelligence Analysis (3)
- IA 471 Data 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)
- Any IA, CIS, or COSC 300-level or higher (3)

Total Credits at EMU	45
Transfer Credits that Apply to EMU program	79
Credits to Graduate	124

¹ 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
One Cryptology course	(advisor approval required)	3
IA 322	F Prereq: IA 202	3
IA 329W	FW Prereq: IA 202	3

Winter semester (12 credits)

IA 354	W Prereq: IA 150	3
IA 385	FW Prereq: IA 110	3
IA 400	FW Prereq: COSC 146	3
IA Restricted Elective		3

Fall semester (12 credits)

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

Winter semester (9 credits)

IA 455	FW Prereq: IA 473	3
IA 462	W Prereq: IA 212 & 244	3
¹ IA 387L4	FW Prereq: IA 329 & 244	3

WINTER START

Winter semester (12 credits)

LEGL 320	(may be taken in any semester)	3
One Cryptology course	(advisor approval required)	3
IA 329W	FW Prereq: IA 202	3
IA 354	W Prereq: IA 150	3

Fall semester (12 credits)

IA 322	F Prereq: IA 202	3
IA 385	FW Prereq: IA 110	3
IA 400	FW Prereq: COSC 146	3
IA Restricted Elective		3

Winter semester (12 credits)

IA 445	FW Prereq: IA 212 & 244	3
IA 462	W Prereq: IA 212 & 244	3
IA 473	FW prereq: IA 427	3
IA Restricted Elective		3

Fall semester (9 credits)

IA 455	FW Prereq: IA 473	3
IA 495	F Prereq: IA 244 & 322, IA 329	3
¹ IA 387L4	FW Prereq: IA 244 & 329	3

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Additional Information:

1. Each institution will determine the satisfaction of their individual program and degree requirements. For the purpose of this articulation agreement, both institutions agree to accept transferrable courses from each other and from other institutions. HFC courses indicated with an * are required for EMU's Information Assurance Program and if not transferred, must be completed at EMU.
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 September 2014 will have until the end of August 2019 to complete the MACRAO agreement. 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 must be completed at the four-year college level, with a minimum of 30 credit hours in courses offered by EMU. 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, completed in-residence or accepted in transfer, is required for graduation. The limit of 60 credit hours in one subject area will be waived, and students will be allowed up to 67 credit hours in the IA discipline.
5. Students must satisfy all admission requirements at the time of admission to EMU
 - a. Completion of IA 103 and IA 110 (CIS 280 and CIS 112 at HFC) with a grade of "B-" or higher
 - b. Submit transcripts of all colleges attended to 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 required courses in the semester they apply to the program.
 - d. Students must maintain a minimum GPA of 2.5
6. Students are encouraged to meet with the EMU Information Assurance advisor early, before completing an admission application to EMU. A copy of the articulation guide should be included with the application to EMU and brought to all advising sessions. Copies of this agreement are available at www.emich.edu/ccr/artguide.php.

Effective Dates: January 1, 2017 until January 1, 2020. This is a renewal of an agreement made in September 2008 and renewed in January 2013. Students who began this program prior to the new effective date have the option of changing to this guide or continuing to follow the guide they started under, for up to seven years. If this agreement is not renewed at the end of the effective period, students who already started the program will be given three additional years to be admitted to EMU under the terms of this agreement.

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