

ARTICULATION AGREEMENT

between

Lansing Community College

AS in Business

Computer Network & Information Security(0791)

and

Eastern Michigan University

College of Technology

School of Technology Studies

BS in Information Assurance

Pending Approval

September 2007

ARTICULATION AGREEMENT BETWEEN
Lansing Community College
AS in Business(Computer Network & Information Security)
and
Eastern Michigan University
Bachelor of Science in Information Assurance

Article I
Agreement on Principle

Eastern Michigan University (EMU) and Lansing Community College (LCC) agree that students, who choose to transfer from a community college to a senior college or university to earn a bachelor's degree, should be provided with a smooth curriculum transition that minimizes loss of credit and duplication of coursework. Therefore, Eastern Michigan University and Lansing Community College agree to enter into this program articulation agreement for the AS in Business (Computer Network & Information Security) at LCC and the Bachelor of Science in Information Assurance at EMU. Both parties enter into this agreement as cooperating, equal partners who shall maintain the integrity of their separate programs.

Article II
Agreement on Program Specifics

Eastern Michigan University and Lansing Community College agree that any student who has successfully completed the minimum requirements outlined on the attached articulation guide may transfer the course credits indicated toward a Bachelor of Science in Information Assurance at Eastern Michigan University. Under this agreement, EMU will waive the 60-hour rule and require that a minimum of 30 credit hours must be completed in EMU courses. MACRAO provisos may be completed at the most appropriate time for the student whether before or after admission to EMU.

Students who follow this articulated program agreement must apply and be admitted to Eastern Michigan University. LCC students will receive equal consideration with other students seeking admission and financial aid. The bachelor's degree graduation requirements for students who follow this articulated program agreement are listed on the attached articulation guide.

Article III
Agreement on Communication

Eastern Michigan University and Lansing Community College agree to cooperate in communicating with each other and with their common and respective publics concerning the established relationship between the two institutions. Communication may include the development of various kinds of publications to inform those who might benefit personally or professionally from the opportunities provided by this agreement. Faculty and staff at both institutions will share the information in this agreement with interested and qualified students and both institutions will provide counseling and advising to students and prospective students.

Article IV

Maintenance and Review Procedures

At least one administrative or faculty member from each institution will be appointed to act as agents for the implementation of this agreement, to speak for the institutions and to communicate changes to respective faculty members, advisors, counselors, and others to whom the information is pertinent. Responsibility for oversight of this agreement rests with Assistant to the President for College and University Relations at Lansing Community College and the Director of the School of Technology Studies at Eastern Michigan University. Both parties agree to communicate annually any changes in their respective programs that may affect this agreement.

This agreement is effective as of **September 1, 2007 until September 1, 2010.**

If this agreement is not renewed at the end of the effective period, students will have an additional three years to be admitted to EMU under the terms of the agreement. Students who began the program prior to the effective period may use this agreement to the extent that the curriculum followed is consistent with the agreement.

ARTICULATION AGREEMENT BETWEEN
Lansing Community College
Associate in Applied Science in Information Assurance
and
Eastern Michigan University
Bachelor of Science in Information Assurance

The representatives of Lansing Community College and Eastern Michigan University agree to the terms of this agreement, which will be for an initial period of three (3) years.

Signatures

Lansing Community College

Eastern Michigan University

	Date	Donald M. Loppnow, Provost & Vice President for Academic Affairs	Date
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	Date	Morrel Boone, Interim Dean College of Technology	Date
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	Date	John Boyless, Director School of Technology Studies	Date
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cc: cc: Christina Shell, Registrar
Patricia Williams, Director, Academic Advising Center
Douglas Potter, Associate Director of Transfer Admissions
Charlotte Stigler, Admissions Office
Mary Sue Marz, Interim Dean, Continuing Education
Cheryl Aubuchon, Director, Livonia Center

Lansing Community College – Associate in Business (Computer Network & Information Security)
Eastern Michigan University – Bachelor of Science in Information Assurance

Lansing Community College

Eastern Michigan University

MACRAO Requirements	(32 credits)	(32 credits)	
1. English Writing Requirement	(6 credits)	(6 credits)	
ENG 111 Composition 1	3	ENGL 120 Composition I (University Elective)	3
ENG 122 Composition 2	3	ENGL 121 Composition II	3
2. Math/Science Requirement	(8 credits)	(8 credits)	
STAT 170 Introduction to Statistics	3	MATH 170 Elem Statistics or (3)+1	4
Complete one course:	4	One course:	4
Choose from lab courses with the following course prefixes: AST, BIO, CEM, GLG, PHY		Courses may transfer as equivalent courses General education credit, or general transfer credit	
3. Social Science Requirement	(9 credits)	Courses must be from two subject areas (9 credits)	
Complete three courses: <i>See note below</i>	9	Three courses:	9
Choose from courses approved by HFCC to satisfy The MACRAO social science requirement.		Courses may transfer as equivalent courses Gen Ed transfer credit, or general transfer credit	
4. Humanities Requirement	(9 credits)	Courses must be from two subject areas (9 credits)	
Complete three courses: <i>See note below</i>	9	Two courses:	9
Choose from humanities courses with the following course prefixes: ART, DNC, ENG (except ENG 131, 132, or 135), ARA, FRE, GER, SPN, HUM, ITAL, JOUR, MUS, PHIL, SMC, SPC, STH, SWC, TCM, and/or WR		Courses may transfer as equivalent courses General education credit, or general transfer credit	
¹ NOTE: In completing the Humanities and Social Science requirements, choose at least one course from the following to satisfy EMU's Global Awareness/US Diversity requirement: ANTH 131, 152; ART 224; ENG 243, 248; GEOG 132; HIST113, HIST 225, HIST 255, HIST 257; POLS 153; SOC 152, SOC 251; WR 131			

LCC - AS in Business (Computer Network & Information Security) (40 credits)

CITF110 Intro Computer Info Systems	3	COSC 105 Everyday Computing and Social Resp	3
CITF120 Operating Systems Concepts	3	NITA 000 General Transfer Credit	3
CITF200 Information Systems and Problem Solving	3	NITA 422 End User Systems: Planning and Design	3
CITF240 IT Project Management	3	IS 425 Project Management	3
CITN120 Introduction to Networking	3	NITA 210 Concepts of Network & Business Tech	3
CITN220 Networking Concepts	3	NITA 000 General Transfer Credit	3
CITN230 Linux/UNIX Operating System	3	NITA 212 Open Source Platform / Network Admin	3
CITN250 Microsoft Network Server	3	NITA 000 General Transfer Credit	3
CITN280 IT Security Foundations	3	IA 103 Information Security Overview	3
CITP110 Introduction to Computer Programming	4	COSC 111 Introduction to Programming(3)+1	4
CITS121 Computer Support: A+ Essentials	3	NITA 344 Admin of Computer Systems	3
CITS131 Computer Support: A+ Technician	3	NITA 000 General Transfer Credit	3

LCC – Computer Related Choice (5 credits)

Select 5 Credits from:

CITD120 SQL Concepts	2	BMMT 496 Records Admin Using Databases	3
CITD250 Database Concepts	3	IS 380 Introduction to Databases	3
CITF260 Systems Analysis and Design	3	IS 000 General Transfer Credit	3
CITN270 Novell NetWare Administration	3	NITA 000 General Transfer Credit	3
CITP150 Introduction to VB.Net Programming	3	COSC 000 General Transfer Credit	3
CITP190 Introduction to Programming in JAVA	3	COSC 000 General Transfer Credit	3

LCC – Business Related Choice (3 credits)	
BUSN 118 Introduction to Business..... 3	MGMT 202 Business Communication..... 3
Credits at LCC: 80 Maximum Credits that transfer to EMU... 80	

* Required for EMU's Information Assurance program. Reasoning Requirement. If completed at EMU, MATH 110 may be required

¹ Meets one of EMU's three general education requirements in addition to MACRAO. MATH 141 should be completed at HFCC to satisfy EMU's Quantitative.

Lansing Community College – Associate in Business (Computer Network & Information Security)
Eastern Michigan University – Bachelor of Science in Information Assurance

<p><u>Completion of the Information Assurance Program at EMU</u></p> <p>Major Requirements (36-44 credits)</p> <p>Foundation Courses: (9 credits)</p> <p>COSC 211 Programming Data Structures..... 3 IA 202 Risk – Vulnerability Analysis..... 3 STS 300W Research & Writing: Tech Perspective..... 3</p> <p>Concentration Requirements: (27-33 credits)</p> <p>Applied Information Assurance Concentration: (27 credits)</p> <p>NITA 412 Linux Security Administration 3 COSC 374 Applied Cryptography..... 3 IA 327 Computer Forensics I..... 3 IA 329 Policy Development in Info Security..... 3 IA 325 Cyber Crime Investigation 1 3 IA 413 Intro to Research in Information Assurance..... 3 IA 414 Applied Research Projects..... 3 IS 413 Information Tech Infrastructure & Security..... 3 LEGL 413 The Law and the Internet 3</p> <p>OR</p> <p>Information Assurance Mgmt Concentration: (30 credits)¹</p> <p>ENGL 324 Principles of Technical Communication..... 3 IA 329 Policy Development in Info Sec..... 3 IS 350 Enterprise Resource Planning..... 3 IS 413 Information Tech Infrastructure & Security..... 3 LEGL 413 Cyber Space Law 3 MGMT 386 Organizational Behavior and Theory 3 MGMT 403 Managerial Communication: Theory & Appl..... 3 MGMT 480 Management Responsibility and Ethics..... 3</p> <p>¹IA Mgt concentration only: One LBC course or noncredit experience must be completed. A co-op or internship in MGMT, IS, NITA, or STS is recommended 6</p>		<p>OR</p> <p>Information Assurance Encryption Concentration: (33 credits)</p> <p>MATH 120 Calculus I..... 4 MATH 121 Calculus II..... 4 MATH 205 Math Structures for Computer Science 4 MATH 319 Mathematical Modeling 3 MATH 409 Cryptography..... 3 LEGL 413 Cyber Space Law 3 COSC 314 Computational Discrete Structures..... 3 IS 413 Information Tech Infrastructure & Security..... 3 IA 413 Introduction to Research in IA..... 3 IA 414 Applied Research Projects..... 3</p> <p>Credits at EMU:.....36-51</p> <p>Credits to Graduate:.....127-138</p>
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**Associate in Business (Computer Network & Information Security)
Eastern Michigan University – Bachelor of Science in Information Assurance**

Additional Information:

1. In completing the coordinated program of study, as indicated on the preceding guides, substitutions should be made with the guidance of the EMU and HFCC Program Advisors to assure that program and graduation requirements will be satisfied at each institution. Each institution will be responsible for determining if their requirements are satisfied.
2. Students whose transcripts are endorsed as “MACRAO Satisfied” by the community college will be required to meet EMU’s three general education requirements, indicated on this guide with a “1”, and listed below. These requirements may be completed at the most appropriate time for the student whether before or after admission to EMU.
 - a) an approved course in Quantitative Reasoning: [MATH 115, 141, or 150 at HFCC] or [approved QR course at EMU]
 - c) a course in Perspectives on a Diverse World: [SOC 251 at HFCC] or [ANTH 214 at EMU]
 - d) a Learning Beyond the Classroom (LBC) course or experience offered by EMU: [PLSC 488 or other approved LBC course/experience at EMU]

To use MACRAO, students should request a MACRAO evaluation of their transcript in the HFCC Registrar’s Office. Students who do not satisfy MACRAO will have to complete EMU’s general education requirements as listed in the EMU undergraduate catalog.
3. Only courses with a grade of “C” or better (2.0 on a 4.0 scale) will be accepted for transfer to EMU.
4. Under this agreement, EMU will waive the 60-hour rule and require that a minimum of 30 credit hours must be completed in EMU courses, 15 hours of which must be in major/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, completed in-residence or accepted in transfer, is required for graduation.
5. Students must meet all admission requirements at the time of admission to EMU, including submitting transcripts from all previously attended colleges.
6. Students are encouraged to meet with the EMU Information Assurance Adviser 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.htm.

Effective Dates: September 1, 2007 until September 1, 2010.

If this agreement is not renewed at the end of the effective period, students will have an additional three years to be admitted to EMU under the terms of the agreement. Students who began the program prior to the effective period may use this agreement to the extent that courses completed are consistent with the agreement.

Contacts:

Lansing Community College	Eastern Michigan University
Name	Name
Ph:	Ph:
Email:	Email: