

**ARCHIVED COMPUTER INFORMATION SYSTEMS ARTICULATION GUIDE**

Monroe County Community College – **AAS in CIS-App Development**  
 Eastern Michigan University – **BBA in Computer Information Systems**

<b>Monroe County Community College Courses:</b>	<b>Transfer to Eastern Michigan University as:</b>
<b>Michigan Transfer Agreement (MTA) Requirements (30 credits)</b>	
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 requirements for the major at MCCC and/or EMU.</u> Students who started before Fall 2014 may continue to follow the MACRAO Agreement until the end of summer 2019. For courses approved to satisfy the MTA go to the MCCC website.	
<b>1. A Course in English Composition</b>	
Choose from the approved MTA list..... 3	University Elective ..... 3
<b>2. A Second Course in English Composition or Communication</b>	
Choose from the approved MTA list ..... 3-4	University Elective ..... 3
<b>3. A Course in Mathematics</b>	
* <sup>1</sup> MATH 162 Introduction to Statistics..... 3	STAT 170 and (DS 265 will be waived)..... 3
<b>4. Two Courses in Natural Sciences from different disciplines (one lab required)</b>	
Choose from the approved MTA list..... 7-8	University Elective ..... 7-8
<b>5. Two Courses in Humanities from different disciplines</b>	
Choose from the approved MTA list..... 6	University Elective ..... 6
<b>6. Two Courses in Social Science from different disciplines</b>	
* ECON 251 Principles of Macroeconomics ..... 3	ECON 201 Principles of Macroeconomics ..... 3
Choose from the approved MTA list..... 3	University Elective ..... 3
<b>7. If needed, complete additional courses in any of the categories above to satisfy the 30 credit minimum for the MTA.</b>	
<b>EMU's Perspectives on a Diverse World requirement: Complete <u>one</u> course from the following list:</b>	
<b>These courses will also satisfy an MTA area: Natural Science:</b> BIOL 156; <b>Humanities:</b> ENGL 240, 255, 266; <b>Social Sciences:</b> ANTHR 152; GEOG 152; HIST 159, 255, 256; POLSC 211, 252; SOC 153. <b>These additional courses do not satisfy the MTA:</b> BMGT 220; IAS 105	
<b>MCCC CIS - App Development Program (30 credits)</b>	
CIS - App Development required courses..... 9	University Electives ..... 9
* CIS 130 Introduction to Computer Info Systems ..... 3	IS 215 End-User Computing..... 3
<sup>2</sup> CIS 150 Computer Science I..... 4	COSC 246 (see footnote)..... 4
<sup>2</sup> CIS 153 Desktop App Programming ..... 3	COSC 000 (see footnote)..... 3
<sup>2</sup> CIS 175 Android Programming ..... 3	COSC 111 Intro to Programming (see footnote) ..... 3
* <sup>2</sup> CIS 177 Markup Languages..... 4	IS 247 Intro to Web Appl Dev (and CIS 150, 153, or 175)..... 4
* CIS 250 Computer Science II (CIS Elective)..... 4	IS 315 Object-Oriented Application Dev. (articulation only).... 4
<b>EMU Requirements that may be completed at MCCC or EMU (25 credits)</b>	
* ACCTG 151 Accounting Principles..... 4	ACC 240 Principles of Financial Accounting (3+1) ..... 4
* ACCTG 152 Accounting Principles..... 4	ACC 241 Prin of Manag Accounting (3)+1 ..... 4
* BSLW 251 Business Law (General Elective)..... 4	LAW 293 Legal Envnmnt of Business (3) +1..... 4
* BMGT 202 Business Communication in Digital Age ..... 3	MGMT 202 Business Communication ..... 3
* BUSAD 151 Introduction to Business..... 4	COB 200 Introduction to Business(3)+1 ..... 4
* ECON 252 Principles of Microeconomics ..... 3	ECON 202 Principles of Microeconomics ..... 3
Open Electives (not to exceed 85 credits at MCCC)..... 3	University Electives (may select an LBC course at EMU) ..... 3
<b>Maximum Credits at MCCC:..... 85</b>	<b>Credits that transfer to EMU ..... 85</b>

\* Required Business foundation courses. Must be completed before formal admission to the BBA program. See page 3 for admission requirements.

<sup>1</sup> MATH 162 will satisfy the quantitative reasoning requirement and will also satisfy the requirement for DS 265, which will be waived.

<sup>2</sup> CIS 177 plus any one of the following courses (CIS 150, CIS 153 or CIS 175) is equivalent to IS 247

**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.

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<p><b><u>Completion of EMU’s BBA in Computer Information Systems</u></b></p> <p><b>Major Requirements (39 credits)</b></p> <p><b>Business Core (15 credits)</b></p> <p>FIN 350 Principles of Finance ..... 3</p> <p>MGMT 386 Organizational Behavior &amp; Theory ..... 3</p> <p>MGMT 490 Business Policy..... 3</p> <p>MKTG 360 Principles of Marketing ..... 3</p> <p>OM 374 Intro to Production/Operations Mgmt..... 3</p> <p><b>CIS Discipline Requirements (24 credits)</b></p> <p>IS 320 Business Data Commun &amp; Comp Networks ..... 3</p> <p>IS 350 Enterprise Resource Planning and Architecture .... 3</p> <p>IS 380 Intro to Databases ..... 3</p> <p>IS 417 Systems Analysis and Design ..... 3</p> <p>IS 425 Information Systems Project Management..... 3</p> <p><sup>1</sup>IS 449W Information Systems Integration..... 3</p> <p>Restricted Electives: (Choose two courses): ..... 6</p> <p>IS 310 Social Media for Business (3)</p> <p>IS 410 Business Intelligence (3)</p> <p>IS 415 Business Mobile Application Development (3)</p> <p>IS 427 Business Process and Identity Management (3)</p> <p>IS 437 Intro to Business Information Technology Audit (3)</p> <p><b>LBC Requirement (0-3 credits)</b></p> <p>One Learning beyond the Classroom (LBC) course or noncredit experience must be completed at EMU. Consult College of Business advisor for options.</p> <p><b>Credits at EMU: ..... 39</b></p> <p><b>Transfer Credit..... 85</b></p> <p><b>Credits to Graduate: ..... 124</b></p>	<p><b><u>Sample Sequence for completing the program</u></b></p> <p><i>Students with a community college GPA of 2.5 or higher, who have completed the pre-admission business foundation courses, will receive conditional admission to the College of Business. Any remaining foundation courses may be completed in the first semester of enrollment at EMU. Students will be allowed to continue with major courses after all foundation courses are completed and 12 credits with a GPA of 2.5 or higher is completed at EMU.</i></p> <p><i>See the COB Advisor to develop a plan of study.</i></p> <p><b>semester one (15 credits)</b></p> <p>FIN 350 Principles of Finance..... 3</p> <p>MGMT 386 Organizational Behavior &amp; Theory ..... 3</p> <p>MKTG 360 Principles of marketing ..... 3</p> <p>IS 320 Business Data Commun &amp; Comp Networks..... 3</p> <p>IS 380 Intro to Databases ..... 3</p> <p><b>semester two (15 credits)</b></p> <p>OM 374 Intro to Production/Operations Mgmt ..... 3</p> <p>IS 350 Enterprise Resource Planning and Architecture .... 3</p> <p>IS 417 Systems Analysis and Design ..... 3</p> <p>IS 425 Information Systems Project Management ..... 3</p> <p>IS Restricted Elective..... 3</p> <p><b>semester three (9 credits)</b></p> <p>MGMT 490 Business Policy..... 3</p> <p>IS 449W Information Systems Integration ..... 3</p> <p>IS Restricted Elective..... 3</p>
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\*This course must be successfully completed before student can be admitted formally to the College of Business.

<sup>1</sup>Satisfies the Writing Intensive Requirement

Note: If sufficient credits are not transferred, additional credits must be completed at EMU to satisfy the 124 credit requirement to graduate.

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**Additional Information:**

1. Each institution will determine the satisfaction of their individual program and degree requirements. Both MCCC and EMU agree to accept transferable courses from each other and from other institutions. MCCC courses indicated with an \* are required for EMU's BBA in Computer Information Systems major. 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 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. 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 39 credit hours must be completed at the four-year college level of which 30 hours must be in EMU courses, with 15 hours in program requirements at the 300-level or above. Of the last 30 hours completed before graduating, at least 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. A minimum cumulative GPA of 2.0 is required for admission to EMU. Students with a community college GPA of 2.5 or higher, who have completed the pre-admission business foundation courses, will receive conditional admission to the College of Business. Any foundation courses not already completed, must be completed in the first semester of enrollment at EMU. Students will be regularly admitted after successful completion of at least 12 credits at EMU with a minimum overall EMU (GPA) of 2.5.
6. Students are encouraged to contact the College of Business Undergraduate Advising Office early, before completing an admission application to EMU. To facilitate advising and the evaluation of transcripts, sign up for this articulation agreement using the link <https://www.emich.edu/ccr/articulation-agreements/signup.php> and bring a copy of this guide to all advising sessions.

**Effective Dates: May 1, 2016 until April 30, 2019**

This is a renewal of an agreement made in March 2008 and renewed in January 2012. Students who began this program prior to the new effective date have the option of changing to this guide or may 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 began the program at MCCC will have an additional three years to be admitted to EMU under the terms of the agreement.

**Students have until the end of summer 2023 to complete their EMU degree following this guide.**

**Contacts:**

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**Eastern Michigan University**  
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