

**COMPUTER INFORMATION SYSTEMS (BBA) ARTICULATION AGREEMENT GUIDE**

Washtenaw Community College – AS in Computer Science: Programming in Java (ASCSPJ)

Eastern Michigan University – BBA in Computer Information Systems

<b>Washtenaw Community College Courses:</b>	<b>Transfer to Eastern Michigan University as:</b>
<b>Michigan Transfer Agreement (MTA) Requirements (30 credits)</b>	
Students with an 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. Courses listed below for the MTA also satisfy major requirements at EMU and or WCC. Students who enrolled in college before Fall 2014 may continue to follow the MACRAO Agreement until the end of summer 2019. A MACRAO version of this articulation guide is available at <a href="http://www.emich.edu/ccr/archartguide_macrao.php">http://www.emich.edu/ccr/archartguide_macrao.php</a> . For courses approved to satisfy the MTA go to <a href="http://www.wccnet.edu/services/transferresources/mta/">http://www.wccnet.edu/services/transferresources/mta/</a>	
<b>1. A Course in English Composition</b>	
ENG 111 Composition I..... 4	WRTG 121 Composition II..... 4
<b>2. A Second Course in English Composition or a Course in Communication</b>	
ENG 226 Composition II..... 3	University Elective ..... 3
<b>3. A Course in Mathematics</b>	
Choose from the approved MTA list..... 4	University Elective ..... 4
MTH 160 Basic Statistics (strongly recommended)	MATH 170 Basic Statistics (strongly recommended)
<b>4. Two Courses in Natural Sciences from Different Disciplines (one lab required)</b>	
Choose from the approved MTA list..... 7-8	University Electives ..... 7-8
<b>5. Two Courses in Humanities from Different Disciplines</b>	
<sup>1</sup> COM 225 Intercultural Communication..... 3	CTAC 374 Intercultural Communication..... 3
Choose from the approved MTA list ..... 3	University Electives ..... 3
<b>6. Two Courses in Social Sciences from Different Disciplines</b>	
* ECO 211 Principles of Economics I ..... 3	ECON 201 Principles of Macroeconomics ..... 3
Choose from the approved MTA list..... 3	University Elective ..... 3
<b>7. If needed, complete an additional course in any of the above categories to satisfy the 30 credit minimum for the MTA.</b>	
<b>WCC Program Requirements (31 credits)</b>	
* CIS 110 Intro to Comp Info systems (WCC Elective)..... 3	IS 215 End-User Computing ..... 3
CPS 161 Intro to Programming with Java..... 4	University Elective ..... 4
CPS 251 Android Programming Using Java..... 4	University Elective ..... 4
* CPS 276 Web Prog Using Apache, MySQL, & PHP..... 4	IS 247 Intro to Web Application and Dev (3)+1..... 4
* CPS 261 Advanced Java Concepts (4) AND	
* CPS 278 Java Server Programming (4) ..... 8	IS 315 Object-Oriented Application Dev (3)+5..... 8
CPS 298 Professional Team Programming ..... 4	University Elective ..... 4
CIS 282 Database Principles and Application ..... 3	University Elective ..... 3
Elective credit..... 1	University Elective ..... 1
<b>EMU Requirements that May be Taken at WCC or EMU (21 credits)</b>	
* ACC 111 Principles of Accounting I ..... 3	ACC 240 Principles of Financial Accounting ..... 3
* ACC 122 Principles of Accounting II ..... 3	ACC 241 Principles of Managerial Accounting..... 3
* BMG 140 Introduction to Business ..... 3	COB 200 Introduction to Business ..... 3
* BMG 207 Business Communication ..... 3	MGMT 202 Business Communication ..... 3
* BMG 111 Business Law I ..... 3	LAW 293 Legal Environment of Business ..... 3
* BMG 265 Business Statistics..... 3	DS 265 Business Statistics..... 3
* ECO 222 Principles of Economics II ..... 3	ECON 202 Principles of Microeconomics ..... 3
<b>Credits at WCC: ..... 82</b>	<b>Credits that transfer to EMU..... 82</b>

\* Required for EMU's BBA in Computer Information Systems program.

<sup>1</sup> COM 225 satisfies EMU's Perspectives on a Diverse World requirement and WCC's speech requirement.

**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/trackingssystem/Enter.php](http://www.emich.edu/ccr/trackingssystem/Enter.php)

**COMPUTER INFORMATION SYSTEMS (BBA) ARTICULATION AGREEMENT GUIDE**Washtenaw Community College – **AS in Computer Science: Programming in Java (ASCSPJ)**Eastern Michigan University – **BBA in Computer Information Systems****Completion of the Bachelor of Business Administration Program at EMU****Business Administration Core (15 credits)**

FIN 350 Principles of Finance .....	3
MGMT 386 Organizational Behavior & Theory.....	3
MGMT 490 Business Policy .....	3
MKTG 360 Principles of Marketing .....	3
OM 374 Intro to Production/Operations Mgmt.....	3

**Discipline Requirements (24 credits)**

IS 320 Business Data Comm & Comp Networks.....	3
IS 350 Enterprise Resource Planning and Architecture .....	3
IS 380 Introduction to Databases .....	3
IS 417 Systems Analysis and Design.....	3
IS 425 IS Project and Risk Management.....	3
IS 449W IS Strategy, Management & Acquisition.....	3
Restricted Electives (choose 2 courses): .....	6
IS 310 Social Media for Business (3)	
IS 410 Business Intelligence (3)	
IS 415 Business Mobile Application Development (3)	
IS 427 Business Process and Identity Management (3)	
IS 437 Intro to Business Information Technology Audit (3)	

**LBC Requirement (0-3 credits)**

One Learning beyond the Classroom (LBC) course or noncredit experience must be completed at EMU. Consult College of Business advisor for options.

**University Electives (0-3 credits)**

Complete enough credits to bring the minimum at the four-year college level to 42 credits. Additional electives may be required at EMU if fewer than 82 credits are transferred.

**Minimum Credits at EMU: .....42****Minimum Credits to Graduate: .....124****Sample Sequence for completing the program:**

Courses may not be offered every semester. Consult with a COB advisor to make a course plan.

**Fall Semester (12 Credits)**

University Elective .....	3
IS 320 Business Data Comm & Comp Networks .....	3
MGMT 386 Organizational Behavior & Theory.....	3
Restricted IS Elective.....	3

**Winter Semester (12 Credits)**

FIN 350 Principles of Finance .....	3
MKTG 360 Principles of marketing .....	3
IS 380 Introduction to Databases.....	3
IS 417 Systems Analysis and Design .....	3

**Fall Semester (12 Credits)**

Restricted IS Elective.....	3
OM 374 Intro to Production/Operations Mgmt .....	3
IS 350 Enterprise Resource Planning and Architecture .....	3
IS 425 IS Project and Risk Management .....	3

**Winter Semester (6 Credits)**

IS 449W Information Systems Integration.....	3
MGMT 490 Business Policy .....	3

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1. Each institution will determine the satisfaction of their individual program and degree requirements. Both WCC and EMU agree to accept transferable courses from each other and from other institutions. WCC courses indicated with an \* are required for EMU's Technology Management program. 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 42 credit hours must be completed at the four-year college level, of which 30 hours must be in courses offered by EMU, 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. Courses listed in this guide may be completed at the most opportune time for students, whether before or after admission to EMU, as long as appropriate pre-requisites are satisfied
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 before applying to EMU. To facilitate advising and the evaluation of transcripts, sign up for this articulation agreement using the link [www.emich.edu/ccr/trackingssystem/Enter.php](http://www.emich.edu/ccr/trackingssystem/Enter.php), and bring a copy of this guide to all advising sessions.

**Effective Dates: September 1, 2016 until August 31, 2019**

This is a renewal of an agreement made in February 1999 and renewed in 2003, 2006, 2009, and 2012.

Students who began this program prior to the new effective date have the option of using this guide or may continue 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.

**Contacts:**

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