### COMPUTER SCIENCE ARTICULATION AGREEMENT GUIDE

Schoolcraft College –AAS in CIS: Programming

Eastern Michigan University - BS in Computer Science Major - Applied

### **Schoolcraft College Courses:**

## Transfer to Eastern Michigan University:

#### Michigan Transfer Agreement (MTA) Requirements (30 credits)

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. Specific courses listed below for the MTA will also satisfy program requirements at Schoolcraft and/or EMU. For courses approved by Schoolcraft to satisfy the MTA go to Schoolcraft's website. Students who do not have a MACRAO or MTA endorsement must complete EMU's general education program.

Credits at Schoolcraft:79	Credits that transfer to EMU79		
Open Electives (not to exceed 79 credits at SC)5-6	University Electives5-6		
EMU Requirements that May be Taken at Schoolcraft or EMU (5-6 credits)			
CIOSSE 0-9 Credits from the following:	Oniversity Lieutives0-3		
Choose 8-9 credits from the following:8-9	University Electives		
Choose one of the following: CIS 170 or 178	BMMT 000 University Elective		
CNT 115 Cybersecurity Fundamentals	ISAC 000 University Elective		
CIS 255 Systems Development and Design	IA 212 University Elective		
*CIS 238 JavaScript (Program Elective)3 CIS 250 Systems Development and Design4	IS 000 University Elective		
5 ,	COSC 231 Internet Based Computing		
*CIS 221 Advanced C++ (2)	COSC 211/212 Programming Data Structures		
*CIS 211 Introduction to C++ (2) and *CIS 221 Advanced C++ (2)	COCC 241/212 Programming Data Structures		
CIS 176 Visual Basic.NET	BMMT 000 University Elective		
* CIS 290 Object-Oriented Programming w/Java (3)6	COSC 111/112 Intro to Computer Programming (4)+2		
*CIS 129 Introduction to Programming Logic (3) and0	0000 444/440 leter to 0 energia Programming (4) 0		
CIS 115 Introduction to Computer Based Systems	IS 215 Information Systems for Business		
Schoolcraft CIS: Programming Requirements (43-44 cre			
201, 202, 203, 204; <u>Social Sciences</u> : ANTH 112, 201, 214; GEOG 13; These courses apply, but do <u>not</u> satisfy the MTA: BUS 240; CCD 2:			
These courses also satisfy an MTA area: Natural Science: BIOL 10			
EMU's Perspectives on a Diverse World requirement: Complete one	course from the following list:		
If needed, complete additional courses in any of the above categories to satisfy the 30 credit minimum for the MTA.			
Choose from the approved MTA list3	University Electives		
Choose one of the following: POLS 105; PSYCH 153 or 201 .3-4	University Electives		
6. Two Social Science courses from different disciplines			
Choose from the approved MTA list3	University Electives		
COMA 103 Fundamentals of Speech3	CTAC 124 Foundations of Speech Communication 3		
5. Two Humanities courses from different disciplines	•		
Choose from the approved MTA list7-8	University Elective7-8		
4. Two Natural Science courses from different disciplines (one la			
* MATH 150 Calculus I (in place of MATH 126, 113)5	MATH 120 Calculus I (4)+15		
3. A Course in Mathematics			
ENG 102 English Composition 2	University Elective		
2. A Second Course in English Composition or Communication	Offiverally Elective		
ENG 101 English Composition 1	University Elective		
A Course in English Composition	moral oddodion program.		
who do not have a MACRAO or MTA endorsement must complete EMU's ge	eneral education program.		

<sup>\*</sup> This course is required for EMU's Computer Science Major-Applied.

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.

# COMPUTER SCIENCE ARTICULATION AGREEMENT GUIDE

Schoolcraft College –**AAS in CIS: Programming**Eastern Michigan University – **BS in Computer Science Major - Applied** 

## **Completion of EMU's**

## **BS** in Computer Science - Applied

55 III Computer Science - Applied		
Major Requirements (45 credits)		
Required Math Courses (3 credits) STAT 360 Statistical Methods3		
COSC 221 Cor COSC 311 Algr COSC 314 Cor COSC 341 Pro COSC 381 Sof COSC 481W Sof	orithms and Data St mputational Discrete gramming Languag tware Engineering S tware Engineering a	1
Five courses from Only one 300-leve requirement. COSC 315 or COSC	symbolic Computing Symbolic Computer Organization of Automatic Computer Operating Software Dylpmnt Web Programming Computer Graphic Computer G	ed to satisfy this  ng unization graphy  and Analysis ming essors ng Systems for Mobile Devices de Principles a & Languages etion s Programming ming ormation Retrieval
LBC Requirement Students must complete one Learning Beyond the Classroom course or noncredit experience offered by EMU. Consult computer science advisor for options.  Credits at EMU:		

## COMPUTER SCIENCE ARTICULATION AGREEMENT GUIDE

Schoolcraft College – AAS in CIS: Programming
Eastern Michigan University – BS in Computer Science – Applied, BS in Computer Science –
Curriculum, or a BA in Computer Science

#### Additional information:

- 1. Each institution will determine the satisfaction of their individual program and degree requirements. Both Schoolcraft and EMU agree to accept transferrable courses from each other and from other institutions. Schoolcraft courses indicated with an \* are required for EMU's BS in Computer Science or the BA in Computer Science. 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. 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 with at least 30 hours in EMU courses, 15 hours of which must be in program requirements at the 300-level or above. Of the last 30 hours completed before graduating, a minimum of 10 credit 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 satisfy all admission requirements at the time of application for admission to EMU, including submitting transcripts from all previously attended colleges. Schoolcraft students will receive equal consideration with other students for course registration and financial aid.
- 6. Students are encouraged to contact EMU's Bachelor of Science in Computer Science Program Coordinator before applying to EMU. To facilitate advising and the evaluation of transcripts, <u>sign up for this articulation</u> <u>agreement</u> and bring a copy of this articulation guide to all advising sessions.

7.

## Effective Dates: September 1, 2019 until August 31, 2022

This agreement is consistent with the 2019-2020 catalog. Students have until summer 2027 to 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:

Schoolcraft College Academic Advising McDowell 175 734.462.4429 eadvise@schoolcraft.edu Eastern Michigan University
Francine Parker Advising Center
Student Center, Room 120
734.487.4599
francineparker advising@emich.edu