



**ARCHIVED COMPUTER SCIENCE ARTICULATION AGREEMENT GUIDE**

Schoolcraft College – AAS in CIS: Programming  
 Eastern Michigan University – BA in Computer Science

**Completion of EMU's BA in Computer Science****Major Requirements (34 credits)****Required Computer Science Courses (22 credits)**

COSC 221	Computer Organization I .....	3
COSC 311	Algorithms and Data Structures.....	4
COSC 314	Computational Discrete Structures.....	4
COSC 341	Programming Languages .....	4
COSC 381	Software Engineering Solutions .....	4
COSC 481W	Software Engineering and Senior Project.....	3

**Restricted Electives (12 credits)**

COSC 374	Applied Cryptography
COSC 421	Systems Programming
COSC 423	Computer Operating Systems
COSC 426	Software Dvlpmnt for Mobile Devices
COSC 436	Web Programming
COSC 439	Computing Network Principles
COSC 445	Compiler Construction
COSC 456	Computer Graphics
COSC 457	Computer Game Programming
COSC 461	Heuristic Programming
COSC 471	Database Principles
<i>Choose two courses from below or above, not already taken</i>	
COSC 315	Symbolic Computing
COSC 321	Computer Organization II
COSC 405	Switching Theory
COSC 411	Algorithm Design & Analysis
COSC 422	Intro to Microprocessors
COSC 444	Found of Automata & Languages
COSC 462	Introduction to Information Retrieval
COSC 472	Big Data I
COSC 473	Big Data II
COSC 480	Special Topics

**LBC Requirement**

Students must complete one Learning Beyond the Classroom course or noncredit experience offered by EMU. Consult advisor for options.

**Minor Requirement (15-20 credits)**

Students must complete a minor of at least 20 hours. Some of those hours may be completed at SC. At least 6 credits must be completed at EMU at the 300 level or above. Some minors are more than 20 hours.

**Minimum Credits at EMU:..... 49**

**Transfer Credits: ..... 73-74**

**Minimum Credits to Graduate:..... 120**

**ARCHIVED 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 120 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 Francine Parker Advising Center before applying to EMU. To facilitate advising and the evaluation of transcripts, [sign up for this articulation agreement](#) and bring a copy of this articulation guide to all advising sessions.

**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:**

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