TRANSFER AGREEMENT

between

The University of Michigan-Dearborn

DEARBORN

and

Washtenaw Community College
Higher ed in the heart of Ann Arbor, Michigan

Computer Science Program

April 20, 2019

INTRODUCTION

Washtenaw Community College (WCC) and the University of Michigan-Dearborn (UM-Dearborn) Computer and Information Science Transfer Program is a jointly developed program operated by both institutions. The program enables students to begin their education at Washtenaw Community College, Ann Arbor, Michigan and complete their studies for a designated Bachelor of Science in Computer and Information Science degree at the University of Michigan-Dearborn. It is designed for the transfer of the WCC component to UM-Dearborn. Students entering the program with a strong high school and/or experiential background may begin the program by attending Washtenaw Community College for two years of full-time study then transfer to UM-Dearborn for the final two years. Part-time students are also welcome to participate in this program; however, the time spent at each institution may be greater than two years. While the program is designed for a total of four years of full-time study, it may vary depending on the pace of courses chosen by the student, the program selected, and the need for any prerequisite courses.

ADMISSION REQUIREMENTS TO WASHTENAW COMMUNITY COLLEGE

Washtenaw Community College is an open admissions institution that assesses students wishing to enter this program and places them into courses on the basis of their academic background and/or demonstrated experience in specific subject areas. Applicants will be required to participate in the WCC assessment program. Further information will be provided at the time of application.

Those considering a computer science program are advised to pursue a rigorous college preparatory curriculum with emphasis on science, mathematics, and English in their high school.

ADMISSION REQUIREMENTS TO UNIVERSITY OF MICHIGAN-DEARBORN

Admission to a UM-Dearborn undergraduate engineering program is guaranteed to students who earn the Associate in Science in Computer Science at Washtenaw Community College with at least a 2.75 overall GPA and at least a 2.75 in all math, science, and engineering classes. Students with criteria less than this will be evaluated on a case-by-case basis. Courses with less than a 2.0 grade will not transfer for credit or placement. WCC students will be given equal consideration with UM-Dearborn students in applying for acceptance into the computer and information science programs and for financial aid.

Furthermore, credit awarded based on AP or IB courses should meet the score required at UM-Dearborn. Credit charts can be found at: https://umdearbom.edu/advancedplacement/. Applicants whose native language is not English must demonstrate English proficiency, as described at: https://umdearbom.edu/684363/. Also, upon admission to the University of Michigan-Dearborn

all students are required to take the Composition Placement Exam within the first semester of enrollment at UM-Dearborn.

Tue Agreement encourages WCC students to consider taking a limited number of sophomore level computer science classes (not available at WCC) at UM-Dearborn while completing the Associate's degree at WCC.

SEQUENCE OF CLASSES
WCC students are strongly encouraged to contact the WCC computer science advisor and UM-Dearborn computer science advisor as early as possible to put together a customized program plan for courses at both WCC and UM-Dearborn.

The Washtenaw Community College and University of Michigan-Dearborn program is designed so that WCC students who successfully complete transferable courses for their major on the attached Equivalency Guide (Appendix A) can complete the degree requirements in two to three years at UMD (if attending full-time; longer if part-time).

WORK EXPERIENCE COMPONENT
Computer and information science students at University of Michigan-Dearborn are eligible to participate in Cooperative Education Program. Transferred students from WCC will be indiscriminately considered for this opportunity.

The UM-Dearborn Co-Op office will provide necessary information to transfer students after they have been admitted to the University of Michigan-Dearborn. In addition, students are advised to contact the UM-Dearborn Co-Op office during the beginning of the first term of their second year at WCC, or earlier.

ASSOCIATE DEGREE COMPLETION
Washtenaw Community College students are strongly encouraged to complete their Associate degree requirements in order to receive the WCC Associate in Computer Science or Associate in Applied Science in Computer Science degree as well as the designated bachelor of computer and information science degree from the University of Michigan-Dearborn.

EFFECTIVE DATES: The term of this agreement is five years beginning on the date it is signed. During the fifth year, the agreement will be reviewed for possible revisions and renewal. If not renewed, WCC students who designated this program agreement before its termination will have three additional years to be admitted to the University of Michigan- Dearborn under the terms of the agreement. Standard Admissions policies may apply here Note: the Equivalency Guide (Appendix A) will be updated annually to reflect new and discontinued classes and programs. This could affect the number of transfer credits accepted.

University of Michigan-Dearborn Transfer Agreement with Washtenaw Community College Associate in Computer Science Degree

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Washtenaw Community College and University of Michigan-Dearborn enter into this agreement to form a partnership consistent with the goals of both institutions to ensure that students are able to complete their education in a timely manner. The purpose of this agreement is to establish a "seamless" transition between institutions.

To this end the two institutions have agreed to the following:

1. Transfer credit for a course is determined by the articulation agreement in effect when the course is taken. Information on effective dates will be posted on the UM-Dearborn's website.

2. Representatives of the two institutions will meet annually to update the Equivalency Guide based on course changes and other conditions that may affect the nature of this agreement. Students should always refer to the most recent Equivalency Guide, which can be found on UM-Dearborn's website.

3. The computer science advisors at the University of Michigan-Dearborn and the computer science coordinator at Washtenaw Community College will establish lines of communication to ensure that students planning to transfer to the University of Michigan-Dearborn receive accurate and timely academic advice.

4. To obtain acceptance into the College of Engineering and Computer Science at the University of Michigan-Dearborn, a student must meet the conditions and considerations specified in this document.

5. This entire document will be reviewed every five years from the day it is signed, and every 5 years thereafter.

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| Washtenaw Community College Transfer Guide |
| College of Engineering and Computer Science |
| The University of Michigan-Dearborn |

The following courses will transfer into the University of Michigan-Dearborn **Bachelor of Science in Computer and Information Science (B.S. in CIS)** programs.

A GPA of 2.75 (overall recalculated GPA, separate mathematics GPA, separate science GPA, separate ENGR/CIS GPA) are required for admission. A **maximum of 59 credits** transfer into UM-Dearborn from WCC. Courses with C- or below do not transfer. Since requirements may change, it is the student's responsibility to check with the UM-Dearborn Office of Admissions & Orientation, http://www.umdearborn.edu/admissions/, for the latest information.

WASHTENAW COMMUNITY COLLEGE COURSES

Written and Oral Communication:
Z courses (6 credits)
ENG 111 Composition I
ENG 226 Composition II
??ENG 107 Technical Writing Fundamentals

Economics:
1 course (3 credits)
ECO 211 Principles of Economics I or
ECO 222: Principles of Economics II

Humanities and the Arts:
Z courses (6 credits)
COM 225 Intercultural Communication
Choose from the approved MTA list

Social and Behavioral Analysis:
1 courses (3 credits)

Choose from the approved MTA list

UM-DEARBORN EQUIVALENCIES

Written and Oral Communication:
Z courses (6 credits)
COMP 105 Writing and Rhetoric I
COMP 270 Technical Writing for Engineers

Economics:
1 course (3 credits)
ECON 201 Macroeconomics or
ECON 202 Microeconomics

Humanities and the Arts:
2 courses (6 credits)

Can select courses from approved list

Social and Behavioral Analysis:
1 course (3 credits)

Can select courses from approved list

WASHTENAW COLLEGE COURSES	UM-DEARBORN EQUIVALENCIES

WASHTENAW COLLEGE COURSES

Mathematics
MTH 191 Calculus I (5)
MTH 192 Calculus II (4)
MTH197 Linear Algebra (4)
Do not have Discrete Math

Laboratory Science
BIO 162 General Biology II Cells & Molecules
CHM 111 General Chemistry I & Lab
CHM 122 General Chemistry II & Lab
CHM 211 Organic Chemistry I & Lab
GLG 114 Physical Geology & Lab
PHY 111 General Physics I & Lab
PHY 122 General Physics II & Lab

General Elective
Too many to list

Computer Science
CPS171 or CPS161 Intro programming C++/Java(4)
CPS271 Object features of C++ (4)
CPS261 Adv Java or CPS141 Python or CPS292 C#

UM-DEARBORN EQUIVALENCIES

4 Courses (15 credits)
MATH 115 Calculus I (4)
MATH 116 Calculus II (4)
MATH 227 Linear Algebra
(3)
CIS 275 Discrete Math (4)

3 Course (12 credits)
BIOL 130 (4) and BIOL 140 (4);
CHEM 134 (4) or 144 (4) and CHEM 136 (4);
GEOL 118 (4) and GEOL 218 (4);
PHYS 125 (4) and PHYS 126 (4);
PHYS 150 (4) and PHYS 151 (4).

1 Course (3 credits)
Any 100 to 400 level courses with no more than 3 credits

3 Courses (11 credits)
CIS 150 Computer Science I (4)
CIS 200 Computer Science II (4)
CIS 296 Java or CIS 297 C# or CIS 298 Pytho