UNIVERSITY OF MICHIGAN-DEARBORN

Transfer Planning Guide

College of Engineering and Computer Science BS in Software Engineering

This guide is a tool for students to determine how their transferable credits may apply toward degree requirements. The information on this document is unofficial. An official credit evaluation will be provided upon admission.

Name _____   Transfer School _____

Total Degree Credits 120	Potential Applicable Credits	Completed Applicable Credits

DEARBORN DISCOVERY CORE

The Dearborn Discovery Core (DDC) is the university's general education program. The Michigan Transfer Agreement (MTA) is a state-wide program designed to facilitate the transfer of general education requirements from a community college to a university degree. Students can choose to apply transfer credits on an individual basis or use the MTA to fulfill DDC requirements.

DDC Requirements (9 credits)	Fulfilled with	MTA Requirement
Written & Oral Communication	Satisfied by degree requirements COMP 105	2 courses in English Composition/Communications
	Satisfied by degree requirements COMP 270	
Social & Behavioral Analysis	Satisfied by degree requirements ECON 201	2 courses in Social Science
	Satisfied by degree requirements OB 354	
Humanities & the Arts		2 courses in Humanities & Fine Arts
Quantitative Thinking/Problem Solving	Satisfied by degree requirements MATH 115	1 course in Mathematics
Natural Sciences	Satisfied by degree requirements SCI SEQ	2 courses in Natural Science; one with a lab
	Satisfied by degree requirements SCI SEQ	
Upper-Level Writing Intensive	Satisfied by degree requirements CIS 375	N/A
Critical and Creative Thinking	Satisfied by degree requirements CIS 4961/4962	N/A
Intersections	Satisfied by degree requirements CIS 306	N/A
	Satisfied by degree requirements CIS 479	
Capstone Experience	Satisfied by degree requirements CIS 4961/4962	N/A

Students should check with their community college to determine which courses can be used to fulfill the MTA categories and learn the details for obtaining an MTA endorsement on their transcript. **Students transferring to UM-Dearborn must have the *Michigan Transfer Agreement Satisfied* designation posted on their transcript to take advantage of the MTA.**

UM-Dearborn Course Name and Credits		Transfer Equivalent
Prerequisite Courses (51 credits)		
COMP 105, Writing & Rhetoric	3	
COMP 270, Tech Writing for Engineers	3	
ECON 201, Macroeconomics	3	
MATH 115, Calculus I	4	
MATH 116, Calculus II	4	
MATH 227, Introduction to Linear Algebra	3	
CIS 150, Computer Science I	4	
CIS 200, Computer Science II	4	
CIS 275, Discrete Structures I	4	
CIS 306, Discrete Structures II	4	
IMSE 317, Engineering Probability and Statistics	3	
Choose one lab science sequence: BIOL 130 & 320	8	
CHEM 134 & 136		
GEOL 118 & 218		
PHYS 125 & 126		
PHYS 150 & 151		
Additional 4 credit science. Course must be from a different subject than the two-course sequence.	4	

*This course is not equivalent to BIOL 320, but can be used to waive it.
**If both physics sequences are taken, credit will be applied for one sequence only.

Major Core (37 credits)		
CIS 285, Software Engineering Tools	3	
CIS 310, Computer Org and Assembly Language	4	
CIS 3501, Data Structure and Algorithm Analysis for SE	4	
CIS 375, Software Engineering I	4	
CIS 376, Software Engineering II	4	
CIS 427, Computer Networks and Distributed Process	4	
CIS 450, Operating Systems	4	
CIS 476, Software Architecture & Design Patterns	3	
CIS 4961, Design Seminar for SE I	2	
CIS 4962, Design Seminar for SE II	2	
OB 354, Behavior in Organizations	3	

CHOOSE ONE OF THE FOLLOWING APPLICATION SEQUENCES		
Information Systems Sequence (7 credits)		
CIS 425, Information Systems	4	
CIS 447, Introduction to Computer & Network Security	3	
Computer Game Design Sequence (9 credits)		
CIS 297, Introduction to C Sharp	3	
CIS 487, Computer Game Design & Implementation	3	
CIS 488, Computer Game Design II	3	
Web Engineering Sequence (7 credits)		
CIS 421, Database Management Systems	4	
CIS 435, Web Tech or CIS 436, Mobile App Design & Implementation	3	
Artificial Intelligence Sequence (9 credits)		
CIS 411, Introduction to Natural Language Processing	3	
CIS 479, Introduction to Artificial Intelligence	3	
CIS 481, Computational Learning	3	

Electives (14-16 credits)
Technical Electives: Select 5-7 credits from the list. Only one course from **CIS 296**, **CIS 297** or **CIS 298** may be used toward the degree.
General Electives: As many 100 to 400 level courses, not on the No Credit list, as needed to reach a minimum of 125 credits for graduation. (7-11 credits)

Your Transfer Plan				
Semester	Semester	Semester	Semester	Semester

Notes and Information to Explore

College of Engineering and Computer Science Admission

- Submission of an application and transcripts from every college/university attended
- A minimum grade point average (GPA) of 2.75

Transfer Credit Policies

- A maximum of 62 community college credits may be applied.
- A maximum of 75 credits from a university or university & community college combination be applied.
- Courses must be completed with a minimum grade of C to transfer.

Application Deadlines
All materials must be received by application deadline to be considered for admission.

- Fall: August 15
- Winter: December 15
- Summer I: April 15
- Summer II: June 15

For specific questions about program requirements, contact the Office of Undergraduate Admissions Transfer Team at transferteam@umich.edu.

Find additional information at https://umdearborn.edu/admissions/undergraduate/ready-apply/transfer-students.

It is the responsibility of the student to be aware of changes that affect transferring. Students are encouraged to review the transfer guide requirements on an annual basis. Degree requirements are not guaranteed until a student is admitted. These guides are solely intended for planning transferable courses.