UNIVERSITY OF MICHIGAN-DEARBORN

Transfer Planning Guide
College of Engineering and Computer Science BS in Computer & Information Science

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 (12 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	2 courses in Social Science
Humanities & the Arts		2 courses in Humanities & Fine Arts
Quantitative Thinking/Problem Solving	Satisfied by degree requirements MATH115	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 4951	N/A
Intersections	Satisfied by degree requirements CIS 479	N/A
	Satisfied by degree requirements ENGR 400	
Capstone Experience	Satisfied by degree requirements CIS 4952	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 (43 credits)		Completed
COMP 105, Writing & Rhetoric	3	
COMP 270, Tech Writing for Engineers	3	
ECON 201 or 202, Macro or Microeconomics	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	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		

*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 (24 credits)		
CIS 310, Computer Org and Assembly Language	4	
CIS 350, Data Structure and Algorithm Analysis	4	
CIS 375, Software Engineering I	4	
CIS 427, Computer Networks and Distributed Process	4	
CIS 450, Operating Systems	4	
CIS 4951, Design Seminar I	2	
CIS 4952, Design Seminar II	2	

CHOOSE ONE OF THE FOLLOWING CONCENTRATIONS		
Artificial Intelligence Concentration (41 credits)		
Natural Science, Four additional credits different from the two-course sequence used for the major requirement.	4	
CIS 298, Introduction to Python	3	
CIS 306, Discrete Structures II	4	
CIS 411, Introduction to Natural Language Processing	3	
CIS 479, Introduction to Artificial Intelligence	3	
CIS 481, Computational Learning	3	
CIS 483, Deep Learning	3	
Technical Electives, select 18 credits	18	
Computer Science Concentration (41 credits)		
Natural Science, Four additional credits different from the two-course sequence used for the major requirement.	4	
CIS 306, Discrete Structures	4	
CIS 296, Java Programming, CIS 297, Intro to C Sharp, or CIS 298, Intro to Python	3	
CIS 405, Algorithm Analysis & Design or CIS 479, Intro Artificial Intelligence	3	
Choose one course from the list	3	
Technical Electives, select 24 credits	24	
Game Design Concentration (41 credits)		
Natural Science, Four additional credits different from the two-course sequence used for the major requirement.	4	
CIS 297, Into to C Sharp	3	
CIS 306, Discrete Structures II	4	
CIS 451, Computer Graphics	3	
CIS 452, Information Visualization and Virtualization	3	
CIS 479, Introduction to Artificial Intelligence	3	
CIS 487, Computer Game Design & Implementation	3	
CIS 488, Computer Game Design II	3	
Technical Electives, select 15 credits	15	
Information Systems Concentration (44 credits)		
ACC 298, Financial Accounting	3	
IMSE 3005, Intro to Operations Research	4	
CIS 296, Java Programming; 297, Intro to C Sharp; or 298, Intro to Python	3	
CIS 421, Database Management Systems	4	
CIS 425, Information Systems	4	
CIS 476, Soft Arch & Design Patterns	3	
OB 354, Behavior in Organization	3	
Choose two courses from the list	6	
Technical Electives, select 14 credits	14	

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.