

Transfer Planning Guide

College of Engineering and Computer Science BSE in Robotics 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 125	Potential Applicable Credits	Completed Applicable Credits
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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 (15 credits)	Fulfilled with	MTA Requirement
Written & Oral Communication	Satisfied by degree requirements COMP 270	2 courses in English Composition/Communications
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 MATH 115	1 course in Mathematics
Natural Sciences	Satisfied by degree requirements PHYS 150	2 courses in Natural Science; one with a lab
	Satisfied by degree requirements PHYS 151	
Upper-Level Writing Intensive	Satisfied by degree requirements ECE 4987/4988	N/A
Critical and Creative Thinking		N/A
Intersections	Satisfied by degree requirements ENT 400	N/A
	Satisfied by degree requirements IMSE 421	
Capstone Experience	Satisfied by degree requirements ECE 4987/4988	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 (56 credits)		
ENGR 100, Introduction to Engineering and Engineering Design	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 215, Calculus III	4	
MATH 228, Differential Equations with Linear Algebra	4	
IMSE 317, Engineering Probability and Statistics	3	
CHEM 134, General Chemistry IA	4	
PHYS 150, General Physics I	4	
PHYS 151, General Physics II	4	
ECE 276, Discrete Math in Computer Engineering or MATH 276, Discrete Math Methods Computer Engineering	4	
ECE 273, Digital Systems	4	
ECE 270, Computer Methods in ECE I	4	
ECE 210, Circuits	4	

Major Core (43 credits)		
ECE 311, Electronic Circuits	4	
ECE 3731, Microprocessors and Embedded Systems	4	
ECE 347, Applied Dynamics	4	
ECE 3641, Robotic Manipulation	4	
ECE 3171, Analog & Discrete Signals & Systems	4	
ECE 370, Advanced Software Technology in Computer Engineering	4	
IMSE 381, Industrial Robots	4	
ECE 460, Automatic Control Systems or ME 442, Control Systems Analysis and Design	4	
ECE 4641, Mobile Robots	4	
ENT 400, Entrepreneurial Thinking & Behavior	3	
ECE 4987, Robotics Engineering Design I	2	
ECE 4988, Robotics Engineering Design II	2	

Electives (11 credits)
<u>Professional Electives</u> : Select 6-8 credits from the list.
<u>Approved Electives</u> : Select 4-6 credits from the list.

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.