

Transfer Planning Guide

College of Engineering and Computer Science BSE in Electrical 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 (12 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 CHEM 134 Satisfied by degree requirements PHYS 150	2 courses in Natural Science; one with a lab
Upper-Level Writing Intensive	Satisfied by degree requirements ECE 4981/4983	N/A
Critical and Creative Thinking	Satisfied by degree requirements ECE 3171	N/A
Intersections	Satisfied by degree requirements ENT 400 Satisfied by degree requirements ISME 421	N/A
Capstone Experience	Satisfied by degree requirements ECE 4981/4983	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 (55-56 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
Upper level physics , choose one	3-4
ECE 273, Digital Systems	4
ECE 270, Computer Methods in ECE I	4
ECE 210, Circuits	4

Major Core (37-38 credits)		
ECE 311, Electronic Circuits I	4	
ECE 3731, Microprocessors and embedded Systems	4	
ECE 3171, Analog & Discrete Signals & Systems	4	
ECE 385, Electrical Materials & Devices or ECE 3851, Introduction to Electrical Materials & Devices	3-4	
ECE 450, Analog and Digital Communication Systems	4	
ECE 460, Automatic Control Systems	4	
ECE 480, Introduction to Digital Signal Processing	4	
ECE 4951, Systems Design and Microcontrollers	3	
ENT 400, Entrepreneurial Thinking & Behavior	3	
ECE 4981, Electrical Engineering Design I	2	
ECE 4983, Electrical Engineering Design II	2	

Electives (minimum 19-21 credits)
Must complete a minimum of 15 credits between the professional and technical electives
Professional Electives – Select a minimum of two courses from the list.
Technical Electives – Select a minimum of two courses from the list.
General Electives - As many 100 to 400 level courses as needed to reach a minimum of 125 credits for graduation. (4-6 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.