

Transfer Planning Guide

College of Engineering and Computer Science, Bachelor of Science in Engineering, 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. UM-Dearborn strongly recommends that prospective students work with our Transfer Specialists to ensure they are taking the correct courses.

Student Name:	Transfer School: Schoolcraft College
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Curriculum Requirements

Total Degree Credits Required	Maximum Number of Applicable Transfer Credits	Completed Applicable Credits
125	56	

1) Dearborn Discovery Core (12 credits)

The Dearborn Discovery Core (DDC) is the university’s general education program. Some requirements can be fulfilled by courses specific to the degree. Students can apply transfer credits on an individual basis or apply the Michigan Transfer Agreement as a whole. Students should check with their community college for details about the MTA. **Students must have the *Michigan Transfer Agreement Satisfied* designation posted on their transcript to take advantage of the MTA.**

UM-Dearborn Requirement	Corresponding MTA Requirement	Fulfilled With	Transfer Complete
Written & Oral Communication	English Composition/Comm	Degree Requirements	N/A
Written & Oral Communication	English Composition/Comm	Degree Requirements	N/A
Social & Behavioral Analysis	Social Science	Degree Requirements	N/A
Social & Behavioral Analysis	Social Science		<input type="checkbox"/>
Social & Behavioral Analysis	N/A		<input type="checkbox"/>
Humanities & the Arts	Humanities & Fine Arts		<input type="checkbox"/>
Humanities & the Arts	Humanities & Fine Arts		<input type="checkbox"/>

Quantitative Thinking	Mathematics	Degree Requirements	N/A
Natural Sciences	Natural Science lecture with a lab	Degree Requirements	N/A
Natural Sciences	Natural Science lecture	Degree Requirements	N/A
Upper-Level Writing Intensive	N/A	Degree Requirements	N/A
Critical and Creative Thinking	N/A	Degree Requirements	N/A
Intersections	N/A	Degree Requirements	N/A
Intersections	N/A	Degree Requirements	N/A
Capstone Experience	N/A	Degree Requirements	N/A

2) Prerequisites to the Major (60 credits)

UM-Dearborn Course or Requirement	Credits	Transfer Equivalent	Transfer Complete
ENGR 100, Intro to Engr and Engr Design	3	ENGR 100	<input type="checkbox"/>
COMP 270, Technical Writing for Engineers	3	ENG 116	<input type="checkbox"/>
ECON 201 or 202, Macro or Microeconomics	3	ECON 201 or 202	<input type="checkbox"/>
MATH 115, Calculus I	4	MATH 150	<input type="checkbox"/>
MATH 116, Calculus II	4	MATH 151	<input type="checkbox"/>
MATH 215, Calculus III	4	MATH 240	<input type="checkbox"/>
MATH 228, Diff Equations with Linear Algebra	4	MATH 252	<input type="checkbox"/>
IMSE 317, Engineering Probability & Statistics	3	N/A	N/A
CHEM 134, General Chemistry IA	4	CHEM 111	<input type="checkbox"/>
PHYS 150 & 150L, General Physics I & Lab	4	PHYS 211	<input type="checkbox"/>
PHYS 151 & 151L, General Physics II & Lab	4	PHYS 212	<input type="checkbox"/>
ECE 237, Energy Systems in Electric, Autonomous, and Robotic Vehicles	4	N/A	N/A
ECE 276 or MATH 276, Discrete Math	4	N/A	N/A
ECE 273, Digital Systems	4	N/A	N/A
ECE 270, Computer Methods in ECE I	4	N/A	N/A
ECE 210, Circuits	4	N/A	N/A

3) Major Core (43 credits)

UM-Dearborn Course or Requirement	Credits
ECE 311, Electronic Circuits	4
ECE 347, Applied Dynamics	4
ECE 3731, Microprocessors and Embedded Systems	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 or ENGR 400, Appl Business Tech for Engr	3
ECE 4987, Robotics Engineering Design I	2
ECE 4988, Robotics Engineering Design II	2

4) Program Electives (7-10 credits)

UM-Dearborn Course or Requirement	Credits	Transfer Equivalent	Transfer Complete
Professional Electives : select 3-4 credits from the list of classes	3-4	N/A	N/A
Approved Electives : select 3-4 credits from the list of classes	3-4	ENGR 201+202 or ENGR 201+202+203	<input type="checkbox"/>
General Electives: As many 100 to 400 level courses as needed to reach 125 credits for graduation. Cannot use courses from the No-Credit Courses list .	0-3	Any transferable course not on the no-credit list.	<input type="checkbox"/>

Notes and Information to Explore

Admission Information

1) Admission Requirements

- Detailed information can be found on the [Apply as a Transfer Student website](#).
- Submission of an application and transcripts from every college/university attended.
- Transfer students with less than 24 completed college credits must also provide their high school transcripts.
- A minimum cumulative grade point average of 2.50 for all majors with one exception.
 - Minimum 2.75 for the College of Engineering and Computer Science if Calculus II is not complete.

2) Application Deadlines

All required materials must be received by the application deadline to be considered for admission.

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

3) Transfer Policies

- Courses must be completed with a minimum grade of C to be accepted for transfer.
- Courses accepted for transfer are not guaranteed to apply towards the chosen degree program.
- There is no limit to the number of credits that can be transferred, however, a minimum of 30 credits must be completed at UM-Dearborn to earn a degree.
- For specific questions about program requirements, contact the Office of Undergraduate Admissions Transfer Team at transferteam@umich.edu.
- 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.