

Transfer Planning Guide

College of Engineering and Computer Science

Bachelor of Science: Computer and 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. 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
----------------------	---------------------------------------------

Curriculum Requirements

Total Degree Credits Required	Maximum Number of Applicable Transfer Credits	Completed Applicable Credits
120	51	

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 this degree, some must be completed at UM-Dearborn, and some can be fulfilled by transfer courses. Students can apply transfer credits toward individual requirements or utilize the Michigan Transfer Agreement. Check with your 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 (43 credits)

UM-Dearborn Course or Requirement	Credits	Transfer Equivalent	Transfer Complete
COMP 105, Writing & Rhetoric I	3	ENG 101	<input type="checkbox"/>
COMP 270, Tech Writing for Engineers	3	ENG 116 or 102	<input type="checkbox"/>
ECON 201 or 202, Prin: 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 227, Introduction to Linear Algebra	3	MATH 230	<input type="checkbox"/>
CIS 150, Computer Science I	4	CIS 211+221	<input type="checkbox"/>
CIS 200, Computer Science II	4	N/A	N/A
CIS 275, Discrete Structures I	4	N/A	N/A
IMSE 317, Eng Probability and Statistics	3	N/A	N/A
Choose a two-course lab science sequence: BIOL 130 & 320, CHEM 134 & 136, GEOL 118 & 218, PHYS 125/125L & 126/126L, PHYS 150/150L & 151/151L**	8	BIOL 130&120*, CHEM 111&117 EARTH 140&240, PHYS 181&182 PHYS 211&212	<input type="checkbox"/> <input type="checkbox"/>

*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.

3) Major Core (24 credits) Courses are not transferable from a community college.

UM-Dearborn Course or Requirement	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

4) CIS Concentrations (41-44 credits) Must choose one.

Artificial Intelligence Concentration	Credits	Transfer Equivalent	Transfer Complete
Natural Science, different from the two-course sequence used for the major. <u>Choose one from list.</u>	4	PHYS 104, BIOL 120, 130, CHEM 111, 117, 213, 214, EARTH 140, 240, PHYS 181, 182, 211, 212	<input type="checkbox"/>
CIS 298, Introduction to Python	3	N/A	N/A
CIS 306, Discrete Structures II	4	N/A	N/A
CIS 411, Introduction to Natural Language Processing	3	N/A	N/A
CIS 479, Introduction to Artificial Intelligence	3	N/A	N/A
CIS 481, Computational Learning	3	N/A	N/A
CIS 483, Deep Learning	3	N/A	N/A
Technical Electives, <u>select courses from the list</u>	18	N/A	N/A

Computer Science Concentration	Credits	Transfer Equivalent	Transfer Complete
Natural Science, different from the two-course sequence used for the major. <u>Choose one from list.</u>	4	PHYS 104, BIOL 120, 130, CHEM 111, 117, 213, 214, EARTH 140, 240, PHYS 181, 182, 211, 212	<input type="checkbox"/>
CIS 306, Discrete Structures II	4	N/A	N/A
CIS 296, Java Programming, CIS 297, Intro to C Sharp, or CIS 298, Intro to Python	3	CIS 290 or 223	<input type="checkbox"/>
CIS 405, Algorithm Analysis & Design or CIS 479, Intro Artificial Intelligence	3	N/A	N/A
<u>Select one course from the list</u>	3	N/A	N/A
Technical Electives, <u>select courses from the list</u>	24	N/A	N/A

Game Design Concentration	Credits	Transfer Equivalent	Transfer Complete
Natural Science, different from the two-course sequence used for the major. <u>Choose one from list.</u>	4	PHYS 104, BIOL 120, 130, CHEM 111, 117, 213, 214, EARTH 140, 240, PHYS 181, 182, 211, 212	<input type="checkbox"/>
CIS 297, Intro to C Sharp	3	CIS 223	<input type="checkbox"/>
CIS 306, Discrete Structures II	4	N/A	N/A
CIS 451, Computer Graphics and Visual Computing	3	N/A	N/A
CIS 452, Info Visualization with Parallel Computing	3	N/A	N/A
CIS 479, Introduction to Artificial Intelligence	3	N/A	N/A
CIS 487, Computer Game Design & Implementation	3	N/A	N/A
CIS 488, Computer Game Design II	3	N/A	N/A
Technical Electives, <u>select courses from the list</u>	15	N/A	N/A

Information Systems Concentration	Credits	Transfer Equivalent	Transfer Complete
ACC 298, Financial Accounting	3	ACCT 201	<input type="checkbox"/>
IMSE 3005, Intro to Operations Research	4	N/A	N/A
CIS 296, Java Programming; 297, Intro to C Sharp; or 298, Intro to Python	3	CIS 290 or 223	<input type="checkbox"/>
CIS 421, Database Management Systems	4	N/A	N/A
CIS 425, Information Systems	4	N/A	N/A
CIS 476, Soft Arch & Design Patterns	3	N/A	N/A
OB 354, Behavior in Organization	3	N/A	N/A
<u>Choose two courses from the list</u>	6	N/A	N/A
Technical Electives, <u>select courses from the list</u>	14	N/A	N/A

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.