

## Transfer Planning Guide

### College of Engineering and Computer Science BSE in Bioengineering

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 128 | 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 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  | 2 courses in Natural Science; one with a lab    |
|                                       | Satisfied by degree requirements PHYS 150  |                                                 |
| Upper-Level Writing Intensive         | Satisfied by degree requirements BENG 4671 | N/A                                             |
| Critical and Creative Thinking        | Satisfied by degree requirements BENG 351  | N/A                                             |
| Intersections                         | Satisfied by degree requirements BENG 381  | N/A                                             |
|                                       | Satisfied by degree requirements BENG 4671 |                                                 |
| Capstone Experience                   | Satisfied by degree requirements BENG 4671 | 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 (64 credits)                            |   |                     |
| 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 |                     |
| CHEM 134, General Chemistry IA                               | 4 |                     |
| CHEM 136, General Chemistry IIA                              | 4 |                     |
| BENG 200, Anatomy and Physiology for Engineers               | 4 |                     |
| BIOL 140, Introduction to Molecular & Cellular Biology       | 4 |                     |
| PHYS 150, General Physics I                                  | 4 |                     |
| PHYS 151, General Physics II                                 | 4 |                     |
| ENGR 100, Introduction to Engineering and Engineering Design | 3 |                     |
| ENGR 126, Engineering Computer Graphics                      | 2 |                     |
| ENGR 216, Computer Methods for Engineers                     | 2 |                     |
| ENGR 250, Principles of Engineering Materials                | 3 |                     |
| ME 230, Thermodynamics                                       | 4 |                     |
| ME 265, Applied Mechanics                                    | 4 |                     |

| Major Core (31 credits)                              |   |  |
|------------------------------------------------------|---|--|
| ECE 305, Introduction to Electrical Engineering      | 4 |  |
| BENG 325, Thermofluid for Bioengineering             | 4 |  |
| BENG 351, Bio-Sensors & Instrumentation              | 4 |  |
| BENG 370, Biomechanics I                             | 4 |  |
| BENG 364, Probability & Statistics in Bioengineering | 3 |  |
| BENG 375, Biomaterial Tissue Engineering             | 4 |  |
| BENG 381, Bioprocessing                              | 4 |  |
| BENG 4671, Senior Design                             | 4 |  |

| Program Electives (minimum 18 credits)                                                                                              |  |
|-------------------------------------------------------------------------------------------------------------------------------------|--|
| Choose a minimum of 18 credits of upper-level elective courses from the following lists. At least 9 credits/3 classes must be BENG. |  |
| <a href="#">Upper-Level Design Electives</a> : Must select at least one course from this list.                                      |  |
| <a href="#">Upper-Level Technical Electives</a>                                                                                     |  |

| 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](mailto: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.