



This transfer plan will help guide you in making the transition from community college to Wayne State University. **WSU strongly recommends that all transfer students meet with a WSU advisor in order to ensure you are taking the correct courses before transferring.** Here’s the advisor contact information to set up an appointment:

- Biomedical Engineering: Namrata Murthy [nmurthy@wayne.edu](mailto:nmurthy@wayne.edu)
- Chemical Engineering: Tracy Castle [tfcastle@wayne.edu](mailto:tfcastle@wayne.edu)
- Civil Engineering: Elizabeth Hill [ekondrat@wayne.edu](mailto:ekondrat@wayne.edu)
- Electrical Engineering: Emily Reetz [ereetz@wayne.edu](mailto:ereetz@wayne.edu)
- Industrial Engineering: Gail Evans [gevans@wayne.edu](mailto:gevans@wayne.edu)
- Mechanical Engineering: Keith Wadley [keith.wadley@wayne.edu](mailto:keith.wadley@wayne.edu)
- Undecided: Casey Rue [crue@wayne.edu](mailto:crue@wayne.edu)

One of the main areas of focus for transfer students is the WSU **General Education Requirements**. These are classes in addition to courses within your major that are required to ensure fundamental skills and a well-rounded education. There are two ways that transfer students can meet these requirements:

**Michigan Transfer Agreement (MTA)**

A student whose community college transcript is endorsed as "MTA satisfied" has completed WSU's General Education Requirements. See here for specific MTA information and courses that qualify for MTA:  
<https://www.monroecc.edu/transfer/michigan-transfer-agreement>

**Direct Course Equivalencies for each category**

- If you do not have an MTA endorsement, you can transfer the courses below to meet each requirement.
- Choose **one** from each category **except** for the Natural Scientific Inquiry, which requires **two** courses.
- Courses with an **asterisk (\*)** fall under more than one category, but these courses will fulfill only one category that would benefit the student most.

|   |   |
|---|---|
| Basic Composition (BC)  | Fulfilled by degree requirements on page 2                      |
| Intermediate Composition (IC)   | Fulfilled by degree requirements on page 2                      |
| Oral Communication (OC)   | Fulfilled by degree requirements on page 2                      |
| Quantitative Experience (QE)  | Fulfilled by degree requirements on page 2                      |
| Civic Literacy (CIV)  | HIST 154*, 155*, POLSC 151*                                     |
| Global Learning Inquiry (GL)  | FREN 251, GERMN 251, HIST 151* 158*, 173*, HUMAN 151*, SPAN 251 |
| Natural Scientific Inquiry (NSI) - Choose 2<br><small>Note: One of the two required NSI courses must contain a laboratory section (See the courses that are <u>underlined</u>).</small> | Fulfilled by degree requirements on page 2                      |
| Cultural Inquiry (CI)   | Fulfilled by degree requirements on page 2                      |
| Social Sciences (SI)  | Fulfilled by degree requirements on page 2                      |
| Diversity, Equity and Inclusion Inquiry (DEI)   | MUSIC 265, PHIL 254*, SOC 251*                                  |

In addition to completing WSU’s general education requirements, students must fulfill requirements for the college/major of interest below **(no more than 64 credits from a two-year school will apply toward a Wayne State University degree):**

**Bachelors of Science degree requirements for the following Majors are indicated with an 'X':**

- Biomedical Engineering (BME)
- Chemical Engineering (CHE)
- Civil Engineering (CE)
- Electrical and Computer Engineering (ECE)
- Industrial and Manufacturing Engineering (IE)
- Mechanical Engineering (ME)

| Wayne State University                     |                            |          | Monroe   |     | Degree Requirements |     |    |     |    |    |
|--|----------------------------|----------|--|-----|---------------------|-----|----|-----|----|----|
| Title                                      | WSU Course                 | Cr.      | Course   | Cr. | BME                 | CHE | CE | ECE | IE | ME |
| Calculus I (QE)                            | MAT 2010                   | 4        | MATH 171   | 4   | X                   | X   | X  | X   | X  | X  |
| Calculus II (QE)                           | MAT 2020                   | 4        | MATH 172   | 4   | X                   | X   | X  | X   | X  | X  |
| Calculus III                               | MAT 2030                   | 4        | MATH 271   | 4   | X                   | X   | X  | X   | X  | X  |
| Linear Algebra and Differential Equations  | MAT 2150<br>(or 2250+2350) | 4<br>(6) | MATH 251 + 273                                       | 6   | X                   | X   | X  | X   | X  | X  |
| General Physics I (NSI)                    | PHY 2175                   | 4        | PHY 251  | 5   |                     | X   | X  | X   | X  | X  |
| General Physics II                         | PHY 2185                   | 4        | PHY 252  | 5   | X                   | X   | X  | X   | X  | X  |
| General Physics I + Lab (NSI)              | PHYS 2175/2171             | 5        | PHY 251  | 5   | X                   | X   | X  | X   |    |    |
| Principles of Chemistry I (NSI)            | CHM 1225/1230              | 4        | CHEM 151   | 4   | X                   | X   | X  | X   | X  | X  |
| Organic Chemistry I                        | CHM 1240/1250              | 5        | CHEM 251   | 4   | X                   | X   |    |     |    |    |
| Organic Chemistry II                       | CHM 2225                   | 3        | No equivalent  |     |                     | X   |    |     |    |    |
| Basic Biology I (NSI)                      | BIO 1510                   | 3        | BIOL 151   | 4   | X                   | X   | X  |     |    |    |
| Microeconomics (SI) or Macroeconomics (SI) | ECO 2010 or ECO 2020       | 4        | ECON 252 or ECON 251                                 | 3   |                     | X   | X  | X   | X* | X  |
| Intro. College Writing (BC)                | ENG 1020                   | 3        | ENGL 151   | 3   | X                   | X   | X  | X   | X  | X  |
| Tech. Comm I: Rpts (IC)                    | ENG 3050                   | 3        | No equivalent course at Monroe– must be taken at WSU | 4   | X                   | X   | X  | X   | X  | X  |
| Tech. Comm II: Prsnt (OC)                  | ENG 3060                   | 3        | No equivalent course at Monroe– must be taken at WSU | 3   | X                   | X   | X  | X   | X  | X  |
| Professional Ethics (CI)                   | PHI 1120                   | 3        | No equivalent course at OCC – must be taken at WSU   | 3   |                     | X   | X  | X   | X  | X  |
| Basic Engineering I                        | BE 1200                    | 3        | No equivalent course at Monroe– must be taken at WSU | 3   |                     | X   | X  | X   | X  | X  |

\*IE requires ECO 2010.

Once students apply to the College of Engineering, they may be admitted to the Professional Engineering program, the Pre-professional Program, or EOS bridge program, depending on their educational background and placement examination results. Please see here for more information: <https://wayne.edu/students/majors/engineering/>

**\*\* This plan is for informational purposes only. The University reserves the right to update this plan at any time without notice\*\***