



# ALPENA COMMUNITY COLLEGE TRANSFER GUIDE

## COLLEGE OF ENGINEERING AND SCIENCE

### ENGINEERING PROGRAMS – OLD CORE

The following courses will transfer into a University of Detroit Mercy Engineering program [Architectural, Civil, Electrical, Mechanical, and/or Robotics & Mechatronic Systems]. Normally, students may transfer up to 63 credits. However, due to an Articulation Agreement, students may transfer additional Alpena courses that apply toward their Detroit Mercy engineering degree (currently up to 72 Detroit Mercy credits-varies by program).

To arrange a campus visit, contact an Admissions Counselor at 313-993-1245, 800-635-5020, or [admissions@udmercy.edu](mailto:admissions@udmercy.edu). Detroit Mercy website: [udmercy.edu](http://udmercy.edu)

This guide reflects the Old Core Curriculum effective prior to Fall 2017. Transfer students starting between Fall 2017 and Summer 2021 will have the option to select this Old Core or the New Core. See Transfer Guides indicating “NEW CORE” for the new requirements.

#### ALPENA COMMUNITY COLLEGE COURSES

##### Required Objective 1 courses:

SPE 121 Speech Communication  
 ENG 112 or ENG 122 English Composition II

##### Required Objective 2 & 3 courses:

*Satisfied by program requirements*

##### Required Objective 4 courses:

PHL 225 Philosophy  
 ANP 239; HUM 110, 114  
 ANP 239; HUM 110, 114; PHL 125, 228

##### Required Objective 5 courses:

All engineering disciplines select one OB5D course. Civil, Electrical, Mechanical, and Robotics & Mechatronic Systems Engineering students also select any two courses total from OB5A, OB5B, and/or OB5C.

HST 121, 122, 221, 222

ENG 203, 204, 221, 222, 244

HUM 210, 241, 242; MUS 110; PFA 108

ANP 121, 229; ASL 121, 122; FRN 121, 122; GEO 126;  
 GER 123, 124; PLS 230; PSY 230; SPN 125, 126;

##### Required Objective 6 course:

PHL 228 Intro to Ethics (*if not used for OB4C*)  
 (*ENGR 1000 at Detroit Mercy is recommended*)

#### DETROIT MERCY EQUIVALENCIES

##### Communication Skills:

CST 1010 Fund of Speech OB1  
 ENL 1310 Academic Writing OB1

##### Mathematical & Computer Skills/Scientific Literacy

##### Meaning & Value:

PHL 1000 Intro to Philosophy OB4A  
 Choose 1 Religious Studies course OB4B  
 Choose 1 Philosophy or Religious Studies course OB4C

##### Diverse Human Experience:

Historical Experience courses OB5A

Literary Experience courses OB5B

Aesthetic Experience courses OB5C

Choose one Comparative Experience courses OB5D

##### Social Responsibility:

PHL 2010 Foundations of Ethics OB6A

#### MTA Students only:

Detroit Mercy participates in the **Michigan Transfer Agreement (MTA)**. Most of Detroit Mercy’s Core Curriculum (listed above) will be satisfied for students who complete the MTA. However, MTA students also need to complete the requirements below either as part of the MTA, beyond the MTA at another institution, or at Detroit Mercy.

ENL 1310 (OB1)-if 2<sup>nd</sup> English Comp class is not taken CST 1010 (OB1)-if Communications class is not taken  
 PHL 1000 (OB4A) Religious Studies (OB4B) Ethics (OB6A) OB6B-take at Detroit Mercy

A minimum of three OB5 courses must be completed (two of Arch Engr’s OB5 requirements are specific courses taken at Detroit Mercy).

Students should select courses that meet both the MTA and program specific requirements.

For the Engineering programs, it may not necessarily be an advantage to complete the MTA.

Contact the Transfer Credit Team if you have any questions: [transferteam@udmercy.edu](mailto:transferteam@udmercy.edu) or 313-993-1940.

## ALPENA COMMUNITY COLLEGE COURSES

## DETROIT MERCY EQUIVALENCIES

**Math, Science, Engineering Courses****All Engineering disciplines:**

|     |     |  |     |           |   |
|-----|-----|--|-----|-----------|---|
| CEM | 121 | General and Inorganic Chemistry                          | CHM | 1070/1100 | General Chemistry I/Lab                 |
| MTH | 131 | Analytic Geometry and Calculus I                         | MTH | 1410      | Analytic Geometry & Calculus I          |
| MTH | 132 | Analytic Geometry and Calculus II                        | MTH | 1420      | Analytic Geometry & Calculus II         |
| MTH | 231 | Analytic Geometry and Calculus III                       | MTH | 2410      | Analytic Geometry & Calculus III        |
| MTH | 232 | Differential Equations                                   | MTH | 3720      | Differential Equations w/Linear Algebra |
| PHY | 221 | Physics  | PHY | 1600/1610 | General Physics I/Lab                   |
| PHY | 222 | Physics  | PHY | 1620/1630 | General Physics II/Lab                  |
| EGR | 122 | Intro to Engineering ( <i>recommended but optional</i> ) |     |           |   |

**Additional courses for Architectural Engineering:**

|      |     |           |            |      |      |            |      |      |                        |
|------|-----|-----------|------------|------|------|------------|------|------|------------------------|
| *ART | 123 | Design I  | <b>AND</b> | *ART | 124  | Design II  | ARCH | 1100 | Architectural Design I |
| *ART | 127 | Drawing I | <b>AND</b> | *ART | 128  | Drawing II | ARCH | 1110 | Visual Communication I |
| EGR  | 221 | Statics   |            | ENGR | 3120 | Statics    |      |      |                        |

\* Only transferable for Detroit Mercy course listed if approved with portfolio review.

**Additional courses for Civil Engineering:**

|     |          |   |  |      |                                  |                               |
|-----|----------|---|--|------|----------------------------------|-------------------------------|
| BIO | 161, 162 | ( <i>or another approved biology course</i> ) |  |      | Choose 1 approved Biology course |                               |
| EGR | 221      | Statics                                       |  | ENGR | 3120                             | Statics                       |
| ENG | 123      | Technical Communication                       |  | ENL  | 3030                             | Technical Writing             |
| MTH | 221      | C++ Programming                               |  | CSSE | 1712                             | Introduction to Programming I |

**Additional courses for Electrical Engineering**

|     |     |                         |  |      |      |                                    |
|-----|-----|-------------------------|--|------|------|------------------------------------|
| EGR | 130 | Team Design Project     |  | ENGR | 1080 | Fundamentals of Engineering Design |
| ENG | 123 | Technical Communication |  | ENL  | 3030 | Technical Writing                  |
| MTH | 221 | C++ Programming         |  | CSSE | 1712 | Introduction to Programming I      |

**Additional courses for Mechanical Engineering**

|     |     |                     |  |      |      |                                    |
|-----|-----|---------------------|--|------|------|------------------------------------|
| EGR | 130 | Team Design Project |  | ENGR | 1080 | Fundamentals of Engineering Design |
| EGR | 221 | Statics             |  | ENGR | 3120 | Statics                            |
| MTH | 221 | C++ Programming     |  | CSSE | 1712 | Introduction to Programming I      |

**Additional courses for Robotics & Mechatronic Systems Engineering**

|     |     |                         |  |      |      |                                    |
|-----|-----|-------------------------|--|------|------|------------------------------------|
| EGR | 130 | Team Design Project     |  | ENGR | 1080 | Fundamentals of Engineering Design |
| EGR | 221 | Statics                 |  | ENGR | 3120 | Statics                            |
| ENG | 123 | Technical Communication |  | ENL  | 3030 | Technical Writing                  |
| MTH | 221 | C++ Programming         |  | CSSE | 1712 | Introduction to Programming I      |

**ENTRANCE REQUIREMENTS**

- Minimum 2.5 GPA based on 24 or more credits earned from ACC (and/or other institutions).
- If less than 24 credits have been earned, a student's high school transcript is required.
- Apply for admission to Detroit Mercy at [udmercy.edu/apply](http://udmercy.edu/apply); the application is free.

If you have any questions regarding Alpena CC courses and how they transfer to Detroit Mercy, contact the Transfer Team at 313-993-1940 or [transferteam@udmercy.edu](mailto:transferteam@udmercy.edu).

Contact Detroit Mercy to learn more about **scholarships (including the Hank Nickol-Alpena Scholarship)**, award-winning **faculty**, and **co-op**. For *over 100 years*, Detroit Mercy has been preparing proficient engineers with an excellent academic curriculum and required co-op program. Students obtain one year of experience and earn an average of over \$30,000 during their three co-op assignments.