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. Detroit Mercy website: 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

<table>
<thead>
<tr>
<th>Required Objective 1 courses:</th>
<th>DETROIT MERCY EQUIVALENCIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPE 121 Speech Communication</td>
<td>CST 1010 Fund of Speech</td>
</tr>
<tr>
<td>ENG 112 or ENG 122 English Composition II</td>
<td>ENL 1310 Academic Writing</td>
</tr>
</tbody>
</table>

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:  
*(ENGR 1000 at Detroit Mercy is recommended)*

| DETROIT MERCY EQUIVALENCIES |
|------------------------------|-----------------------------|
| Communication Skills:       |                             |
| CST 1010 Fund of Speech     | OB1                          |
| ENL 1310 Academic Writing   | OB1                          |

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:
- 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 2nd 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 or 313-993-1940.
Math, Science, Engineering Courses

All Engineering disciplines:

<table>
<thead>
<tr>
<th>Course</th>
<th>Alpena Community College</th>
<th>Detroit Mercy Equivalencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEM 121</td>
<td>General and Inorganic Chemistry</td>
<td>CHM 1070/1100 General Chemistry I/Lab</td>
</tr>
<tr>
<td>MTH 131</td>
<td>Analytic Geometry and Calculus I</td>
<td>MTH 1410 Analytic Geometry &amp; Calculus I</td>
</tr>
<tr>
<td>MTH 132</td>
<td>Analytic Geometry and Calculus II</td>
<td>MTH 1420 Analytic Geometry &amp; Calculus II</td>
</tr>
<tr>
<td>MTH 231</td>
<td>Analytic Geometry and Calculus III</td>
<td>MTH 2410 Analytic Geometry &amp; Calculus III</td>
</tr>
<tr>
<td>MTH 232</td>
<td>Differential Equations</td>
<td>MTH 3720 Differential Equations w/Linear Algebra</td>
</tr>
<tr>
<td>PHY 221</td>
<td>Physics</td>
<td>PHY 1600/1610 General Physics I/Lab</td>
</tr>
<tr>
<td>PHY 222</td>
<td>Physics</td>
<td>PHY 1620/1630 General Physics II/Lab</td>
</tr>
<tr>
<td>EGR 122</td>
<td>Intro to Engineering (recommended but optional)</td>
<td></td>
</tr>
</tbody>
</table>

Additional courses for Architectural Engineering:

*ART 123 Design I AND *ART 124 Design II  
ARCH 1100 Architectural Design I

*ART 127 Drawing I AND *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 (or another approved biology course)  
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; 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.

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.