# Schoolcraft College Transfer Guide

**College of Engineering and Science**

**Engineering Programs – Old Core**

The following courses will transfer into the University of Detroit Mercy Engineering programs [Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems]. Normally, students may transfer up to 63 credits. However, due to an Articulation Agreement, students may transfer additional Schoolcraft courses that apply toward a Detroit Mercy engineering degree (currently up to 77 Detroit Mercy credits – varies by program).

Course grades must be a 2.0 or better. Additional courses not on this guide may also transfer.

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.

To arrange a campus visit, contact an Admissions Counselor at 313-993-1245 or admissions@udmercy.edu.

Detroit Mercy website: udmercy.edu

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<table>
<thead>
<tr>
<th><strong>Schoolcraft College Courses</strong></th>
<th><strong>Detroit Mercy Equivalencies</strong></th>
</tr>
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<tbody>
<tr>
<td><strong>Required Objective 1 courses:</strong></td>
<td><strong>Communication Skills:</strong></td>
</tr>
<tr>
<td>COMA 103 Fundamentals of Speech</td>
<td>CST 1010 Fundamentals of Speech OB1</td>
</tr>
<tr>
<td>ENG 102 English Composition 2</td>
<td>ENL 1310 Academic Writing OB1</td>
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<tr>
<th><strong>Required Objective 2 and 3 courses:</strong></th>
<th><strong>Math &amp; Computer Skills/Scientific Literacy</strong></th>
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<tr>
<td><strong>Satisfied by program requirements</strong></td>
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<tr>
<th><strong>Required Objective 4 courses:</strong></th>
<th><strong>Meaning &amp; Value:</strong></th>
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<tbody>
<tr>
<td>PHIL 243 An Introduction to Philosophy</td>
<td>PHL 1000 Intro to Philosophy OB4A</td>
</tr>
<tr>
<td>ANTH 211 Myth, Magic, World Religions</td>
<td>Choose 1 Religious Studies course OB4B</td>
</tr>
<tr>
<td>PHIL 247 Logic or PHIL 277 Ethical Problems</td>
<td>Choose 1 additional Philosophy course OB4C</td>
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<tr>
<th><strong>Required Objective 5 courses:</strong></th>
<th><strong>Diverse Human Experience:</strong></th>
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<tbody>
<tr>
<td>All engineering disciplines select one OB5D course.</td>
<td>Choose 1 Comparative Experience course OB5D</td>
</tr>
<tr>
<td>Civil, Electrical, Mechanical, and Robotics &amp; Mechatronic Systems</td>
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<tr>
<td>Engineering students also select any two courses total from OB5A, OB5B and/or OB5C.</td>
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<tr>
<td>HIST 134, 137, 138, 151, 152, 153</td>
<td>Historical Experience courses OB5A</td>
</tr>
<tr>
<td>ENG 243, 244, 245, 246, 248, 251, 252, 275</td>
<td>Literary Experience courses OB5B</td>
</tr>
<tr>
<td>ART 115, 116, 201, 216; ENG 200; HUM 150, 201, 202, 203</td>
<td>Aesthetic Experience courses OB5C</td>
</tr>
<tr>
<td>204, 210, 215; MUSIC 105, 149, 155, 164, 165; THEA 101, 210</td>
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<tr>
<td>ANTH 112, 117, 201, 214; ARB 101, 102, 201, 202, CHIN 101, 102; FR 101, 102, 201, 202; GEOG 133; GER 101, 102, 201, 202;</td>
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<tr>
<td>ITAL 101, 102; POLS 207; PSYCH 206; SOC 210;</td>
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<tr>
<td>SPAN 101, 102, 201, 202</td>
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<tr>
<td>ECON 201 –may be used as OB5 only for students completing an Associate in Engineering degree/following the Articulation Agreement.</td>
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<tr>
<th><strong>Required Objective 6 courses:</strong></th>
<th><strong>Social Responsibility:</strong></th>
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<tbody>
<tr>
<td>PHL 277 Ethical Problems (if not used for OB4C)</td>
<td>Choose 1 Ethics course OB6A</td>
</tr>
<tr>
<td>(ENGR 1000 at Detroit Mercy is recommended)</td>
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**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 Team if you have any questions: transfterteam@udmercy.edu or 313-993-1940.

Based on the 2016-2017 Schoolcraft College catalog 10/11/2016
These courses fulfill requirements for Detroit Mercy’s Engineering programs:

### Schoolcraft College Courses

#### Math, Science, Engineering Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Detroit Mercy Equivalencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 111</td>
<td>General Chemistry 1</td>
<td>CHM 1070/1100 General Chemistry I/Lab</td>
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<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry 1</td>
<td>MTH 1410 Analytical Geom and Calculus I</td>
</tr>
<tr>
<td>MATH 151</td>
<td>Calculus with Analytic Geometry 2</td>
<td>MTH 1420 Analytical Geom and Calculus II</td>
</tr>
<tr>
<td>MATH 240</td>
<td>Calculus with Analytic Geometry 3</td>
<td>MTH 2410 Analytical Geom and Calculus III</td>
</tr>
<tr>
<td>MATH 252</td>
<td>Differential Equations</td>
<td>MTH 3720 Differential Equ w/ Lin Algebra</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>Physics for Scientists &amp; Engineers 1</td>
<td>PHY 1600/1610 General Physics I/Lab</td>
</tr>
<tr>
<td>PHYS 212</td>
<td>Physics for Scientists &amp; Engineers 2</td>
<td>PHY 1620/1630 General Physics II/Lab</td>
</tr>
</tbody>
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**Additional courses for Architectural Engineering:**

- **ART 105** Basic Drawing
- **ART 106** Bsc Design 1 AND **ART 109** 3-Dim Design
  - Only transferable for Detroit Mercy course listed if approved with portfolio review
  - 
  - **CAD 103** Engr Graphics and **ENGR 100** Intro Engr
  - **ARCH 1110** Visual Communication I
  - **ARCH 1100** Architectural Design I
  - **ENGR 201** Statics
  - **ENGR 1050** Engineering Graphics & Design
  - **ENGR 202** Mechanics of Materials
  - **ENGR 3260** Mechanics of Materials
  - **ENGR 203** Dynamics
  - **ENGR 3130** Dynamics

**Additional courses for Civil Engineering:**

- **Biol 101, 120, 130** (or another approved biology course)
  - Choose 1 approved Biology course
- **CAD 103** Engr Graphics and **ENGR 100** Intro Engr
  - **ENGR 1050** Engineering Graphics & Design
- **CIS 211** Introduction to C++
  - **CSSE 1712** Introduction to Programming I
- **ENGR 201** Statics
  - **ENGR 3120** Statics
- **ENGR 202** Mechanics of Materials
  - **ENGR 3260** Mechanics of Materials
- **ENGR 203** Dynamics
  - **ENGR 3130** Dynamics
- **ENG 116** Technical Writing
  - **ENL 3030** Technical Writing

**Additional courses for Electrical Engineering:**

- **CAD 103** Engineering Graphics
  - **ENGR 1022** Engr Graphics & Computer Aided Design
- **CIS 211** Introduction to C++
  - **CSSE 1712** Introduction to Programming I
- **CIS 221** Advanced C++
  - **CSSE 1722** Introduction to Programming II
- **ENGR 100** Intro to Engineering & Technology
  - **ENGR 1080** Fundamentals of Engineering Design
- **ENG 116** Technical Writing
  - **ENL 3030** Technical Writing

**Additional courses for Mechanical Engineering:**

- **CAD 103** Engineering Graphics
  - **ENGR 1022** Engr Graphics & Computer Aided Design
- **CIS 211** Introduction to C++
  - **CSSE 1712** Introduction to Programming I
- **CIS 221** Advanced C++
  - **CSSE 1722** Introduction to Programming II
- **ENGR 100** Intro to Engineering & Technology
  - **ENGR 1080** Fundamentals of Engineering Design
- **ENGR 201** Statics
  - **ENGR 3120** Statics
- **ENGR 202** Mechanics of Materials
  - **ENGR 3260** Mechanics of Materials
- **ENGR 203** Dynamics
  - **ENGR 3130** Dynamics
- **ENG 116** Technical Writing
  - **ENL 3030** Technical Writing

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

- **CAD 103** Engineering Graphics
  - **ENGR 1022** Engr Graphics & Computer Aided Design
- **CIS 211** Introduction to C++
  - **CSSE 1712** Introduction to Programming I
- **CIS 221** Advanced C++
  - **CSSE 1722** Introduction to Programming II
- **ENGR 100** Intro to Engineering & Technology
  - **ENGR 1080** Fundamentals of Engineering Design
- **ENGR 201** Statics
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- **ENGR 202** Mechanics of Materials
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