



# LANSING COMMUNITY COLLEGE TRANSFER GUIDE

## COLLEGE OF ENGINEERING AND SCIENCE

### ENGINEERING PROGRAMS – NEW CORE

This guide includes the New Core Curriculum effective Fall 2017. Transfer students starting at Detroit Mercy between Fall 2017 and Summer 2021 will have the option to select this New Core or the Old Core. See Transfer Guides indicating “OLD CORE” for prior Core requirements. Course grades must be a C or better. Additional courses not on this guide may also transfer. Detroit Mercy Admissions: admissions@udmercy.edu or 313-993-1245. Website: udmercy.edu

The following courses will transfer into Detroit Mercy’s Engineering programs (Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems). Students may transfer a maximum of 63 credits toward a Bachelor’s Degree; course grades must be a C or better. If admitted under the LCC-University of Detroit Mercy Articulation Agreement, students may transfer up to 65 credits; depending on the program. Additional courses not on this guide may also transfer.

| Lansing Community College Courses | Detroit Mercy Equivalencies |
|-----------------------------------|-----------------------------|
|-----------------------------------|-----------------------------|

#### Core Knowledge Area A: Communication Skills

|  |                                 |    |
|--|---------------------------------|----|
| COMM 130 Fundamentals of Public Speaking | CST 1010 Fundamentals of Speech | A1 |
| ENGL 122 Composition II                  | ENL 1310 Academic Writing       | A2 |

#### Core Knowledge Area B: Mathematics/Statistical Knowledge

|                                  |  |    |
|----------------------------------|--|----|
| Satisfied by program requirement | Choose 1 Quant/Symbolic Reasoning course | B1 |
| Satisfied by program requirement | Statistical/Prob Reasoning course        | B2 |

#### Core Knowledge Area C: Scientific Knowledge

|                                  |                                   |    |
|----------------------------------|-----------------------------------|----|
| Satisfied by program requirement | Choose 1 Physical Sciences course | C1 |
| Satisfied by program requirement | Choose 1 Social Sciences course   | C2 |

#### Core Knowledge Area D: Religious and Philosophical Knowledge

|  |                                     |    |
|--|-------------------------------------|----|
| PHIL 101 OR 153  | PHL 1000 Introduction to Philosophy | D1 |
| RELG 150, 211, 212, 241, 242, 250                          | Choose 1 Religious Knowledge course | D2 |
| PHIL 151, 211, 212, 260; RELG 150, 211, 212, 241, 242, 250 | Choose 1 PHL/RELS Elective course   | D3 |

#### Core Knowledge Area E: Essential Humanities

|  |  |    |
|--|--|----|
| HIST 150, 211, 212, 214, 230, 235, 240, 250, 271; HUMS 214   | Choose 1 Historical Experiences course | E1 |
| ENGL 201, 256, 260   | Choose 1 Literary Experiences course   | E2 |
| ARCH 141, 142; ARTS 102, 179; ENGL 240; HUMS 120, 140, 211, 212, 216; MUSC 240, 241, 247; THEA 110, 120, 210<br><i>Architectural Engineering: satisfied by program requirement</i> | Choose 1 Aesthetic Experiences course  | E3 |

#### Core Knowledge Area F: Ethics and Social Responsibility

|                                  |               |    |
|----------------------------------|---------------|----|
| Satisfied by program requirement | Ethics course | F1 |
|----------------------------------|---------------|----|

#### Core Integrating Themes

|  |  |
|--|--|
| Most of these may be fulfilled by program requirements or other Knowledge Area courses. See a Detroit Mercy advisor for a defined list of approved courses and more information. | Integrating Themes<br>IT1, IT2, IT3, IT4, IT5, IT6 |
|--|--|

**MTA Students only:** Transfer students who satisfy the **Michigan Transfer Agreement (MTA)** will have the Core Curriculum Knowledge Area requirements met. Fulfilling the Core Integrating Themes is still necessary. Students should select courses that meet both the MTA and program specific requirements.

### Additional Core Integrating Themes

|   |  |
|---|--|
| In some cases, these may be fulfilled by program requirements or other Knowledge Area courses. See a Detroit Mercy advisor for a defined list of approved courses and more information. | Additional Integrating Themes<br>IT1, IT2, IT4, IT5, IT6 |
|---|--|

**These courses fulfill requirements for Detroit Mercy's Engineering Programs:**

| Lansing Community College Courses  | Detroit Mercy Equivalencies                               |
|--|---|
| <b>All Engineering Disciplines</b>   |   |
| CHEM 151 <b>AND</b> 161 General Chemistry Lecture & Lab I                              | CHM 1070/1100 General Chemistry I/Lab                     |
| MATH 151 <b>or</b> 161 Calculus I  | MTH 1410 Analytic Geometry & Calculus I                   |
| MATH 152 <b>or</b> 162 Calculus II   | MTH 1420 Analytic Geometry & Calculus II                  |
| MATH 253 Calculus III  | MTH 2410 Analytic Geometry & Calculus III                 |
| MATH 254 Intro to Differential Equations   | MTH 3720 Differential Equations w/Linear Algebra          |
| PHYS 251 Physics I with Calculus   | PHY 1600/1610 General Physics I/Lab                       |
| PHYS 252 Physics II with Calculus  | PHY 1620/1630 General Physics II/Lab                      |
| <b>Additional Courses for Architectural Engineering</b>                                |   |
| ARCH 105 Architectural Appreciation  | ARCH 1190 Intro Arch I <b>AND</b> ARCH 1290 Intro Arch II |
| ARCH 113 Materials & Methods of Construction   | ARCH 2150 Construction I                                  |
| ARCH 125 Environmental Systems   | ARCH 2340 Environmental Technology I                      |
| *ARCH 126 <b>AND</b> *ARTS 102   | ARCH 1100 Architectural Design I                          |
| ARCH 141 History of Architecture I   | ARCH 2120 Architectural History & Theory I                |
| ARCH 142 History of Architecture II  | ARCH 2220 Architectural History & Theory II               |
| *ARTS 131 Drawing I  | ARCH 1110 Visual Communications I                         |
| * Only transferable for Detroit Mercy course listed if approved with portfolio review. |   |
| <b>Additional courses for Civil Engineering</b>  |   |
| BIOL 120, 127, 128 (or another approved Biology course)                                | Choose 1 approved Biology course                          |
| CIVL 124 Route Survey  | CIVE 3400/3410 Civil Engr:Survey, CAD, GIS/Lab            |
| <b>Additional courses for Electrical Engineering</b>                                   |   |
| CPSC 230 Algorithms & Computing with C++   | CSSE 1710 Intro to Programming I                          |
| ENGL 124 Technical Writing   | ENL 3030 Technical Writing                                |
| <b>Additional courses for Mechanical Engineering</b>                                   |   |
| CPSC 230 Algorithms & Computing with C++   | CSSE 1710 Intro to Programming I                          |
| <b>Additional courses for Robotics &amp; Mechatronic Systems Engineering</b>           |   |
| CPSC 230 Algorithms & Computing with C++   | CSSE 1710 Intro to Programming I                          |
| ENGL 124 Technical Writing   | ENL 3030 Technical Writing                                |

#### Entrance Requirements:

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

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