



# Monroe County 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.

The following courses will transfer into Detroit Mercy’s Engineering programs (Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems). Students may transfer up to 63 credits towards a Bachelor’s Degree. If admitted under the Monroe CCC-University of Detroit Mercy Articulation Agreement, students may transfer additional MCCC courses that apply toward their Detroit Mercy engineering degree (currently up to 64 Detroit Mercy credits – varies by program). 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

#### Courses which fulfill Detroit Mercy Core Curriculum Knowledge Area Requirements

Monroe County Community College Courses	Detroit Mercy Equivalencies	Core
<b>SPCH</b> 152 Public Speaking	CST 1010 Fundamentals of Speech	A1
<b>ENGL</b> 152 English Composition II	ENL 1310 Academic Writing	A2
Satisfied by program requirement	Quantitative and Symbolic Reasoning course	B1
Satisfied by program requirement	Statistical and Probabilistic Reasoning course	B2
Satisfied by program requirement	Physical Sciences course	C1
Satisfied by program requirement	Social Sciences course	C2
<b>PHIL</b> 152 Intro to Western Philosophy	PHL 1000 Introduction to Philosophy	D1
<b>PHIL</b> 253 Intro to the Philosophy of Religion	Religious Knowledge course	D2
<b>PHIL</b> 151 OR 253	Choose 1 PHL/RELS Elective course	D3
<b>HIST</b> 151, 152, 154, 155, 158, 159, 173	Choose 1 Historical Experiences course	E1
<b>ENGL</b> 240, 251, 252, 253, 260	Choose 1 Literary Experiences course	E2
<b>ART</b> 155, 280, 281, 282; <b>DANCE</b> 251; <b>HUMAN</b> 151, 250, 256, 257; <b>MUSIC</b> 265, 266, 268; <b>THEA</b> 151, 251 Architectural Engineering: satisfied by program requirement	Choose 1 Aesthetic Experiences course	E3
Satisfied by program requirement	Ethics course	F1

#### Courses which fulfill Detroit Mercy Core Curriculum Integrating Theme Requirements

Monroe County Community College Courses	Detroit Mercy Equivalencies
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 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.

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

Monroe County Community College Courses			Detroit Mercy Equivalencies		
CHEM	151	General College Chemistry I	CHM	1070/1100	General Chemistry I/Lab
MATH	171	Calculus I	MTH	1410	Analytic Geometry & Calculus I
MATH	172	Calculus II	MTH	1420	Analytic Geometry & Calculus II
MATH	271	Calculus III	MTH	2410	Analytic Geometry & Calculus III
MATH	273	Intro to Differential Equations	MTH	3720	Differential Equations w/Linear Algebra
PHY	251	Engineering Physics I	PHY	1600/1610	General Physics I/Lab
PHY	252	Engineering Physics II	PHY	1620/1630	General Physics II/Lab

**Additional courses for Civil Engineering**

Monroe County Community College Courses			Detroit Mercy Equivalencies		
BIOL	151, 153, 156	(or another approved Biology course)	Choose 1 approved Biology Elective		
CONM	107	Surveying	CIVE	3400/3410	Civil Engr: Surv, CAD, GIS/Lab

**Additional courses for Electrical Engineering**

Monroe County Community College Courses			Detroit Mercy Equivalencies		
CIS	250	Computer Science II	CSSE	1712	Introduction to Programming I
ENGL	155	Technical Writing	ENL	3030	Technical Writing

**Additional courses for Mechanical Engineering**

Monroe County Community College Courses			Detroit Mercy Equivalencies		
CIS	250	Computer Science II	CSSE	1712	Introduction to Programming I

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

Monroe County Community College Courses			Detroit Mercy Equivalencies		
CIS	250	Computer Science II	CSSE	1712	Introduction to Programming I
ENGL	155	Technical Writing	ENL	3030	Technical Writing

**Entrance Requirements:**

- Minimum 2.5 GPA based on 24 or more credits earned at Monroe CC (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.

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