



# WAYNE COUNTY CC DISTRICT 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 to Detroit Mercy’s Engineering programs (Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems). Students may transfer a maximum of 63 credits toward a degree; course grades must be 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

Wayne County CC District Courses	Detroit Mercy Equivalencies
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#### Core Knowledge Area A: Communication Skills

SPH 101 Fundamentals of Speech	CST 1010 Fundamentals of Speech	A1
ENG 120 English II	ENL 1310 Academic Writing	A2

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

Satisfied by program requirement	Quantitative and Symbolic Reasoning course	B1
Satisfied by program requirement	Statistical and Probabilistic Reasoning course	B2

#### Core Knowledge Area C: Scientific Knowledge

Satisfied by program requirement	Physical Sciences course	C1
Satisfied by program requirement	Social Sciences course	C2

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

PHL 201 Introduction to Philosophy	PHL 1000 Introduction to Philosophy	D1
MWS 101, 103, 112, 114; PHL 101, 102	Choose 1 Religious Knowledge course	D2
MWS 101, 103, 112, 114; PHL 101, 102, 211	Choose 1 PHL/RELS Elective course	D3

#### Core Knowledge Area E: Essential Humanities

HIS 151, 152, 230, 249, 250, 261, 262	Choose 1 Historical Experiences course	E1
AAS 253; ENG 231, 232, 233, 260, 261, 266	Choose 1 Literary Experiences course	E2
AAS 175; ENG 280; HUM 101-103, 126, 141, 211, 212, 221, 222, 231, 232; MUS 100, 121	Choose 1 Aesthetic Experiences course	E3
Architectural Engineering: satisfied by program requirement		

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

ALH 230; PHL 221	Choose 1 Ethics course	F1
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#### 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 IT1, IT2, IT3, IT4, IT5, IT6
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**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:

Wayne County CC District Courses			Detroit Mercy Equivalencies		
<b>All Engineering Disciplines</b>					
CHM	136	General Chemistry I	CHM	1070/1100	General Chemistry I/Lab
MAT	171	Analytic Geometry and Calculus I	MTH	1410	Analytic Geometry & Calculus I
MAT	172	Analytic Geometry and Calculus II	MTH	1420	Analytic Geometry & Calculus II
MAT	271	Analytic Geometry and Calculus III	MTH	2410	Analytic Geometry & Calculus III
MAT	273	Differential Equations	MTH	3720	Differential Equations w/Linear Algebra
PHY	265	Physics for Scientists & Engineers I	PHY	1600/1610	General Physics I/Lab
PHY	275	Physics for Scientists & Engineers II	PHY	1620/1630	General Physics II/Lab
<b>Additional Courses for Architectural Engineering</b>					
* ART	101	Drawing I	ARCH	1110	Visual Communication I
* ART	111	Design I <b>AND</b> * ART 112 Design II	ARCH	1100	Architectural Design I
* Only transferable for Detroit Mercy course listed if approved with portfolio review.					
<b>Additional courses for Civil Engineering</b>					
BIO 125, 151, 155, 175 (or another approved biology course)			Choose 1 approved Biology course		
<b>Additional courses for Electrical Engineering</b>					
CIS	209	C Programming Language	CSSE	1712	Intro to Programming I
CIS	259	C++ Obj-Oriented Programming Lang	CSSE	1722	Intro to Programming II
ENG	270	Prof & Technical Report Writing	ENL	3030	Technical Writing
<b>Additional courses for Mechanical Engineering</b>					
CIS	209	C Programming Language	CSSE	1712	Intro to Programming I
<b>Additional courses for Robotics &amp; Mechatronic Systems Engineering</b>					
CIS	209	C Programming Language	CSSE	1712	Intro to Programming I
CIS	259	C++ Obj-Oriented Programming Lang	CSSE	1722	Intro to Programming II
ENG	270	Prof & Technical Report Writing	ENL	3030	Technical Writing

**Entrance Requirements:**

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