



ST. CLAIR 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 have the option to select this New Core or the Old Core. See Transfer Guides indicating “OLD CORE” for prior Core requirements. Detroit Mercy Admissions: admissions@udmercy.edu or 313-993-1245. Website: udmercy.edu

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. However, due to an Articulation Agreement, students may transfer additional SC4 courses that apply toward a UDM engineering degree (currently up to 70 UDM credits). Course grades must be a C or better. Additional courses not on this guide may also transfer.

St. Clair County Community College Courses	Detroit Mercy Equivalencies
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Core Knowledge Area A: Communication Skills

SPC 101 Speech Communication	CST 1010 Fundamentals of Speech	A1
ENG 102 or 104	ENL 1310 Academic Writing	A2

Core Knowledge Area B: Mathematics/Statistical Knowledge

Satisfied by program requirement	Quantitative & Symbolic Reasoning course	B1
Satisfied by program requirement	Statistical & 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 210 Introduction to Philosophy	PHL 1000 Intro to Philosophy	D1
PHL 220 Philosophy of Religion	Religious Knowledge course	D2
PHL 213, 215	Choose 1 PHL/RELS Elective course	D3

Core Knowledge Area E: Essential Humanities

HIS 101, 102, 149, 150, 190, 233, 280	Choose 1 Historical Experiences course	E1
ENG 205-208, 220, 221, 225, 243, 245	Choose 1 Literary Experiences course	E2
ART 120, 221, 222; ENG 255; MUS 106; THA 101, 106 Architectural Engineering: satisfied by program requirement	Choose 1 Aesthetic Experiences course	E3
PS 101 – due to the Articulation Agreement, may be used as Core E only by students who have completed an Associate in Science degree.		

Core Knowledge Area F: Ethics and Social Responsibility

Satisfied by program requirement	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:

St. Clair County Community College Courses			Detroit Mercy Equivalencies		
All Engineering Disciplines					
CHM	111	Chem Theory & Princ w/ Analysis	CHM	1070/1100	General Chemistry I/Lab
MTH	114	Calculus I	MTH	1410	Analytic Geometry & Calculus I
MTH	215	Calculus II	MTH	1420	Analytic Geometry & Calculus II
MTH	216	Calculus III	MTH	2410	Analytic Geometry & Calculus III
MTH	217	Differential Equations	MTH	3720	Differential Equations w/Linear Algebra
PHY	221	Mechanics, Heat & Sound	PHY	1600/1610	General Physics I/Lab
PHY	222	Electricity, Light & Modern Physics	PHY	1620/1630	General Physics II/Lab
Additional Courses for Architectural Engineering					
ETG	180	Engineering Graphics AND	ENGR	1050	Engr Graphics & Design AND
PHY	115	Introduction to Engineering	ENGR	1000	Ethics & Politics of Engineering
PHY	231	Statics	ENGR	3120	Statics
PHY	232	Introduction to Electric Circuits	ENGR	3200/3210	Principles of Electrical Engineering
Additional courses may transfer after portfolio review by Architecture faculty.					
Additional courses for Civil Engineering					
BIO 120, 250, 270 (or another approved biology course)			Choose 1 approved Biology course		
ETG	180	Engineering Graphics AND	ENGR	1050	Engr Graphics & Design AND
PHY	115	Introduction to Engineering	ENGR	1000	Ethics & Politics of Engineering
PHY	231	Statics	ENGR	3120	Statics
Additional courses for Electrical Engineering					
PHY	115	Intro to Engineering (recommended)	ENGR	1000	Ethics & Politics of Engineering
PHY	232	Introduction to Electric Circuits	ELEE	2500/2510	Fund of Electrical & Comp Engr I
Additional courses for Mechanical Engineering					
CIS	260	Computer Programming I	Satisfies computer programming requirement		
PHY	115	Intro to Engineering (recommended)	ENGR	1000	Ethics & Politics of Engineering
PHY	231	Statics	ENGR	3120	Statics
PHY	232	Introduction to Electric Circuits	ENGR	3200/3210	Principles of Electrical Engineering
Additional courses for Robotics & Mechatronic Systems Engineering					
PHY	115	Intro to Engineering (recommended)	ENGR	1000	Ethics & Politics of Engineering
PHY	231	Statics	ENGR	3120	Statics
PHY	232	Introduction to Electric Circuits	ELEE	2500/2510	Fund of Electrical & Comp Engr I

Entrance Requirements:

- Minimum 2.5 GPA based on 24 or more credits earned at SC4 (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 udmercy.edu/admission/apply; the application is free.

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