



SCHOOLCRAFT 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 a maximum of 63 credits toward a Bachelor’s Degree; course grades must be a 2.0 or better. If admitted under the Schoolcraft-University of Detroit Mercy Articulation Agreement, students may transfer an additional 14 credits, for a total of 77 transferrable credits (varies by program). Additional courses not on this guide may also transfer. Detroit Mercy Admissions: admissions@udmercy.edu or 313-993-1245. Website: udmercy.edu

Schoolcraft College Courses	Detroit Mercy Equivalencies
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Core Knowledge Area A: Communication Skills

COMA 103 Fundamentals of Speech	CST 1010 Fundamentals of Speech	A1
ENG 102 or 221	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

PHIL 243 An Introduction to Philosophy	PHL 1000 Introduction to Philosophy	D1
ANTH 211 Myth, Magic, World Religions	Religious Knowledge course	D2
PHIL 247, 277	Choose 1 PHL/RELS Elective course	D3

Core Knowledge Area E: Essential Humanities

HIST 134, 137, 138, 151, 152, 153	Choose 1 Historical Experiences course	E1
ENG 243, 244, 245, 246, 248, 251, 252, 275	Choose 1 Literary Experiences course	E2
ART 113, 115, 116, 201, 216, 228, 246; CGT 161, 244; ENG 200; HUM 150, 151, 152, 201, 202, 203, 204, 210, 215; 105, 149, 155, 164, 165; THEA 101, 210, 231, 232 Architectural Engineering: satisfied by program requirement	Choose 1 Aesthetic Experiences course	E3

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:

Schoolcraft College Courses			Detroit Mercy Equivalencies		
All Engineering Disciplines					
CHEM	111	General Chemistry 1	CHM	1070/1100	General Chemistry I/Lab
MATH	150	Calculus with Analytic Geometry 1	MTH	1410	Analytic Geometry & Calculus I
MATH	151	Calculus with Analytic Geometry 2	MTH	1420	Analytic Geometry & Calculus II
MATH	240	Calculus with Analytic Geometry 3	MTH	2410	Analytic Geometry & Calculus III
MATH	252	Differential Equations	MTH	3720	Differential Equations w/Linear Algebra
PHYS	211	Physics for Scientists & Engineers 1	PHY	1600/1610	General Physics I/Lab
PHYS	212	Physics for Scientists & Engineers 2	PHY	1620/1630	General Physics II/Lab
Additional Courses for Architectural Engineering					
CAD	103	Engr Graphics and ENGR 100 Intro Engr	ENGR	1050	Engineering Graphics & Design
ENGR	201	Statics	ENGR	3120	Statics
ENGR	202	Mechanics of Materials	ENGR	3260	Mechanics of Materials
ENGR	203	Dynamics	ENGR	3130	Dynamics
* Only transferable for Detroit Mercy course listed if approved with portfolio review.					
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
ENGR	201	Statics	ENGR	3120	Statics
ENGR	202	Mechanics of Materials	ENGR	3260	Mechanics of Materials
ENGR	203	Dynamics	ENGR	3130	Dynamics
Additional courses for Electrical Engineering					
CAD	103	Engineering Graphics	ENGR 1020 and ENGR 1021 Bsc/Intm Engr Grphcs &CAD		
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 1020 and ENGR 1021 Bsc/Intm Engr Grphcs &CAD		
CIS	211	Introduction to C++	CSSE	1712	Introduction to Programming I
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
Additional courses for Robotics & Mechatronic Systems Engineering					
CAD	103	Engineering Graphics	ENGR 1020 and ENGR 1021 Bsc/Intm Engr Grphcs &CAD		
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

Entrance Requirements:

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