



ALPENA 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 to Detroit Mercy’s Engineering programs (Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems). Students may transfer up to 63 credits. If admitted under the Alpena CC-Detroit Mercy Engineering Articulation Agreement, students may transfer up to 72 credits – varies by program.

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

SPE 121 Speech Communication	CST 1010 Fundamentals of Speech	A1
ENG 112 or 122	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 225 Philosophy	PHL 1000 Intro to Philosophy	D1
ANP 239; HUM 110, 114	Choose 1 Religious Knowledge course	D2
ANP 239; HUM 110, 114; PHL 125	Choose 1 PHL/RELS Elective course	D3

Core Knowledge Area E: Essential Humanities

HST 121, 122, 221, 222	Choose 1 Historical Experiences course	E1
ENG 203, 204, 221, 222, 243, 244	Choose 1 Literary Experiences course	E2
HUM 210, 241, 242; MUS 110; PFA 108 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 (listed above). 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:

Alpena Community College Courses			Detroit Mercy Equivalencies		
All Engineering Disciplines					
CEM	121	General and Inorganic Chemistry	CHM	1070/1100	General Chemistry I/Lab
MTH	131	Analytic Geometry and Calculus I	MTH	1410	Analytic Geometry & Calculus I
MTH	132	Analytic Geometry and Calculus II	MTH	1420	Analytic Geometry & Calculus II
MTH	231	Analytic Geometry and Calculus III	MTH	2410	Analytic Geometry & Calculus III
MTH	232	Differential Equations	MTH	3720	Differential Equations w/Linear Algebra
PHY	221	Physics	PHY	1600/1610	General Physics I/Lab
PHY	222	Physics	PHY	1620/1630	General Physics II/Lab
EGR	122	Intro to Engineering (<i>recommended but optional</i>)			
Additional Courses for Architectural Engineering					
*ART 123 Design I AND *ART 124 Design II			ARCH	1100	Architectural Design I (and ARCH 2190 Int Arch III)
*ART 127 Drawing I AND *ART 128 Drawing II			ARCH	1110	Visual Communication I
EGR	221	Statics	ENGR	3120	Statics
* Only transferable for Detroit Mercy course listed if approved with portfolio review.					
Additional courses for Civil Engineering					
BIO 161, 162 (<i>or another approved biology course</i>)			Choose 1 approved Biology course		
EGR	221	Statics	ENGR	3120	Statics
Additional courses for Electrical Engineering					
EGR	130	Team Design Project	ENGR	1080	Fundamentals of Engineering Design
ENG	123	Technical Communication	ENL	3030	Technical Writing
MTH	221	C++ Programming	CSSE	1712	Introduction to Programming I
Additional courses for Mechanical Engineering					
EGR	130	Team Design Project	ENGR	1080	Fundamentals of Engineering Design
EGR	221	Statics	ENGR	3120	Statics
MTH	221	C++ Programming	CSSE	1712	Introduction to Programming I
Additional courses for Robotics & Mechatronic Systems Engineering					
EGR	130	Team Design Project	ENGR	1080	Fundamentals of Engineering Design
EGR	221	Statics	ENGR	3120	Statics
ENG	123	Technical Communication	ENL	3030	Technical Writing
MTH	221	C++ Programming	CSSE	1712	Introduction to Programming I

Entrance Requirements:

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