

DELTA 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. 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 into Detroit Mercy’s Engineering programs (Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems). Students may transfer up to 63 credits. If admitted under the Delta-Detroit Mercy Engineering Articulation Agreement, students may transfer up to 84 credits – varies by program.

Courses which fulfill Detroit Mercy Core Curriculum Knowledge Area Requirements

Delta College Courses			Detroit Mercy Equivalencies			Core Areas
COM	112W	Fundamentals of Oral Communication	CST	1010	Fundamentals of Speech	A1
ENG	112	College Composition II	ENL	1310	Academic Writing	A2
Satisfied by program requirement			Quant/Symbolic Reasoning course			B1
Satisfied by program requirement			Statistical/Prob Reasoning course			B2
Satisfied by program requirement			Physical Sciences course			C1
Satisfied by program requirement			Social Sciences course			C2
PHL	211W	Introduction to Philosophy	PHL	1000	Intro to Philosophy	D1
ENG 245W, 246W; IHU 234W, 245W; PHL 214W; SSI 234W			Choose 1 Religious Knowledge course			D2
ENG 245W, 246W; IHU 234W, 245W; PHL 203W, 205W, 214W, 221, 225W, 240W, 255W; SSI 234W			Choose 1 PHL/RELS Elective course			D3
HIS 111W, 112W, 215W, 221W, 222W, 240W			Choose 1 Historical Experiences course			E1
ENG 219W, 220W, 221W, 222W, 223W, 224W, 228W, 229W, 233, 242W, 277W, 278W			Choose 1 Literary Experiences course			E2
ART 105, 151W, 152W, 251W, 255W, 256W; COM 215W, 222; ENG 226W, 227W; IHU 101, 226W; MUS 111, 112, 118, 119W, 120W; PHL 255W; SSI 229W <i>Architectural Engineering: satisfied by program requirement</i>			Choose 1 Aesthetic Experiences course			E3
PHL 203W, 213W, 215W <i>Recommended to take EGR 100 and PHL 207W</i>			Choose 1 Ethics course			F1

Core Integrating Themes

Delta 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 (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:

All Engineering Disciplines

Delta College Courses			Detroit Mercy Equivalencies		
CHM	111	General and Inorganic Chemistry I	CHM	1070/1100	General Chemistry I/Lab
EGR	101	Engr Dsgn/Anlys AND (EGR 165 or EGR 166)	ENGR	1022 OR ENGR 1050	
MTH	161	Analytic Geometry and Calculus I	MTH	1410	Analytic Geometry & Calculus I
MTH	162	Analytic Geometry and Calculus II	MTH	1420	Analytic Geometry & Calculus II
MTH	261	Analytic Geometry and Calculus III	MTH	2410	Analytic Geometry & Calculus III
MTH	264	Intro to Ordinary Differential Equations	MTH	3720	Differential Equations w/Linear Algebra
PHY	211	Physics I	PHY	1600/1610	General Physics I/Lab
PHY	212	Physics II	PHY	1620/1630	General Physics II/Lab

Additional Courses for Architectural Engineering

Delta College Courses			Detroit Mercy Equivalencies		
ARC	101	Matsl/Meth Constr AND ARC 211 Struct Dsgn	ARCH	2130	Principles of Structural Behavior
ARC	111	Mechanical/Electrical Systems for Buildings	ARCH	2340	Environmental Technology I
ARC	214	Architectural AutoCAD 3D Basics	ARCH	1160	Intro to Computer Graphics
ARC	221	Site Preparation	ARCH	2190	Introduction to Architecture III
*ART	111	Drawing I	ARCH	1110	Visual Communication I
ART	251W	Architectural History	ARCH	2120	Architectural History & Theory I
AST 111; BIO 101W, 110W, 111W, 130W, 140W, 152W, 153W, 171, 172W, 221, 240, 241; CHM 101W, 105W, 106W, 107, 111, 112, 221; GEO 111W; GLG 111-130; MTH 263; PHY 101, 111, 112, 211, 212; PSC 101, 102, 103W			Choose 1 approved Science or Math course		
EGR	215	Engineering Mechanics: Statics	ENGR	3120	Statics
EGR	216	Engineering Mechanics: Dynamics	ENGR	3130	Dynamics
EGR	235	Circuit Analysis	Fulfills req't of ENGR 3200/3210 Princ of Electrical Engr/Lab		
EGR	320	Mechanics of Materials	ENGR	3260	Mechanics of Materials
MT 221W or EGR 221	Engineering Materials		ENGR	3170	Science of Materials
* Only transferable for Detroit Mercy course listed if approved with portfolio review.					

Additional courses for Civil Engineering

Delta College Courses			Detroit Mercy Equivalencies		
BIO 101W, 110W, 111W, 130W, 140W, 152W, 153W, 171, 172W, 221, 240, 241			Choose 1 approved Biology course		
EGR	215	Engineering Mechanics: Statics	ENGR	3120	Statics
EGR	216	Engineering Mechanics: Dynamics	ENGR	3130	Dynamics
EGR	320	Mechanics of Materials	ENGR	3260	Mechanics of Materials
MT	221W or EGR 221	Engineering Materials	ENGR	3170	Science of Materials

Additional courses for Electrical Engineering

Delta College Courses			Detroit Mercy Equivalencies		
CST	180	C++ Programming	CSSE	1712	Introduction to Programming I
EGR	235	Circuit Analysis	ENGR	2500/2510	Fund Elect & Comp Engr I/Lab
ENG	113	Technical Communication	ENL	3030	Technical Writing

Additional courses for Mechanical Engineering

Delta College Courses			Detroit Mercy Equivalencies		
CST	180	C++ Programming	CSSE	1712	Introduction to Programming I
EGR	215	Engineering Mechanics: Statics	ENGR	3120	Statics
EGR	216	Engineering Mechanics: Dynamics	ENGR	3130	Dynamics
EGR	235	Circuit Analysis	Fulfills req't of ENGR 3200/3210 Prin of Elect Engr/Lab		
EGR	320	Mechanics of Materials	ENGR	3260	Mechanics of Materials
ENG	113	Technical Communication	ENL	3030	Technical Writing
MT	221W or EGR 221	Engineering Materials	ENGR	3170	Science of Materials

Additional courses for Robotics & Mechatronic Systems Engineering

Delta College Courses			Detroit Mercy Equivalencies		
CST	180	C++ Programming	CSSE	1712	Introduction to Programming I
EGR	215	Engineering Mechanics: Statics	ENGR	3120	Statics
EGR	216	Engineering Mechanics: Dynamics	ENGR	3130	Dynamics
EGR	235	Circuit Analysis	ENGR	2500/2510	Fund Elect & Comp Engr I/Lab
EGR	320	Mechanics of Materials	ENGR	3260	Mechanics of Materials
ENG	113	Technical Communication	ENL	3030	Technical Writing