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.

Delta College Courses	Detroit Mercy Equivalencies	
Core Knowledge Area A: Communication Skills		
COM 112W Fundamentals of Oral Communication	CST 1010 Fundamentals of Speech	A1
ENG 112 College Composition II	ENL 1310 Academic Writing	A2
Core Knowledge Area B: Mathematics/Statistical Knowledge		
Satisfied by program requirement	Quant/Symbolic Reasoning course	B1
Satisfied by program requirement	Statistical/Prob 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 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
Core Knowledge Area E: Essential Humanities		
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 *Architectural Engineering: satisfied by program requirement*	Choose 1 Aesthetic Experiences course	E3
Core Knowledge Area F: Ethics and Social Responsibility		
PHL 203W, 213W, 215W *Recommended to take **EGR** 100 **and PHL** 207W*	Choose 1 Ethics course	F1
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	

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:

Delta College Courses			Detroit Mercy Equivalencies		
All Engineering Disciplines					
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					
ARC	101	Matls/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					
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					
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					
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					
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