



MADONNA UNIVERSITY 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 into Detroit Mercy’s Engineering programs (Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems). Students may transfer a maximum of 96 credits. As members of the Detroit Area Catholic Higher Education Consortium, eligible Madonna University students may take up to 12 credits at Detroit Mercy while paying their home institution’s tuition rates. Consult with the Registrar’s Office at Madonna for more details.

Madonna University Courses	Detroit Mercy Equivalencies
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Core Knowledge Area A: Communication Skills

COM 2350 Public Speaking: Theory & Practice	CST 1010 Fundamentals of Speech	A1
WRT 1020 or 3100	ENL 1310 Academic Writing	A2

Core Knowledge Area B: Mathematics/Statistical Knowledge

Satisfied by program requirement	Quantitative and Symbolic Reasoning course	B1
Satisfied by program requirement	Statistical and Probabilistic Reasoning course	B2

Core Knowledge Area C: Scientific Knowledge

Satisfied by program requirement	Physical Science course	C1
Satisfied by program requirement	Social Science course	C2

Core Knowledge Area D: Religious and Philosophical Knowledge

PHL 1010 Introduction to Philosophy	PHL 1000 Intro to Philosophy	D1
RST 1330, 1450, 1460, 2150, 2240, 2560-2590, 2990, 3100, 3150, 3220, 3310, 3400, 3490, 3530, 3610, 4080, 4090, 4140, 4150	Choose 1 Religious Knowledge course	D2
PHL 1050, 2850, 2990, 3150, 3310, 3650, 4080, 4090, 4150, 4230; RST 1330, 1450, 1460, 2150, 2240, 2560-2590, 2990, 3100, 3150, 3220, 3310, 3400, 3490, 3530, 3610, 4080, 4090, 4140, 4150	Choose 1 PHL/RELS Elective course	D3

Core Knowledge Area E: Essential Humanities

HIS 1010, 1090, 2320, 3810; HIS/PSC 4631, 4632, 4633, 4634	Choose 1 Historical Experiences course	E1
ENG 3500, 4230, 4450	Choose 1 Literary Experiences course	E2
AHIS 2020, 3100, 3240, 3270, 3290, 3350, 4160, 4260, 4750; COM 3410; ENG 3540; HUM 2020, 2040, 3030; MUS 1130, 2020, 3330, 3340 Architectural Engineering: satisfied by program requirement	Choose 1 Aesthetic Experiences course	E3

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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These courses fulfill requirements for Detroit Mercy's Engineering Programs:

Madonna University Courses			Detroit Mercy Equivalencies		
All Engineering Disciplines					
CHM	1110	General Chemistry I	CHM	1070/1100	General Chemistry I/Lab
MTH	2510	Calculus with Analytic Geometry I	MTH	1410	Analytic Geometry & Calculus I
MTH	2520	Calculus with Analytic Geometry II	MTH	1420	Analytic Geometry & Calculus II
MTH	3510	Calculus with Analytic Geometry III	MTH	2410	Analytic Geometry & Calculus III
MTH	4530	Differential Equations	MTH	3720	Differential Equations w/Linear Algebra
PHY	2630	Physics for Scientists & Engineers I	PHY	1600/1610	General Physics I/Lab
PHY	2640	Physics for Scientists & Engineers II	PHY	1620/1630	General Physics II/Lab
Additional Courses for Architectural Engineering					
BIO 1010, 1030, 1040; CHM 1120; MTH 3410 (or another approved science or math course)			Choose 1 approved Science or Math Course		
Additional courses for Civil Engineering					
BIO 1010, 1030, 1040 (or another approved biology course)			Choose 1 approved Biology Course		
Additional courses for Electrical Engineering					
CSC	2080	Computer Science I	CSSE	1712	Introduction to Programming I
CSC	2480	Computer Science II	CSSE	1722	Introduction to Programming II
WRT	2440	Technical Writing	ENL	3030	Technical Writing
Additional courses for Mechanical Engineering					
CSC	2080	Computer Science I	CSSE	1712	Introduction to Programming I
Additional courses for Robotics & Mechatronic Systems Engineering					
CSC	2080	Computer Science I	CSSE	1712	Introduction to Programming I
CSC	2480	Computer Science II	CSSE	1722	Introduction to Programming II
WRT	2440	Technical Writing	ENL	3030	Technical Writing

Entrance Requirements:

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

If you have any questions regarding Madonna University courses and how they transfer to Detroit Mercy, contact the Transfer Credit Team at 313-993-1940 or transferteam@udmercy.edu.