

HENRY FORD 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.

The following courses will transfer into Detroit Mercy’s Engineering programs [Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems]. Normally, students may transfer up to 63 credits. If admitted under the HFC-Detroit Mercy Engineering Articulation Agreement, students may transfer up to 76 credits depending upon which program. Detroit Mercy Admissions: admissions@udmercy.edu or 313-993-1245. Website: udmercy.edu

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

SPC	131	Fundamentals of Speaking	CST 1010	Fundamentals of Speech	A1
ENG	132	College Writing and Research	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	130	Intro to Philosophy	PHL 1000	Intro to Philosophy	D1
WR	130, 131, 232-236, 239, 240, 280		Choose 1	Religious Knowledge course	D2
PHIL	131, 133, 135, 137, 201;	WR 130, 131, 232-242, 280	Choose 1	PHL/RELS Elective course	D3

Core Knowledge Area E: Essential Humanities

HIST	111, 112, 113, 151, 152, 239, 243, 261, 283, 285, 286	Choose 1	Historical Experiences course	E1	
ENG	231, 232, 233, 235, 237, 239, 241, 248; HON 251	Choose 1	Literary Experiences course	E2	
ART	121, 122, 123, 130, 135, 221, 224-227, 2901, 2902; HUM 101;	Choose 1	Aesthetic Experiences course	E3	
INTR	280; MUS 130, 132, 133, 232, 233; TCM 132, 235; THEA 131, 132, 238	Architectural Engr-satisfied by program requirement			
BEC 133, 151, 152 – one of these courses may be used as Core E only for student completing an Associate in Science degree/Pre-Engineering and following the Articulation Agreement.					

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:

Henry Ford College Courses			Detroit Mercy Equivalencies		
All Engineering Disciplines					
CHEM	141	Princ of Gen & Inorganic Chemistry I	CHM	1070/1100	General Chemistry I/Lab
MATH	180	Calculus I	MTH	1410	Analytic Geometry & Calculus I
MATH	183	Calculus II	MTH	1420	Analytic Geometry & Calculus II
MATH	280	Calculus III	MTH	2410	Analytic Geometry & Calculus III
MATH	288	Differential Equations	MTH	3720	Differential Equations w/Linear Algebra
PHYS	231	Engineering Physics I	PHY	1600/1610	General Physics I/Lab
PHYS	232	Engineering Physics II	PHY	1620/1630	General Physics II/Lab
Additional Courses for Architectural Engineering					
*ART	102	Drawing I	ARCH	1110	Visual Communication I
ACT	101	Fundamentals of Architecture	ARCH	1190	Intro Arch I AND ARCH 1290 Intro Arch II
ACT	116	Basic Arch CAD AND ACT 136 Intermed Arch CAD	ARCH	2110	Visual Communication III
ACT	124	Construction Sys I AND ACT 211 Comm Const Sys	ARCH	2150	Construction I
DRAF	120	Intro CAD AND ENGR 130 Intro Engr	ENGR	1000	Ethics Engr AND ENGR 1050 Engr Grph/Dsgn
ENGR	201	Science of Materials	ENGR	3170	Science of Materials
ENGR	232	Statics	ENGR	3120	Statics
ENGR	233	Dynamics	ENGR	3130	Dynamics
ENGR	240	Circuits	ENGR	3200/3210	Principles of Electrical Engr/Lab
* Only transferable for Detroit Mercy course listed if approved with portfolio review.					
Additional courses for Civil Engineering					
BIO	131, 138, 150, 152	(or another approved biology course)	Choose 1 approved Biology course		
DRAF	120	Intro CAD AND ENGR 130 Intro Engr	ENGR	1000	Ethics Engr AND ENGR 1050 Engr Grph/Dsgn
ENGR	201	Science of Materials	ENGR	3170	Science of Materials
ENGR	232	Statics	ENGR	3120	Statics
ENGR	233	Dynamics	ENGR	3130	Dynamics
Additional courses for Electrical Engineering					
CIS	170 AND CIS 230	C Prog/C++ Programming	CSSE	1712 AND CSSE 1722	Intro Programming I & II
ENG	135	Bus & Tech Writing & Research	ENL	3030	Technical Writing
ENGR	130	Introduction to Engineering	ENGR	1080	Fundamentals of Engineering Design
ENGR	240	Circuits	ELEE	2500/2510	Fund Electrical & Computer Engr I/Lab
Additional courses for Mechanical Engineering					
CIS	170	C Programming	CSSE Elective – fulfills programming requirement		
ENGR	130	Introduction to Engineering	ENGR	1080	Fundamentals of Engineering Design
ENGR	201	Science of Materials	ENGR	3170	Science of Materials
ENGR	232	Statics	ENGR	3120	Statics
ENGR	233	Dynamics	ENGR	3130	Dynamics
ENGR	240	Circuits	ENGR	3200/3210	Principles of Electrical Engr/Lab
Additional courses for Robotics & Mechatronic Systems Engineering					
CIS	170 AND CIS 230	C Prog/C++ Programming	CSSE	1712 AND CSSE 1722	Intro Programming I & II
ENG	135	Bus & Tech Writing & Research	ENL	3030	Technical Writing
ENGR	130	Introduction to Engineering	ENGR	1080	Fundamentals of Engineering Design
ENGR	232	Statics	ENGR	3120	Statics
ENGR	233	Dynamics	ENGR	3130	Dynamics
ENGR	240	Circuits	ELEE	2500/2510	Fund Electrical & Computer Engr I/Lab

Entrance Requirements:

- Minimum 2.5 GPA based on 24 or more credits earned at HFC (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. Transfer Team: transferteam@udmercy.edu or 313-993-1940.