

HENRY FORD COLLEGE TRANSFER GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

ENGINEERING PROGRAMS

The following courses will transfer into Detroit Mercy’s Engineering programs (Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems). Typically, students may transfer up to 63 credits. However, due to an Articulation Agreement, students may transfer additional HFC courses that apply toward a Detroit Mercy engineering degree. Total credits accepted into these Detroit Mercy Engineering programs: Arch Engr 88, Civil Engr 71, Elect Engr 72, Mech Engr 75, RMSE 78. Course grades must be “C” (2.0) or better in order to transfer.

Contact the Transfer Team if you have any questions: transferteam@udmercy.edu or 313-993-1940.

Courses which fulfill Detroit Mercy Core Curriculum Knowledge Area Requirements

Henry Ford College Courses	Detroit Mercy Equivalencies	Core
SPC 131 Fundamentals of Speaking	CST 1010 Fundamentals of Speech	A1
ENG 132 College Writing and Research	ENL 1310 Academic Writing	A2
Satisfied by program requirement	Quantitative & Symbolic Reasoning course	B1
Satisfied by program requirement	Statistical & Probabilistic Reasoning course	B2
Satisfied by program requirement	Physical Sciences course	C1
Satisfied by program requirement	Social Sciences course	C2
PHIL 130 Intro to Philosophy	PHL 1000 Intro to Philosophy	D1
WR 130, 131, 232, 233, 235, 236, 240, 280	Choose 1 Religious Knowledge course	D2
PHIL 133, 135, 137, 201; WR 130, 131, 232, 233, 235, 236, 240, 241, 280	Choose 1 PHL/RELS Elective course	D3
HIST 111, 112, 113, 151, 152, 258, 261, 270, 285, 286	Choose 1 Historical Experiences course	E1
ENG 231, 232, 233, 235, 237, 241, *248	Choose 1 Literary Experiences course	E2
ART 121, 122, 123, 130, 135, 221, 224-228; HUM 101; MUS 130, 132, 133, 232, 233; TCM 132, 235; THEA 131, 132, 238 - Satisfied by program requirement for Architectural Engineering	Choose 1 Aesthetic Experiences course	E3
BEC 133, 151, 152	If needed, one of these courses may be used as Core E only for a student completing an Associate in Science degree/Pre-Engineering and following the Articulation Agreement.	E1 or E2 or E3
Satisfied by program requirement	Ethics course	F1

* Course within a Knowledge Area also fulfills an Integrating Theme (IT) requirement; see IT options below.

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 Theme requirements is still necessary. Students should select courses that meet both the MTA and program specific requirements.

Courses which fulfill Detroit Mercy Core Curriculum Integrating Theme Requirements

Henry Ford College Courses	Detroit Mercy Equivalencies	Core Areas
Satisfied by program requirements – all Engineering disciplines		IT1, IT2, IT3, IT5, & IT6
ENG *248; GEOG 132, 221; PSY 161, 251, 253 Satisfied by program requirements for Arch and Civil Engr	Choose 1 Human Difference course	IT4

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

All Engineering Disciplines

Henry Ford College Courses			Detroit Mercy Equivalencies		
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

Henry Ford College Courses			Detroit Mercy Equivalencies		
*ART	102	Drawing I	ARCH	1110	Visual Communication I
BLDA	100	Intro AutoCAD AND BLDA 130 Intro to Revit	ARCH	2110	Visual Communication III
BLDA	140	Construction Systems 1	ARCH	1880	Construction Principles AND
			ARCH	2680	Building Construction I
BLDA	150	Environmental Building Systems	ARCH	1860	Environmental Principles AND
			ARCH	2660	Building Environment I
BLDA	230	Residential Studio	Fulfills requirement for ARCH 1100 in this program only		
BLDA	240	Construction Systems 2	ARCH	2880	Building Construction II
BLDA	270	Commercial Design Studio	Fulfills requirement for ARCH 1200 in this program only		
BLDA	280	Building Science Capstone	ARCH	1840	Structural Principles
CHEM	141	Princ of Gen & Inorganic Chemistry I	CHM	1070/1100	General Chemistry I/Lab
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	235	Mechanics of Materials	ENGR	3260	Mechanics of Materials
ENGR	240	Circuits	Fulfills ENGR 3200 Princ of Electrical Engr requirement		
MATH	141	Intro to Statistics	STA	2250	Statistics
* Only transferable for Detroit Mercy course listed if approved with portfolio review.					

Additional courses for Civil Engineering

Henry Ford College Courses			Detroit Mercy Equivalencies		
BIO 131, 138, 150, 152 (or another approved biology course)			Choose 1 approved Biology course		
CHEM	111	Chem Skills for Pre-Professional Programs	CHM	1050	Intro to General Chemistry
		OR			OR
CHEM	141	Princ of Gen & Inorganic Chemistry I	CHM	1070/1100	General Chemistry I/Lab
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	235	Mechanics of Materials	ENGR	3260	Mechanics of Materials
MATH	141	Intro to Statistics	STA	2250	Statistics

Additional courses for Electrical Engineering

Henry Ford College Courses			Detroit Mercy Equivalencies		
CHEM	141	Princ of Gen & Inorganic Chemistry I	CHM	1070/1100	General Chemistry I/Lab
CIS	170 AND CIS 230	C Prog/C++ Programming	CSSE	1710 AND CSSE 1720	Intro Programming I & II
ENG	135	Bus & Tech Writing & Research	ENL	3030	Technical Writing
ENGR	121	Engineering Design & 3D Printing	ENGR	1020	Basic Engineering Graphics & CAD
ENGR	125	Intro Computation for Engineers	ENGR	1023	Engr Computing & Problem Solving
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

Henry Ford College Courses			Detroit Mercy Equivalencies		
CHEM	111	Chem Skills for Pre-Professional Programs	CHM	1050	Intro to General Chemistry
	OR			OR	
CHEM	141	Princ of Gen & Inorganic Chemistry I	CHM	1070/1100	General Chemistry I/Lab
CIS	170	C Programming	CSSE	Elective	– fulfills programming requirement
ENGR	121	Engineering Design & 3D Printing	ENGR	1020	Basic Engineering Graphics & CAD
ENGR	125	Intro Computation for Engineers	ENGR	1023	Engr Computing & Problem Solving
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	235	Mechanics of Materials	ENGR	3260	Mechanics of Materials
ENGR	240	Circuits			Fulfills ENGR 3200/3210 Principles of Electrical Engr/Lab

Additional courses for Robotics & Mechatronic Systems Engineering

Henry Ford College Courses			Detroit Mercy Equivalencies		
CHEM	141	Princ of Gen & Inorganic Chemistry I	CHM	1070/1100	General Chemistry I/Lab
CIS	170 AND CIS 230	C Prog/C++ Programming	CSSE	1710 AND CSSE 1720	Intro Programming I & II
ENG	135	Bus & Tech Writing & Research	ENL	3030	Technical Writing
ENGR	121	Engineering Design & 3D Printing	ENGR	1020	Basic Engineering Graphics & CAD
ENGR	125	Intro Computation for Engineers	ENGR	1023	Engr Computing & Problem Solving
ENGR	130	Introduction to Engineering	ENGR	1080	Fundamentals of Engineering Design
ENGR	232	Statics	ENGR	3120	Statics
ENGR	235	Mechanics of Materials	ENGR	3260	Mechanics of Materials
ENGR	240	Circuits	ELEE	2500/2510	Fund Electrical & Computer Engr I/Lab

Note: Additional HFC courses may be substituted for UDM requirements with department and dean's office approval.

Entrance Requirements:

- Minimum 2.5 GPA based on 24 or more credits earned at HFC (and/or other accredited institutions).
- Minimum 2.5 GPA in all math/science/engineering courses.
- Completion of pre-calculus or higher with minimum grade of "C".
- If less than 24 credits have been earned, a student's high school transcript is required.
- Apply for admission to Detroit Mercy at <https://www.udmercy.edu/admission/transfer/index.php>; free application.