



HENRY FORD COLLEGE TRANSFER GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

ENGINEERING PROGRAMS – OLD CORE

The following courses will transfer into the University of Detroit Mercy Engineering programs [Architectural, Civil, Electrical, Mechanical, or Robotics and Mechatronic Systems]. Normally, 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 (currently up to 76 Detroit Mercy credits - varies by program). Course grades must be a C/2.0 or better. Additional courses not on this guide may also transfer.

To arrange a campus visit, contact an Admissions Counselor at 313-993-1245 or admissions@udmercy.edu.
Detroit Mercy website: www.udmercy.edu

This guide reflects the Old Core Curriculum effective prior to Fall 2017. Transfer students starting between Fall 2017 and Summer 2021 will have the option to select this Old Core or the New Core. See Transfer Guides indicating “NEW CORE” for the new requirements.

HENRY FORD COLLEGE COURSES

Required Objective 1 courses:

SPC 131 Fundamentals of Speaking
ENG 132 College Writing and Research

Required Objective 2 and 3 courses:

Satisfied by program requirements

Required Objective 4 courses:

PHIL 130 Intro to Philosophy
WR 130, 131, 232-242, 280
PHIL 131, 133, 135, 137-139, 201; WR 130, 131, 232-242, 280

Required Objective 5 courses:

All engineering disciplines select one OB5D course. Civil, Electrical, Mechanical, and Robotics & Mechatronic Systems Engineering students also select any two courses total from OB5A, OB5B and/or OB5C.

HIST 111, 112, 151, 152, 239, 243, 261, 283, 285, 286
ENG 231, 232, 233, 235, 237, 239, 241, 248
ART 121, 122, 123, 130, 135, 221, 224-227, 290; HUM 101;
MUS 130, 132, 133, 232, 233; TCM 132, 235; THEA 131, 132, 238
ANTH 131, 151, 152; ARA 130, 131, 132, 141, 231 232, 290;
CHN 130, 131, 132, 141, 290; ENG 243; FRE 131, 132, 141,
231, 232, 290; GEOG 132; GER 131, 132, 141, 231, 232, 290;
HIST 113, 252; ITAL 131, 132, 141, 290; PSY 161; SOC 251;
SPN 131, 132, 141, 231, 232, 290
BEC 133, 151, 152 - ONE BEC may be used as OB5 only for students completing an Associate in Science degree/Pre-Engineering and following the Articulation Agreement

Required Objective 6 course:

PHIL 139 Ethics (*if not used for OB4C*)
(ENGR 1000 at Detroit Mercy is recommended)

MTA Students only:

Detroit Mercy participates in **the Michigan Transfer Agreement (MTA)**. Most of Detroit Mercy’s Core Curriculum (listed above) will be satisfied for students who complete the MTA. However, MTA students also need to complete the requirements below either as part of the MTA, beyond the MTA at another institution, or at Detroit Mercy.

ENL 1310 (OB1)-if 2nd English Comp class not taken CST 1010 (OB1)-if Communications class not taken
PHL 1000 (OB4A) Religious Studies (OB4B) Ethics (OB6A) OB6B-take at Detroit Mercy

A minimum of three OB5 courses must be completed (two of Arch Engr’s OB5 requirements are specific courses taken at Detroit Mercy).

Students should select courses that meet both the MTA and program specific requirements.

For the Engineering programs, it may not necessarily be an advantage to complete the MTA.

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

Based on the 2016-2017 Henry Ford College catalog

DETROIT MERCY EQUIVALENCIES

Communication Skills:

CST 1010 Fundamentals of Speech OB1
ENL 1310 Academic Writing OB1

Math & Computer Skills/Scientific Literacy

Meaning & Value:

PHL 1000 Intro to Philosophy OB4A
Choose 1 Religious Studies Course OB4B
Choose 1 add’l Phil/Relig Studies course OB4C

Diverse Human Experience:

Historical Experience course OB5A
Literary Experience course OB5B
Aesthetic Experience course OB5C
Choose 1 Comparative Exp course OB5D

Social Responsibility:

PHL 2010 Foundations of Ethics OB6A

HENRY FORD COLLEGE COURSES Math, Science, Engineering Courses

DETROIT MERCY EQUIVALENCIES

All Engineering disciplines:

CHEM 141	Princ of Gen & Inorganic Chemistry I
MATH 180	Calculus I
MATH 183	Calculus II
MATH 280	Calculus III
MATH 289	Differential Equations
PHYS 231	Engineering Physics I
PHYS 232	Engineering Physics II

CHM 1070/1100	General Chemistry I/Lab
MTH 1410	Analytic Geom & Calculus I
MTH 1420	Analytic Geom & Calculus II
MTH 2410	Analytic Geom & Calculus III
MTH 3720	Differential Equ w/Lin Algebra
PHY 1600/1610	General Physics I/Lab
PHY 1620/1630	General Physics II/Lab

Additional courses for Architectural Engineering:

*ART 102	Drawing I
ACT 101	Fundamentals of Architecture
ACT 116	Basic Architectural CAD AND
ACT 136	Intermediate Architectural CAD
ACT 228	Visual Communications 2
ACT 124	Construction Systems I AND
ACT 211	Commercial Construction Systems
DRAF 120	Intro CAD AND ENGR 130 Intro Engr
ENGR 201	Science of Materials
ENGR 232	Statics
ENGR 233	Dynamics

ARCH 1110	Visual Communication I
ARCH 1190	Intro Architecture I AND
ARCH 1290	Intro Architecture II (<i>not req'd by program</i>)
ARCH 2110	Visual Communication III (prev: ARCH 1160)
ARCH 1211	Visual Communication II (prev: ARCH 2160)
ARCH 2150	Construction I
ENGR 1000	Ethics Engr AND ENGR 1050 Engr Grph/Dsgn
ENGR 3170	Science of Materials
ENGR 3120	Statics
ENGR 3130	Dynamics

* Only transferable for Detroit Mercy course listed if approved with **portfolio review**.

Additional courses for Civil Engineering:

BIO 131, 138, 150, 152	(<i>or another approved biology course</i>)
CIS 170	C Programming
DRAF 120	Intro CAD AND ENGR 130 Intro Engr
ENGR 201	Science of Materials
ENGR 232	Statics
ENGR 233	Dynamics
ENG 135	Bus & Tech Writing & Research

Choose 1 approved Biology course
CSSE Elective – fulfills programming requirement
ENGR 1000 Ethics Engr AND ENGR 1050 Engr Grph/Dsgn
ENGR 3170 Science of Materials
ENGR 3120 Statics
ENGR 3130 Dynamics
ENL 3030 Technical Writing

Additional courses for Electrical Engineering

CIS 170 AND CIS 230	C Prog/C++ Programming
ENGR 130	Introduction to Engineering
ENG 135	Bus & Tech Writing & Research

CSSE 1712 AND CSSE 1722	Intro Programming I & II
ENGR 1080	Fundamentals of Engineering Design
ENL 3030	Technical Writing

Additional courses for Mechanical Engineering

CIS 170	C Programming
ENGR 130	Introduction to Engineering
ENGR 201	Science of Materials
ENGR 232	Statics
ENGR 233	Dynamics

CSSE Elective – fulfills programming requirement	
ENGR 1080	Fundamentals of Engineering Design
ENGR 3170	Science of Materials
ENGR 3120	Statics
ENGR 3130	Dynamics

Additional courses for Robotics & Mechatronic Systems Engineering

CIS 170 AND CIS 230	C Prog/C++ Programming
ENGR 130	Introduction to Engineering
ENGR 232	Statics
ENGR 233	Dynamics
ENG 135	Bus & Tech Writing & Research

CSSE 1712 AND CSSE 1722	Intro Programming I & II
ENGR 1080	Fundamentals of Engineering Design
ENGR 3120	Statics
ENGR 3130	Dynamics
ENL 3030	Technical Writing

ENTRANCE REQUIREMENTS

- Minimum 2.5 GPA based on 24 or more credits earned at HFC (and/or other 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/apply; the application is free.