



# MACOMB COMMUNITY 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 & Mechatronic Systems]. Normally, students may transfer up to 63 credits. However, due to an Articulation Agreement, students may transfer additional MCC courses that apply toward a Detroit Mercy engineering degree (currently up to 75 Detroit Mercy credits-varies by program).

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.

Course grades must be a C or better. Additional courses not on this guide may also transfer.

Detroit Mercy Admissions: [admissions@udmercy.edu](mailto:admissions@udmercy.edu) or 313-993-1245. Website: [www.udmercy.edu](http://www.udmercy.edu)

#### MACOMB COMMUNITY COLLEGE COURSES

##### Required Objective 1 courses:

SPCH 1060 Speech Communication  
ENGL 1190 or ENGL 1220

##### Required Objective 2 & 3 courses:

*Satisfied by program requirements*

##### Required Objective 4 courses:

PHIL 2010 Introduction to Philosophy  
HUMN 1700, 2000, 2100  
HUMN 1700, 2000, 2100; PHIL 2100, 2120, 2200, 2400

##### 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 1500, 1600, 1700, 2100, 2200, 2420, 2520; INTL 2000

ENGL 1730, 2510, 2520, 2600, 2610, 2710, 2720, 2730, 2800, 2810, 2850, 2855

ARTT 1620, 1625, 2650, 2660; HUMN 1210, 1250, 1270, 1300, 1460, 1472-1476; MUSC 1030, 2710, 2720

ANTH 1000, 2220; ARAB 1260, 1270, 2360; CHIN 1260, 1270; FREN 1260-2370; GEOG 2000; GRMN 1260, 1270, 2360; HIST 1260, 1270, 1700; HUMN 1750; INTL 2010, 2300, 2500, 2700, 2800; ITAL 1260-2370; POLS 1900; PSYC 2500; SIGN 1010-1030, 2010, 2030; SPAN 1260-2370; SPCH 2300

ECON 1160 - *may be used as OB5 for students completing an Associate's degree or Certificate in Pre-Engineering*

##### Required Objective 6 course:

PHIL 2100 Intro to Ethics (*if not used for OB4C*)  
(ENGR 1000 at Detroit Mercy is recommended)

#### DETROIT MERCY EQUIVALENCIES

##### Communication Skills:

CST 1010	Fundamentals of Speech	OB1
ENL 1310	Academic Writing	OB1

##### Mathematical & Computer Skills/Scientific Literacy

##### Meaning & Value:

PHL 1000	Introduction to Philosophy	OB4A
	Choose 1 Religious Studies course	OB4B
	Choose 1 add'l Phil/Religious Studies course	OB4C

##### Diverse Human Experience:

Historical Experience courses	OB5A
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Literary Experience courses	OB5B
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Aesthetic Experience courses	OB5C
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Choose 1 Comparative Experience course	OB5D
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##### Social Responsibility:

Choose 1 Ethics course	OB6A
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#### 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 2 <sup>nd</sup> English Comp class is not taken	CST 1010 (OB1)-if Communications class is not taken
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PHL 1000 (OB4A)	Religious Studies (OB4B)	Ethics (OB6A)	OB6B-take at Detroit Mercy
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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.

**Math, Science, Engineering Courses**

**All Engineering disciplines:**

CHEM 1170	General Chemistry 1
MATH 1760	Analytic Geometry & Calculus 1
MATH 1770	Analytic Geometry & Calculus 2
MATH 2760	Analytic Geometry & Calculus 3
MATH 2770	Differential Equations
PHYS 2220	Analytical Physics 1
PHYS 2230	Analytical Physics 2

CHM 1070/1100	General Chemistry I/Lab
MTH 1410	Analytic Geometry & Calculus I
MTH 1420	Analytic Geometry & Calculus II
MTH 2410	Analytic Geometry & Calculus III
MTH 3720	Differential Equations w/Linear Alg
PHY 1600/1610	General Physics I/Lab
PHY 1620/1630	General Physics II/Lab

**Additional courses for Architectural Engineering:**

*ARTT 1060	Basic Drawing 1
CIVL 1000	Materials
DRAD 1200	History of Architecture
DRAD 2110	Applied Building Construction
DRAD 2120	Structural Detailing & Design
DRAD 2200	Mechanical & Electrical Systems for Buildings
DRCG 1140	Comp Graphics <b>AND</b> ENGR 1000 Intro to Engr

ARCH 1110	Visual Communication I
ARCH 2150	Construction I
ARCH 2120	Architectural History & Theory I
ARCH 2250	Construction II
ARCH 2130	Principles of Structural Behavior
ARCH 2340	Environmental Technology I
ARCH 2110	<b>AND</b> ENGR1050

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

**Additional courses for Civil Engineering:**

BIOL 1000, 1010, 1310	<i>(or another approved biology course)</i>
DRCG 1140	Comp Graphics <b>AND</b> ENGR 1000 Intro Engr
ITCS 2530	C++ Programming 1
SURV 2220	Civil and Survey Drafting

	Choose 1 approved Biology course
ENGR 1050	Engineering Graphics & Design
CSSE 1712	Intro to Programming I
CIVE 3400/3410	Civil Engr Tchnq;Surv CAD/Lab

**Additional courses for Electrical Engineering:**

ENGR 1000	Introduction to Engineering
ITCS 2530	C++ Programming 1
ITCS 2550	C++ Programming 2

ENGR 1080	Fundamentals of Engineering Design
CSSE 1712	Intro to Programming I
CSSE 1722	Intro to Programming II

**Additional courses for Mechanical Engineering:**

ENGR 1000	Introduction to Engineering
ITCS 2530	C++ Programming 1

ENGR 1080	Fundamentals of Engineering Design
CSSE 1712	Intro to Programming I

**Additional courses for Robotics & Mechatronic Systems Engineering:**

ENGR 1000	Introduction to Engineering
ITCS 2530	C++ Programming 1
ITCS 2550	C++ Programming 2

ENGR 1080	Fundamentals of Engineering Design
CSSE 1712	Intro to Programming I
CSSE 1722	Intro to Programming II

**ENTRANCE REQUIREMENTS**

- Minimum 2.5 GPA based on 24 or more credits earned at MCC (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](http://udmercy.edu/apply); the application is free.

If you have questions regarding MCC courses and how they transfer to Detroit Mercy, contact the Transfer Team at 313-993-1940 or [transferteam@udmercy.edu](mailto:transferteam@udmercy.edu).