



# OAKLAND 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 OCC courses that apply toward a Detroit Mercy engineering degree (currently up to 86 Detroit Mercy credits- varies by program).

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

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.

To arrange a campus visit, contact an Admissions Counselor at 313-993-1245 or [admissions@udmercy.edu](mailto:admissions@udmercy.edu).  
Detroit Mercy website: [udmercy.edu](http://udmercy.edu)

#### OAKLAND COMMUNITY COLLEGE COURSES

##### Required Objective 1 courses:

COM 1600 Fundamentals of Speech  
ENG 1520 Composition II

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

*Satisfied by program requirements*

##### Required Objective 4 courses:

PHI 1510 Introduction to Philosophy  
HUM 1710, 2720  
HUM 1710, 2720; PHI 1520, 1610, 1710, 2710

##### 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.

HIS 1510, 1550, 2510, 2520, 2610, 2620  
ENG 1610, 1710, 1720, 2510-2560, 2750-2770  
ART 1560, 2600, 2620; FSH 1500; HUM 1510, 1520, 1900, 2100-2109, 2900; MUS 1540, 1550, 1560, 1585, 1590, THE 1561, 1571  
ANT 1540, 2510, 2750; ARB 1510, 1530;  
CHI 1510, 1530; COM 2290; FRE 1510-2620;  
GEO 1520; GER 1510, 1530; HIS 1520;  
ITA 1510, 1530; JPN 1510-2620; POL 2610;  
SLS 1000, 1010-1045, 1501; SOC 2530; SPA 1510-2620  
POL 1510- may be used as OB5 only for students completing an Associate’s degree

##### Required Objective 6 Courses:

BIO 1580; MDA 1350; PHI 1610 (*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  
Literary Experience courses OB5B  
Aesthetic Experience courses OB5C  
Choose 1 Comparative Experience course OB5D

##### Social Responsibility:

Choose 1 Ethics course OB6A

#### 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  
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 Eng’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](mailto:transferteam@udmercy.edu) or 313-993-1940.

**OAKLAND COMMUNITY COLLEGE COURSES****DETROIT MERCY EQUIVALENCIES****Math, Science, Engineering Courses****All Engineering disciplines:**

CHE	1510	General Chemistry I
MAT	1730	Calculus I
MAT	1740	Calculus II
MAT	2740	Calculus III
MAT	2810	Differential Equations
PHY	2400	Engineering Physics I
PHY	2500	Engineering Physics II

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

**Additional courses for Architectural Engineering:**

*ARC 1000 Bsc Arc Draw/Drft	<b>OR</b>	*ART 1510 Bsc Draw	ARCH 1110	Visual Communication I	
ARC 1040	Introduction to Architecture		ARCH 1190	Int Arch I <b>AND</b> ARCH 1290	Int Arch II
*ARC 1130 Arch Dsgn I	<b>AND</b>	*ARC 2110 Arch Site Dev	ARCH 1100	Arch Design I <b>AND</b> ARCH 2190	Int Arch III
*ARC 1140 Arch Dsgn II	<b>AND</b>	*ARC 2165 Design/Color	ARCH 1200	Architectural Design II	
ARC 2120	Structural Systems		ARCH 2130	Principles of Structural Behavior	
ARC 1500	Building Systems I		ARCH 2150	Construction I	
ARC 2050	Building Systems II		ARCH 2250	Construction II	
ARC 2140	Architectural Environmental Systems		ARCH 2340	Environmental Technology I	
CAD 1105	Animation Dsgn <b>AND</b> CAD 1160		ARCH 1211	Visual Communication II	(prev ARCH 2160)
CAD 1151	CAD Architecture/Civil Engineering		ARCH 2110	Visual Communication III	(prev ARCH 1160)
EGR 1100	Intro Engr <b>AND</b> CAD 1101/other apprvd	CAD ENGR 1050	ENGR 1050	Engineering Graphics & Design	

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

**Additional courses for Civil Engineering:**

BIO 1320, 1500, 1511, 1530, 1560

Choose 1 approved Biology course

*(or another approved biology course)*

CIS 2252	Object-Oriented Prog (C++)	CSSE 1712	Introduction to Programming I
CMN 1300	Construction Surveying	CIVE 3400/3410	Civil Engr: Survey, CAD, GIS/Lab
EGR 1100	Intro Engr <b>AND</b> CAD 1101	ENGR 1050	Engineering Graphics & Design
ENG 2200	Professional Communication	ENL 3030	Technical Writing

**Additional courses for Electrical Engineering:**

CAD 1201	Intro to Engineering Graphics	ENGR 1022	Engr Graphics & Comp Aided Design
CIS 2252	Object-Oriented Prog (C++)	CSSE 1712	Introduction to Programming I
EGR 1100	Introduction to Engineering	ENGR 1080	Fund of Engineering Design
ENG 2200	Professional Communication	ENL 3030	Technical Writing

**Additional courses for Mechanical Engineering:**

CAD 1201	Intro to Engineering Graphics	ENGR 1022	Engr Graphics & Comp Aided Design
CIS 2252	Object-Oriented Prog (C++)	CSSE 1712	Introduction to Programming I
EGR 1100	Introduction to Engineering	ENGR 1080	Fund of Engineering Design

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

CAD 1201	Intro to Engineering Graphics	ENGR 1022	Engr Graphics & Comp Aided Design
CIS 2252	Object-Oriented Prog (C++)	CSSE 1712	Introduction to Programming I
EGR 1100	Introduction to Engineering	ENGR 1080	Fund of Engineering Design
ENG 2200	Professional Communication	ENL 3030	Technical Writing

**ENTRANCE REQUIREMENTS**

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

extra – don't print:

EGR 2000 Engineering Statics

EGR 2030 Engineering Strength of Materials

EGR 2020 Engineering Dynamics

EGR 2040 Engineering Circuit Analysis  
lab then ELEE 2510 too)

EGR 1120 Engineering Digital Systems

ENGR 3120 Statics

ENGR 3260 Mechanics of Materials

ENGR 3130 Dynamics

ELEE 2500 Fund Electrical/Computer Engr I (if

ELEE 2640 Digital Logic Circuits I (2650 if lab)