

OAKLAND COMMUNITY 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). Students may transfer up to 63 credits. If admitted under the 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.

Entrance Requirements:

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

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

Oakland Community College Courses	Detroit Mercy Equivalencies	Core
COM 1600 Fundamentals of Speech	CST 1010 Fundamentals of Speech	A1
ENG 1520 Composition II	ENL 1310 Academic Writing	A2
Satisfied by program requirement	Quant/Symbolic Reasoning course	B1
Satisfied by program requirement	Statistical/Prob Reasoning course	B2
Satisfied by program requirement	Physical Sciences course	C1
Satisfied by program requirement	Social Sciences course	C2
PHI 1510 Introduction to Philosophy	PHL 1000 Introduction to Philosophy	D1
HUM 1710, 2720	Choose 1 Religious Knowledge course	D2
HUM 1710, 2720; PHI 1520, 2710	Choose 1 PHL/RELS Elective course	D3
HIS 1510, 1520, 1550, 2510, 2520, *2610, *2620	Choose 1 Historical Experiences course	E1
ENG 1610, 1710, 1720, 2510-2570, 2750-2770	Choose 1 Literary Experiences course	E2
ART 1540, 1560, 2240, 2250, 2600; FSH 1500; HUM 1510, 1520, 1900, 2900; MUS 1560, 1585, 1590; PHO 1550; THE 1561, 1571 Architectural Engineering: satisfied by program requirement	Choose 1 Aesthetic Experiences course	E3
Satisfied by program requirement	Ethics course	F1

***Highlighted courses within the Knowledge Areas also fulfill an Integrating Theme (IT) requirement; see IT options**

MTA Students only: Transfer students who satisfy the **Michigan Transfer Agreement** (MTA) will have the Core Curriculum Knowledge Area requirements met. Fulfilling the Core Integrating Themes 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

Oakland Community College Courses	Detroit Mercy Equivalencies	Core
Satisfied by program requirement	Course varies by Engineering discipline	IT1
PHY 2400 Engineering Physics I	PHY 1600 General Physics I and PHY 1610 General Physics Lab I	IT2
Must be taken at Detroit Mercy	ENGR 3110 Prof Practice of Engineering	IT3
ENG 2570 Survey African American Literature	ENL 2850 African American Literature	IT4
GEO 1520 World Geography	GEO 2110 World Regional Geography	IT4
HIS 2610 African American History to 1877	HIS 3480 African American History	IT4
HIS 2620 African American History to Present	HIS 3480 African American History	IT4
PSY 2740 Human Dev Across the Lifespan	PYC 2500 Developmental Psychology	IT4
Must be taken at Detroit Mercy	ENGR 3000 Co-Op - Engineering & Science and CTA 3010 Engineering Co-Op I and CTA 3020 Engineering Co-Op II	IT5
Must be taken at Detroit Mercy	ENGR 1000 Engineering Ethics	IT6

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

All Engineering Disciplines

Oakland Community College Courses	Detroit Mercy Equivalencies
CHE 1510 General Chemistry I	CHM 1070/1100 General Chemistry I/Lab
MAT 1730 Calculus I	MTH 1410 Analytic Geometry & Calculus I
MAT 1740 Calculus II	MTH 1420 Analytic Geometry & Calculus II
MAT 2740 Calculus III	MTH 2410 Analytic Geometry & Calculus III
MAT 2810 Differential Equations	MTH 3720 Differential Equations w/Linear Algebra
PHY 2400 Engineering Physics I	PHY 1600/1610 General Physics I/Lab
PHY 2500 Engineering Physics II	PHY 1620/1630 General Physics II/Lab

Additional courses for Architectural Engineering

Oakland Community College Courses	Detroit Mercy Equivalencies
*ART 1510 Bsc Draw	ARCH 1110 Visual Communication I
CAD 1151 CAD Architecture/Civil Engineering	ARCH 2110 Visual Communication III
EGR 1100 Intro Engr and CAD 1101 (or other approved CAD)	ENGR 1050 Engineering Graphics & Design
MAT 1580 Statistics	STA 2250 Statistics
* Only transferable for Detroit Mercy course listed if approved with portfolio review.	

Additional courses for Civil Engineering

Oakland Community College Courses	Detroit Mercy Equivalencies
BIO 1500, 1511, 1530, 1560 (or another approved Biology course)	Choose 1 approved Biology course
CMN 1300 Construction Surveying	CIVE 3400/3410 Civil Engr: Survey, CAD, GIS/Lab
EGR 1100 Intro Engr and CAD 1101 Intro CAD	ENGR 1050 Engineering Graphics & Design
MAT 1580 Statistics	STA 2250 Statistics

Additional courses for Electrical Engineering

Oakland Community College Courses			Detroit Mercy Equivalencies			
CAD	1201	Intro to Engineering Graphics	ENGR 1020	Basic Engr Graphics/CAD and	ENGR 1021	Intermed Engr Graphics/CAD
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

Oakland Community College Courses			Detroit Mercy Equivalencies			
CAD	1201	Intro to Engineering Graphics	ENGR 1020	Basic Engr Graphics/CAD and	ENGR 1021	Intermed Engr Graphics/CAD
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 & Mechatronic Systems Engineering

Oakland Community College Courses			Detroit Mercy Equivalencies			
CAD	1201	Intro to Engineering Graphics	ENGR 1020	Basic Engr Graphics/CAD and	ENGR 1021	
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		