



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). Typically, 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. Total credits accepted into these Detroit Mercy Engineering programs: Arch Engr 72, Civil Engr 76, Elect Engr 78, Mech Engr 73 and RMSE 86. Course grades must be a "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.

Michigan Transfer Agreement (MTA) will satisfy all Detroit Mercy Core Curriculum Knowledge Area.

Courses which fulfill Detroit Mercy Core Curriculum Integrating Theme Requirements:

Oakland Community College Courses	Detroit Mercy Equivalencies	Core
ENG 2570; GEO 1520; HIS 2610, 2620; PSY 2740, 2910 (if taken as part of the MTA, this will also fulfill IT4)	Choose 1 Human Difference course	IT4

Courses which fulfill requirements for Detroit Mercy's Engineering programs:

All Engineering Disciplines

Oakland Community College Courses	Detroit Mercy Equivalencies
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 Eq 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 Basic Drawing	ARCH 1110 Visual Communication I
CAD 1151 CAD Architecture/Civil Engineering	ARCH 2110 Visual Communication III
CHE 1510 General Chemistry I	CHM 1070/1100 General Chemistry I/Lab
EGR 1100 Intro Engr AND CAD 1101 Intro CAD OR CAD 1050 Geo Dimension/Tolerancing	ENGR 1050 Engineering Graphics & Design
EGR 2100 Statics	ENGR 3120 Statics
EGR 2200 Mechanics of Materials	ENGR 3260 Mechanics of Materials
EGR 2500 Dynamics	ENGR 3130 Dynamics
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 BIO)			Choose 1 approved Biology course		
CHE	1510	General Chemistry I	CHM	1070/1100	General Chemistry I/Lab
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
OR					
CAD	1050	Geo Dimension/Tolerancing			
EGR	2100	Statics	ENGR	3120	Statics
EGR	2200	Mechanics of Materials	ENGR	3260	Mechanics of Materials
EGR	2500	Dynamics	ENGR	3130	Dynamics
MAT	1580	Statistics	STA	2250	Statistics

Additional courses for Electrical Engineering

Oakland Community College Courses			Detroit Mercy Equivalencies		
CAD	1201	Intro to Engr Graphics OR	ENGR	1020	Basic Engr Graphics/CAD AND ENGR 1021
CAD	2201	Unigraphics			
CHE	1510	General Chemistry I	CHM	1070/1100	General Chemistry I/Lab
CIS	2252	Object-Oriented Prog (C++)	CSSE	1710/1711	Intro to Programming I/Lab
EGR	1100	Introduction to Engineering	ENGR	1080	Fund of Engineering Design
EGR	2010	Engineering Programming	ENGR	1023	Engr Computing & Problem Solving
EGR	2060	Engineering Digital Circuits	ELEE	2640/2650	Digital Logic Circuits I/Lab
EGR	2080	Engineering Microcontrollers	ELEE	3860/3870	Intro to Microcontrollers/Lab
EGR	2700	Engineering Circuits I	ELEE	2500/2510	Fund of Elec & Comp Engr I/Lab
ENG	2200	Professional Communication	ENL	3030	Technical Writing

Additional courses for Mechanical Engineering

Oakland Community College Courses			Detroit Mercy Equivalencies		
CAD	1201	Intro to Engr Graphics OR	ENGR	1020	Basic Engr Graphics/CAD AND ENGR 1021
CAD	2201	Unigraphics			
CHE	1000	Intro Chem (not applicable to the Pre-Engr Program)	CHM	1050	Intro to Gen Chemistry OR
OR			CHM	1070/1100	General Chemistry I/Lab
CHE	1510	General Chemistry I			
CIS	2252	Object-Oriented Prog (C++)	CSSE	1710/1711	Intro to Programming I/Lab
EGR	1100	Introduction to Engineering	ENGR	1080	Fund of Engineering Design
EGR	2010	Engineering Programming	ENGR	1023	Engr Computing & Problem Solving
EGR	2100	Statics	ENGR	3120	Statics
EGR	2200	Mechanics of Materials	ENGR	3260	Mechanics of Materials
EGR	2500	Dynamics	ENGR	3130	Dynamics

Additional courses for Robotics & Mechatronic Systems Engineering

Oakland Community College Courses			Detroit Mercy Equivalencies		
CAD	1201	Intro to Engr Graphics	ENGR	1020	Basic Engr Graphics/CAD AND ENGR 1021
CAD	2201	Unigraphics			
CHE	1510	General Chemistry I	CHM	1070/1100	General Chemistry I/Lab
CIS	2252	Object-Oriented Prog (C++)	CSSE	1710/1711	Intro to Programming I/Lab
EGR	1100	Introduction to Engineering	ENGR	1080	Fund of Engineering Design
EGR	2010	Engineering Programming	ENGR	1023	Engr Computing & Problem Solving
EGR	2060	Engineering Digital Circuits	ELEE	2640/2650	Digital Logic Circuits I/Lab
EGR	2080	Engineering Microcontrollers	ELEE	3860/3870	Intro to Microcontrollers/Lab
EGR	2100	Statics	ENGR	3120	Statics
EGR	2200	Mechanics of Materials	ENGR	3260	Mechanics of Materials
EGR	2500	Dynamics	ENGR	3130	Dynamics
EGR	2700	Engineering Circuits I	ELEE	2500/2510	Fund of Elec & Comp Engr I/Lab
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 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.

For more information regarding University of Detroit Mercy's Engineering programs, contact:

Carolyn Rimle
Assistant Dean for Academics
College of Engineering & Science
rimlec@udmercy.edu
313-993-3362