

OAKLAND COMMUNITY COLLEGE TRANSFER GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

CHEMISTRY AND BIOCHEMISTRY PROGRAMS – NEW CORE

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

The following courses will transfer into Detroit Mercy’s Chemistry and Biochemistry programs. Students may transfer a maximum of 63 credits toward a Bachelor's Degree; course grades must be a C or better. Additional courses not on this guide may also transfer.

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

Entrance Requirements:

- Minimum 2.50 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/apply; the application is free.

Oakland Community College Courses	Detroit Mercy Equivalencies	
Core Knowledge Area A: Communication Skills		
COM 1600 Fundamentals of Speech	CST 1010 Fundamentals of Speech	A1
ENG 1520 Composition II	ENL 1310 Academic Writing	A2
Core Knowledge Area B: Mathematics/Statistical Knowledge		
Satisfied by program requirement	Quant/Symbolic Reasoning course	B1
Satisfied by program requirement; no OCC equivalent	CHM 3870 Quantitative Analysis	B2
Core Knowledge Area C: Scientific Knowledge		
Satisfied by program requirement	Physical Sciences course	C1
ANT 1520, 1540, ECO 2610, 2620; GEO 1520; PLG 2100; POL 1510, 2530, 2610; PSY 2510, 2630, 2740, 2910; SOC 2510, 2520, 2530, 2560, 2570	Choose 1 Social Sciences course	C2
Core Knowledge Area D: Religious and Philosophical Knowledge		
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, 1710, 2710	Choose 1 PHL/RELS Elective course	D3
Core Knowledge Area E: Essential Humanities		
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, 2100 -2109, 2900; MUS 1560, 1585, 1590; PHO 1550; THE 1561, 1571	Choose 1 Aesthetic Experiences course	E3
Core Knowledge Area F: Ethics and Social Responsibility		
MDA 1350; PHIL 1610	PHL 2010 Foundations of Ethics	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 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.

Oakland Community College Courses	Detroit Mercy Equivalencies
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Core Integrating Theme 1: Reading, Writing and Research Across the Curriculum

SOC 2520	Analysis of Social Problems	CHM 2300	Contemporary Social Problems	IT1
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Choose 1 Core Integrating Theme 2: Critical Thinking

BUS 2030; HIS 2520; PHI 1710; PHY 2400 For BS CHM, PHY 2400 fulfills a program requirement.	Choose 1 Critical Thinking course	IT2
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Choose 1 Core Integrating Theme 3: Cultural Diversity

ANT 1540, 2750; ARB 1510, 1530; CHI 1510; COM 2290; FRE 1510, 1530, 2610, 2620; GEO 1520; GER 1510, 1530; HIS 1520, 2610, 2620; ITA 1510, 1530; JPN 1510, 1530, 2610, 2620; POL 2610; SLI 1000, 1010-1045, 1501; SOC 2530; SPA 1510, 1530, 2610, 2620	Choose 1 Cultural Diversity course	IT3
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Choose 1 Core Integrating Theme 4: Human Difference

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

Core Integrating Themes 5 & 6: Personal Spiritual Development and Spirituality/Social Justice

Must be taken at Detroit Mercy	Detroit Mercy has many options; some will fulfill both IT5 and IT6	IT5 & 6
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These courses fulfill requirements for Detroit Mercy's Chemistry and/or Biochemistry programs:

Oakland Community College Courses	Detroit Mercy Equivalencies		
<i>All Chemistry and Biochemistry programs:</i>			
CHE 1510	General Chemistry I	CHM 1070/1100	General Chemistry I/Lab
CHE 1520	General Chemistry II	CHM 1080/1120	General Chemistry II/Lab
CHE 2610	Organic Chemistry I	CHM 2270	Organic Chemistry I
CHE 2620	Organic Chemistry II	CHM 2290	Organic Chemistry II
CHE 2650	Organic Chemistry Lab	CHM 2250/2260	Organic Chemistry Labs I & II
MAT 1730	Calculus I	MTH 1410	Analytic Geometry & Calculus I
MAT 1740	Calculus II	MTH 1420	Analytic Geometry & Calculus II
<i>B.S. with Biochemistry major</i>			
BIO 1530	Biology I: Molecular & Cellular	BIO 1200/1210	General Biology I/Lab
BIO 1560	Biology II: Biodiversity & Ecology	BIO 1220/1230	General Biology II/Lab
BIO 2560	Principles of Genetics	BIO 2700	Genetics (BIO Elective)
PHY 1610	College Physics I	PHY 1300/1310	General Physics I/Lab
PHY 1620	College Physics II	PHY 1320/1330	General Physics II/Lab
<i>B.S. with Chemistry major</i>			
MAT 2740	Calculus III	MTH 2410	Analytic Geometry & Calculus III
PHY 2400	Engineering Physics I	PHY 1600/1610	General Physics I/Lab
PHY 2500	Engineering Physics II	PHY 1620/1630	General Physics II/Lab
<i>B.A. with Chemistry major</i>			
PHY 1610	College Physics I	PHY 1300/1310	General Physics I/Lab
PHY 1620	College Physics II	PHY 1320/1330	General Physics II/Lab