

# ST. CLAIR COUNTY 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. Detroit Mercy Admissions: admissions@udmercy.edu or 313-993-1245. Website: udmercy.edu

Courses which fulling betroit Mercy core curriculum knowledge Area Requirements					
Detroit Mercy Equivalencies	Core				
CST 1010 Fundamentals of Speech	A1				
ENL 1310 Academic Writing	A2				
Quant/Symbolic Reasoning course	B1				
STA 2250 Statistics	B2				
Physical Sciences course					
Social Sciences course					
PHL 1000 Introduction to Philosophy	D1				
Religious Knowledge course					
Choose 1 PHL/RELS Elective course					
Choose 1 Historical Experiences course					
Choose 1 Literary Experiences course	E2				
Choose 1 Aesthetic Experiences course	E3				
PHL 2010 Foundations of Ethics	F1				
	Detroit Mercy EquivalenciesCST1010Fundamentals of SpeechENL1310Academic WritingQuant/Symbolic Reasoning courseSTA2250StatisticsPhysical Sciences courseSocial Sciences courseSocial Sciences coursePHL1000Introduction to PhilosophyReligious Knowledge courseChoose 1 PHL/RELS Elective courseChoose 1 Historical Experiences courseChoose 1 Literary Experiences courseChoose 1 Aesthetic Experiences course				

#### Courses which fulfill Detroit Mercy Core Curriculum Knowledge Area Requirements

### **Courses which fulfill Detroit Mercy Core Curriculum Integrating Theme Requirements**

St. Clair County CC Courses	Detroit Mercy Equivalencies	Core
<b>ANT</b> 171; <b>FR</b> 101, 102, 203, 204; <b>GEO</b> 102, 233; <b>GR</b> 101, 102,	Choose 1 Cultural Diversity course	IT3
203, 204; <b>HIS</b> 102, 233; <b>PSY</b> 280; <b>SP</b> 101, 102, 203, 204		
Pre-PA students should take HUS 4410 at Detroit Mercy		
In some cases, these may be fulfilled by program	Additional Integrating Themes	
requirements or other Knowledge Area courses. See a	IT1, IT2, IT4, IT5, IT6	
Detroit Mercy advisor for a defined list of approved courses		
and more information.		

## 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.

# These courses fulfill requirements for Detroit Mercy's Chemistry and/or Biochemistry programs: All Chemistry and Biochemistry programs:

St. Clair County Courses			Detroit Mercy Equivalencies		
CHM	111	Chemistry Theory and Principles with	CHM	1070/1100	General Chemistry I/Lab
Analys	is				
CHM	112	Chemistry Theory and Principles with	CHM	1080/1120	General Chemistry II/Lab
Analysis					
CHM	215	Organic Chemistry I	CHM	2270/2250	Organic Chemistry I
CHM	216	Organic Chemistry II	CHM	2290/2260	Organic Chemistry II
MTH	114	Calculus I	MTH	1410	Analytic Geometry & Calculus I
MTH	215	Calculus II	MTH	1420	Analytic Geometry & Calculus II

### B.S. with Biochemistry major

St. Clair County Courses			Detroit Mercy Equivalencies		
BIO	120	Cellular and Molecular Biology	BIO	1200/1210	General Biology I/Lab
BIO	250	General Zoology	BIO	1220/1230	General Biology II/Lab
PHY	121	College Physics I	PHY	1300/1310	General Physics I/Lab
PHY	122	College Physics II	PHY	1320/1330	General Physics II/Lab

### B.S. with Chemistry major

		St. Clair County Courses	Detroit Mercy Equivalencies		
MTH	216	Calculus III	MTH	2410	Analytic Geometry/Calculus III
PHY	221	Mechanics, Heat and Sound	PHY	1600/1610	General Physics I/Lab
PHY	222	Electricity, Light and Modern Physics	PHY	1620/1630	General Physics II/Lab

## B.A. with Chemistry major

	St. Clair County Courses			Detroit Mercy Equivalencies		
PHY	121	College Physics I	PHY	1300/1310	General Physics I/Lab	
PHY	122	College Physics II	PHY	1320/1330	General Physics II/Lab	

### **Entrance Requirements:**

- Minimum 2.50 GPA based on 24 or more credits earned at SC4 (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.

If you have any questions regarding SC4 courses and how they transfer to Detroit Mercy, contact the Transfer Team at 313-993-1940 or transferteam@udmercy.edu.