

# SCHOOLCRAFT 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 2.0 or better. Additional courses not on this guide may also transfer. Detroit Mercy Admissions: admissions@udmercy.edu or 313-993-1245. Website: udmercy.edu

Schoolcraft College Courses	Detroit Mercy Equivalencies	
<b>Core Knowledge Area A: Communication Skills</b>		
<b>COMA</b> 103 Fundamentals of Speech	CST 1010 Fundamentals of Speech	A1
<b>ENG</b> 102 or 221	ENL 1310 Academic Writing	A2
<b>Core Knowledge Area B: Mathematics/Statistical Knowledge</b>		
Satisfied by program requirement	Quant/Symbolic Reasoning course	B1
<b>MATH</b> 122 Elementary Statistics	STA 2250 Statistics	B2
<b>Core Knowledge Area C: Scientific Knowledge</b>		
Satisfied by program requirement	Physical Sciences course	C1
<b>ANTH</b> 201; <b>ECON</b> 103, 201, 202; <b>GEOG</b> 133; <b>POLS</b> 105, 109, 205, 207, 209; <b>PSYCH</b> 153, 201, 205-209, 219, 229, 239 ; <b>SOC</b> 201, 205, 209, 210, 220, 290	Choose 1 Social Sciences course	C2
<b>Core Knowledge Area D: Religious and Philosophical Knowledge</b>		
<b>PHIL</b> 243 Introduction to Philosophy	PHL 1000 Introduction to Philosophy	D1
<b>ANTH</b> 211 Myth, Magic, World Religions	Religious Knowledge course	D2
<b>PHIL</b> 247, 265, 277	Choose 1 PHL/RELS Elective course	D3
<b>Core Knowledge Area E: Essential Humanities</b>		
<b>HIST</b> 134, 137, 138, 151, 152, 153	Choose 1 Historical Experiences course	E1
<b>ENG</b> 243, 244, 245, 246, 248, 251, 252, 275	Choose 1 Literary Experiences course	E2
<b>ART</b> 113, 115, 116, 201, 216, 228, 246; <b>CGT</b> 161, 244; <b>ENG</b> 200; <b>HUM</b> 150, 151, 152, 201, 202, 203, 204, 210, 215; <b>MUSIC</b> 105, 149, 155, 164, 165; <b>THEA</b> 101, 210, 231, 232	Choose 1 Aesthetic Experiences course	E3
<b>Core Knowledge Area F: Ethics and Social Responsibility</b>		
<b>PHIL</b> 257, 277 <i>Pre-PA students should select PHIL 257 Bioethics</i>	Choose 1 Ethics course	F1
<b>Core Integrating Theme 3: Cultural Diversity</b>		
<b>ANTH</b> 112, 117, 201, 214; <b>ARB</b> 101, 102, 201, 202; <b>CHIN</b> 101, 102, 201, 202; <b>FR</b> 101, 102, 201, 202; <b>GEOG</b> 133; <b>GER</b> 101, 102, 201, 202; <b>ITAL</b> 101, 102; <b>POLS</b> 207; <b>PSYCH</b> 206; <b>SOC</b> 210; <b>SPAN</b> 101, 102, 201, 202	Choose 1 Cultural Diversity course	IT3
<b>Additional Core Integrating Themes</b>		
In some cases, these may be fulfilled by program requirements or other Knowledge Area courses. See a Detroit Mercy advisor for a defined list of approved courses and more information.	Additional Integrating Themes IT1, IT2, IT4, IT5, IT6	

**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:

Schoolcraft College Courses			Detroit Mercy Equivalencies		
<b>All Chemistry and Biochemistry programs:</b>					
CHEM	111	General Chemistry 1	CHM	1070/1100	General Chemistry I/Lab
CHEM	117	General Chemistry 2 & Quantitative Analysis	CHM	1080/1120	General Chemistry II/Lab
CHEM	213	Organic Chemistry 1	CHM	2270/2250	Organic Chemistry I
CHEM	214	Organic Chemistry 2	CHM	2290/2260	Organic Chemistry II
MATH	150	Calculus with Analytic Geometry 1	MTH	1410	Analytic Geometry & Calculus I
MATH	151	Calculus with Analytic Geometry 2	MTH	1420	Analytic Geometry & Calculus II
<b>B.S. with Biochemistry major</b>					
BIOL	120	Principles of Biology 1	BIO	1200/1210	General Biology I/Lab
BIOL	130	Principles of Biology 2	BIO	1220/1230	General Biology II/Lab
PHYS	181	General Physics 1	PHY	1300/1310	General Physics I/Lab
PHYS	182	General Physics 2	PHY	1320/1330	General Physics II/Lab
<b>B.S. with Chemistry major</b>					
MATH	240	Calculus with Analytic Geometry 3	MTH	2410	Analytic Geometry/Calculus III
PHYS	211	Physics for Scientists & Engineers 1	PHY	1600/1610	General Physics I/Lab
PHYS	212	Physics for Scientists & Engineers 2	PHY	1620/1630	General Physics II/Lab
<b>B.A. with Chemistry major</b>					
PHYS	181	General Physics 1	PHY	1300/1310	General Physics I/Lab
PHYS	182	General Physics 2	PHY	1320/1330	General Physics II/Lab

**Entrance Requirements:**

- Minimum 2.50 GPA based on 24 or more credits earned at Schoolcraft (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](http://udmercy.edu/apply); the application is free.

If you have any questions regarding Schoolcraft courses and how they transfer to Detroit Mercy, contact the Transfer Team at 313-993-1940 or [transferteam@udmercy.edu](mailto:transferteam@udmercy.edu).