

HENRY FORD 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 matriculating to 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. If admitted under the HFC-Detroit Mercy Science Articulation Agreement, students may transfer the following: B.S. Chemistry - up to 86 credits; B.A. Chemistry - up to 79 credits; B.S. Biochemistry - up to 83 credits. 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 HFC (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.

Henry Ford College Courses	Detroit Mercy Equivalencies	
Core Knowledge Area A: Communication Skills		
SPC 131 Fundamentals of Speech	CST 1010 Fundamentals of Speech	A1
ENG 132 College Writing and Research	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 HFC equivalent	CHM 3870 Quantitative Analysis	B2
Core Knowledge Area C: Scientific Knowledge		
Satisfied by program requirement	Physical Sciences course	C1
BEC 133, 151, 152; GEOG 132, 221; PLGL 226; POLS 101, 131, 135, 152, 155, 200, 201; PSY 131, 152, 161, 251, 253, 254, 257; SOC 131, 132, 151, 152, 253, 254; SSC 131	Choose 1 Social Sciences course	C2
Core Knowledge Area D: Religious and Philosophical Knowledge		
PHIL 130 Introduction to Philosophy	PHL 1000 Introduction to Philosophy	D1
WR 130, 131, 232-236, 239, 240, 280; HON 251	Choose 1 Religious Knowledge course	D2
PHIL 131, 133, 135, 137, 201; WR 130, 131, 232-242, 280	Choose 1 PHL/RELS Elective course	D3
Core Knowledge Area E: Essential Humanities		
HIST 111, 112, 113, 151, 152, 239, 243, 261, 283, 285, 286	Choose 1 Historical Experiences course	E1
ENG 231, 232, 233, 235, 237, 241, 248	Choose 1 Literary Experiences course	E2
ART 121, 122, 123, 130, 135, 221, 224-227, 290, 2901, 2902; ENG 139; HUM 101; INTR 280; MUS 130, 132, 133, 232, 233; TCM 132, 235; THEA 131, 132, 238	Choose 1 Aesthetic Experiences course	E3
Core Knowledge Area F: Ethics and Social Responsibility		
PHIL 138 OR 139	Choose 1 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 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.

Henry Ford College Courses	Detroit Mercy Equivalencies
----------------------------	-----------------------------

Core Integrating Theme 1: Reading, Writing and Research Across the Curriculum

Must be taken at Detroit Mercy	CHM 2300 Organic Chem Lab II	IT1
--------------------------------	------------------------------	-----

Core Integrating Theme 2: Critical Thinking

BLW 253; HIST 152; PHIL 131; PHYS 231, 232; WR 237 For BS CHM, PHYS 231 fulfills a program requirement	Choose 1 Critical Thinking course	IT2
---	-----------------------------------	-----

Core Integrating Theme 3: Cultural Diversity

ANTH 131, 151, 152; ARA 130, 131, 132, 141, 231, 232, 290; ASL 130, 131, 132, 231, 232; CHN 130, 131, 132; ENG 243; FRE 131, 132, 231, 232; GEOG 132, 221; GER 131, 132, 231, 232; HIST 113, 243, 252; ITAL 131, 132; PSY 257; SOC 251; SPN 131, 132, 141, 231, 232, 290; WR 232, 233, 237	Choose 1 Cultural Diversity course	IT3
--	------------------------------------	-----

Core Integrating Theme 4: Human Difference

ENG 248; GEOG 132, 221; HIST 243; PSY 161, 251, 253	Choose 1 Human Difference course	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
--------------------------------	---	---------

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

Henry Ford College Courses			Detroit Mercy Equivalencies		
All Chemistry and Biochemistry programs:					
CHEM 141	Principles of General & Inorganic Chemistry I		CHM 1070/1100	General Chemistry I/Lab	
CHEM 142	Principles of General & Inorganic Chemistry II		CHM 1080/1120	General Chemistry II/Lab	
CHEM 241	Organic Chemistry I		CHM 2270	Organic Chemistry I	
CHEM 242	Organic Chemistry II		CHM 2290	Organic Chemistry II	
CHEM 243	Microscale Organic Chemistry Laboratory I		CHM 2250/2260	Organic Chemistry Labs I & II	
MATH 180	Calculus I		MTH 1410	Analytic Geometry & Calculus I	
MATH 183	Calculus II		MTH 1420	Analytic Geometry & Calculus II	
B.S. with Biochemistry major					
BIO 150	Biology: Organisms, Genes, and Ecology		BIO 1200/1210	General Biology I/Lab	
BIO 152	Cells and Molecular Biology		BIO 1220/1230	General Biology II/Lab	
PHYS 131	General Physics I		PHY 1300/1310	General Physics I/Lab	
PHYS 132	General Physics II		PHY 1320/1330	General Physics II/Lab	
B.S. with Chemistry major					
MATH 280	Calculus III		MTH 2410	Analytic Geometry & Calculus III	
PHYS 231	Engineering Physics I		PHY 1600/1610	General Physics I/Lab	
PHYS 232	Engineering Physics II		PHY 1620/1630	General Physics II/Lab	
B.A. with Chemistry major					
PHYS 131	General Physics		PHY 1300/1310	General Physics I/Lab	
PHYS 132	General Physics II		PHY 1320/1330	General Physics II/Lab	