

Articulation Agreement Renewal

between

Henry Ford College

Associate in Science

Biology, Chemistry, Science, or Environmental Studies

Associate in Applied Science

Biotechnology



and

University of Detroit Mercy

Bachelor of Science

Biochemistry, Biology, or Chemistry

Bachelor of Arts

Chemistry



October 2020

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Bachelor of Arts in Chemistry

Article I - Agreement on Principle

University of Detroit Mercy (hereafter Detroit Mercy) and Henry Ford College (hereafter HFC) agree that students who begin their studies at the community college and transfer to Detroit Mercy to earn a bachelor's degree should experience a smooth transition that minimizes loss of credit and duplication of coursework. Detroit Mercy and HFC enter into this Agreement as cooperating, equal partners who shall maintain the integrity of their separate programs.

Article II - Agreement on Program Specifics

Admission to a Detroit Mercy undergraduate science program is ensured to students who meet the basic Detroit Mercy admission criteria including at least a 2.50 overall GPA and at least a 2.50 in all math and science classes. Students who do not satisfy these criteria will be evaluated on a case-by-case basis. HFC students within or under this Agreement will receive equal consideration with others seeking admission or financial aid.

- Specific courses that transfer are listed on the attached Transfer Guides.
- The maximum number of Detroit Mercy credits that will transfer from HFC to fulfill specific requirements in science programs is 63, but for those following this Articulation agreement, additional credits may transfer as shown:
 - B.S. degree with a major in Biochemistry: 83 credits
 - B.S. degree with a major in Biology: 79 credits
 - B.S. degree with a major in Chemistry: 86 credits
 - B.A. degree with a major in Chemistry: 79 credits
- The Transfer Guide is updated regularly to reflect new and discontinued classes and programs. These Guides are available on the Detroit Mercy website. Any additional courses will be reviewed and added to subsequent Transfer Guides.
- Courses with less than a grade of C (2.0) will not transfer.
- Although not necessary to benefit from this Agreement, in general, HFC students are encouraged to complete the associate degree and/or the Michigan Transfer Agreement (MTA) at HFC. In some cases, this may be done with the reverse transfer of credit.

- Students who are completing HFC’s associate degree are encouraged to select the HFC humanities and social science courses that not only fulfill HFC General Education Distribution Requirements/MTA Requirements, but also fulfill Detroit Mercy’s Core Curriculum. (See attached Transfer Guides.)

Article III - Agreement on Communication

Detroit Mercy and HFC agree to cooperate in communication with each other and with their common and respective publics concerning the established relationship between the two institutions. Faculty and staff at both institutions will share the information in this Agreement with interested and qualified students and both institutions will provide counseling and advising to current and prospective students.

Detroit Mercy and HFC agree to exchange transfer student information for monitoring and enhancing student academic success. The information may also be used to enhance curricular offerings. At no time will Family Education Rights and Privacy Act (FERPA) regulations or requirements be violated.

HFC students are strongly encouraged to contact both an HFC advisor and a Detroit Mercy science advisor as early as possible to put together a customized program plan for courses at both HFC and Detroit Mercy.

Article IV - Maintenance and Review Procedures

Detroit Mercy and HFC agree that at least one individual at each institution to evaluate the continuing effectiveness of this Agreement, to facilitate changes to and development of the program, and to advise students in exceptional situations.

Detroit Mercy and HFC agree that responsibility to practical implementation, maintenance and communication related to this Agreement rests with the following individuals:

At Detroit Mercy: Transfer Credit Team
 Office of the Registrar
 University of Detroit Mercy
 4001 West McNichols Rd.
 Detroit, MI 48221-3038
 E-mail: transferteam@udmercy.edu

At HFC: Office of Academic Services (L314)
 Henry Ford College
 5101 Evergreen Rd.
 Dearborn, MI 48128
 E-mail: academicservices@hfcc.edu

Article V - Review and Modification of the Agreement

Each institution will notify the other in writing of any contemplated curricular changes that would affect the future of this Agreement. No modifications to this Agreement will take place unless they are in writing and signed by authorized individuals of both parties.

Article VI – Indemnification

To the extent permitted by law, HFC and Detroit Mercy agree to indemnify and hold one another harmless from any and all claims initiated by student participants, their parents, survivors, or agents, arising from any negligent acts or omission on the part of either institution or any of their employees.

Article VII - Effective Dates

This Agreement is effective as of October 1, 2020 up to October 1, 2025.

Six months (6) prior to the termination of this Agreement, the Agreement will be reviewed for possible revisions and renewal. Either Detroit Mercy or HFC may terminate this Agreement without cause by notifying the other party in writing 90 days in advance of the date of termination. Should the Agreement be terminated or significantly changed, HFC students who designated this program Agreement before its termination will have three additional years to be admitted under the terms of this Agreement.

Note: Detroit Mercy adopted a New Core Curriculum effective Fall 2017. Transfer students are encouraged to follow the New Core. However, if it is to the student's advantage to follow the Old Core Curriculum, students who begin at Detroit Mercy from Fall 2017 up to and including Summer 2021 will have the option to select the Old Core. This will be done in consultation with an academic advisor.

Article VIII – Additional Provisions

Discrimination. The Parties agree that they will not discriminate against any student or participant because of race, color, age, sex/gender, sexual orientation, gender identity, gender expression, religion, national origin, height, weight, marital status, disability perceived disability, political affiliation, familial status, veteran status, genetic or other characteristic protected by law in the performance of programs and services under this Agreement, consistent with federal and state laws and with the non-discrimination policies of each Party. Neither party will discriminate against any employee or applicant for employment (with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment) because of race, color, age, sex/gender, sexual orientation, gender identity, gender expression, religion, national origin, height, weight, marital status, disability, perceived disability, political affiliation, familial status, veteran status, genetic or other characteristic protected by law.

The Parties agree that they will provide appropriate accommodations and services for all individuals with disabilities who are protected by the Americans with Disabilities Act and make

sure that all of their programs are also accessible and comply with the Americans with Disabilities Act (ADA), Rehabilitation Act of 1973, and in particular, the provision that illegal discrimination by either party may be considered a material breach of this Agreement.

Invalid Parts. If any provision of this Agreement is declared by any court of competent jurisdiction to be invalid for any reason, such invalidity shall not affect the remaining provisions. On the contrary, such remaining provisions shall be fully severable, and this Agreement shall be construed and enforced as if such invalid provisions never had been inserted in this Agreement.

Enforcement and Governing Law. All matters relating to the validity, interpretation, performance or enforcement of this Agreement, and any claims arising from or related to this Agreement, will be governed by and construed in accordance with the laws of the United States of America, State of Michigan, without regard to the principle of conflict of laws.

Disputes. The Parties agree to attempt best efforts to resolve disputes on an informal basis through meetings and discussions. Disputes that are not resolved at the informal level will be submitted to facilitation. If facilitation is unsuccessful, the Parties shall submit their dispute to binding arbitration in lieu of litigation and waive the right to file suit against the other. The arbitration shall be conducted in Dearborn, Michigan by a mutually acceptable arbitrator who shall determine which Party(ies) shall be responsible for paying the arbitrator's fee.

Entire Agreement. This Agreement embodies the entire agreement of the Parties and supersedes all other verbal and/or written agreements, warranties, representations, or understandings entered into by the Parties and may only be modified by a written amendment executed by authorized signatories of both Parties.

Counterparts. This Agreement may be executed in counterparts which, when combined, shall constitute the entire agreement.

Articulation Agreement Renewal

between

Henry Ford College

Associate in Science in Biology, Chemistry, Science, or Environmental Studies

Associate in Applied Science in Biotechnology

and

University of Detroit Mercy

Bachelor of Science in Biochemistry, Biology, or Chemistry

Bachelor of Arts in Chemistry

The signatories below warrant they are authorized to enter into this Agreement on behalf of their respective Parties.

Henry Ford College



Russell Kavalhuna, J.D.
President



Michael Nealon, Ph.D.
Vice President of Academic Affairs



Janice Gilliland, Ed.S.
Dean, School of Science Technology,
Engineering and Mathematics

University of Detroit Mercy



Antoine M. Garibaldi, Ph.D.
President



Pamela Zarkowski, J.D., M.P.H.
Provost and Vice President for Academic
Affairs



Katherine E. Snyder, Ph.D.
Dean
College of Engineering & Science

11/16/2020

Date of Last Signature

HENRY FORD COLLEGE TRANSFER GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

BIOLOGY – 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 Biology program. Students may transfer a maximum of 63 credits toward a Bachelor's Degree. If admitted under the HFC-Detroit Mercy’s Biology Articulation Agreement, students may transfer up to 79 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
Must be taken at Detroit Mercy	BIO 2900 Biostatistics	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, 260, 296; SOC 131, 132, 151, 152, 253, 254; SSC 131	Choose 1 Social Science 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	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; HON 251	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		
Satisfied by program requirement; no HFC requirement	ETH 3580 Health Care 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.

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

Must be taken at Detroit Mercy	BIO 4990 Biology and Social Issues	IT1
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Core Integrating Theme 2: Critical Thinking

May be fulfilled at Detroit Mercy with BIO Elective	BIO 4630 Physiology	IT2
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Choose 1 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 161, 257; SOC 251; SPN 131, 132, 141, 231, 232, 290; WR 232, 233, 237	Choose 1 Cultural Diversity course	IT3
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Choose 1 Core Integrating Theme 4: Human Difference

ENG 248; GEOG 132, 221; HIST 243; PSY 161, 251, 253	Choose 1 Human Difference course	IT4
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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 Biology program:

Henry Ford College Courses			Detroit Mercy Equivalencies		
BIO	150	Biology: Organisms, Genes, and Ecology	BIO	1220/1230	General Biology II/Lab
BIO	152	Cells and Molecular Biology	BIO	1200/1210	General Biology I/Lab
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	165 or 175 or	(MATH 112 and MATH 115)	MTH	1400	Elementary Functions
MATH	180	Calculus I (<i>optional but recommended</i>)	MTH	1410	Analytic Geometry & Calculus I
MATH	183	Calculus II (<i>optional but recommended</i>)	MTH	1420	Analytic Geometry & Calculus II
PHYS	131	General Physics I	PHY	1300/1310	General Physics I/Lab
PHYS	132	General Physics II	PHY	1320/1330	General Physics II/Lab

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

Must be taken at Detroit Mercy	CHM 2300 Organic Chem Lab II	IT1
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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
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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
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Core Integrating Theme 4: Human Difference

ENG 248; GEOG 132, 221; HIST 243; PSY 161, 251, 253	Choose 1 Human Difference course	IT4
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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:

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	