



Bachelor of Science - Biochemistry: Pre-Pharmacy Concentration Transfer Pathway Guide for St. Clair Community College

This is a tool designed to assist SC4 students transferring to the University of Michigan-Flint. This is not a self-advising tool.

	University of Michigan-Flint	St. Clair Community College
√	General Education Requirements	Course Equivalent
	English Composition - 3 credit hours	ENG 101-English Composition I OR MTA satisfies
	English Composition - 3 credit hours	ENG 102- Eng Comp II OR SPC 101- Speech OR MTA satisfies
	Social Science (S) - 6 credit hours	Options at: Transfer.umflint.edu OR MTA satisfies
	Humanities (H) - 6 credit hours	Options at: Transfer.umflint.edu OR MTA satisfies
	Fine Arts (F) - 3 credit hours	Options at: Transfer.umflint.edu OR MTA satisfies
	Mathematics (FQ) - 3 credit hours	MTH 114 - Calculus I OR MTA satisfies
	Natural Science (N/NL)- 4 credit hours w/ lab	BIO 121- Organismal Biology OR MTA satisfies

Add'l credit hours of the student's designation choice are required to complete 30 credit hours. MTA meets this requirement		
Required Program Curriculum		
Technology Foundations	Course Equivalent	
CIT 100: Technology Foundations	Completed at UM-Flint	
Chemistry Core Core	Course Equivalent	
CHM 260 - Principles of Chemistry	CHM 111: General Chemistry I	
CHM 261 - General Chemistry Lab	CHM 111: General Chemistry I	
CHM 262 - Principles of Chemistry II	CHM 112: General Chemistry II	
CHM 263 - Introductory Quantitative Analysis Lab	CHM 112: General Chemistry II	
CHM 310 - Junior Seminar	Completed at UM-Flint	
CHM 330 - Organic Chemistry I	CHM 215: Organic Chemistry I	
CHM 331 - Organic Chemistry Lab I	CHM 215: Organic Chemistry I	
CHM 332 - Organic Chemistry II	CHM 216: Organic Chemistry II	
CHM 333 - Organic Chemistry Lab II	CHM 216: Organic Chemistry II	
CHM 350 - Fundamentals of Biochemistry	Completed at UM-Flint	
CHM 366 - Analytical Chemistry	Completed at UM-Flint	
CHM 367 - Analytical Chemistry Lab	Completed at UM-Flint	
CHM 372 - Green Chemistry	Completed at UM-Flint	
CHM 410 - Senior Seminar in Chemistry	Completed at UM-Flint	
CHM 472 - Inorganic Chemistry	Completed at UM-Flint	
Biology	Course Equivalent	
BIO 113 - Principles of Biology	BIO 120: Cellular and Molecular Biology	
BIO 326 - Cell Biology	Completed at UM-Flint	
BIO 328 - Genetics	Completed at UM-Flint	
Mathematics	Course Equivalent	
MTH 121 - Calculus I	MTH 114 - Calculus I	
MTH 122 - Calculus II	MTH 2150 or MTH 215 - Calculus II	
Physics	Course Equivalent	
PHY 143 - Coll Physics I OR PHY 243 - Prin of Physics I	PHY 121: College Physics I OR PHY 221: Mechanics Heat & Sound	
PHY 145 - Coll Physics II OR PHY 245 - Prin of Physics II	PHY 122: College Physics II OR PHY 222: Elec Light Mod Physics	
Pre-Pharmacy Concentration	Course Equivalent	
BIO 111 - Organismal Biology	BIO 121:Organismal Biology OR BIO 200: Intro Botany & BIO 250: Gen Zoology	
BIO 167 - Human Anatomy & Physiology I	BIO 271: Human Anatomy & Physiology I	
BIO 168 - Human Anatomy & Physiology II	BIO 272: Human Anatomy & Physiology II	
BIO 135 - Microbiology Basics OR BIO 405 - Microbiology	BIO-206 Microbiology OR Completed at UM-Flint	
Lecture AND BIO 406 - Microbiology Lab		
CHM 340 - Physical Chemistry AND CHM 341 - Physical	Completed at UM-Flint	
Chemistry Lab OR CHM 440 - Physical Chemistry II AND		
CHM 443 – Intro to Computational Chemistry 1. The remaining requirements (general education & program requirements)		

The remaining requirements (general education & program requirement curriculum) may be completed through UM-Flint.
Students must earn a min. of 120 college credits (transfer & UM-Flint) and a min. of 30 credit hours at UM-Flint.
Catalog and transfer credits are subject to change annually. Please speak with a UM-Flint representative before taking any additional coursework (810.762.3085, umflint.edu/advising) 1. 2. 3.

To view courses that transfer to UM-Flint, please visit transfer.umflint.edu

For an official evaluation, apply for free at UMFLINT.EDU/APPLY.

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