

Bachelor of Science - Biochemistry: Pre-Pharmacy Concentration

Transfer Pathway Guide for Macomb Community College

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

University of Michigan-Flint		Macomb Community College
✓	General Education Requirements	Course Equivalent
	English Composition - 3 credit hours	ENGL 111 College Rhetoric OR MTA satisfies
	English Composition - 3 credit hours	ENGL 1190- Comp 2 OR ENGL 1220- Comp 2 OR SPCH 1311 Speech OR SPCH 1060- Speech OR SPCH 1010- Intro Com 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	MATH 1760 or MATH 176 - Analytic Geometry & Calculus I OR MTA satisfies
	Natural Science (N/NL)- 4 credit hours w/ lab	CHEM 1170 - General Chemistry I 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	Course Equivalent
	CHM 260- Principles of Chemistry	CHEM 1170 - General Chemistry I
	CHM 261 - General Chemistry Laboratory	CHEM 1170 - General Chemistry I
	CHM 262 - Principles of Chemistry II	CHEM 1180 or 118 - General Chemistry II
	CHM 263 - Intro Quantitative Analysis Lab	CHEM 1180 or 118 - General Chemistry II
	CHM 310 - Junior Seminar	Completed at UM-Flint
	CHM 330 - Organic Chemistry I	CHM 2260 - Organic Chemistry I
	CHM 331 - Organic Chemistry Lab I	CHM 2270 - Organic Chemistry I Lab
	CHM 332 - Organic Chemistry II	CHEM 2280 - Organic Chemistry II
	CHM 333 - Organic Chemistry Lab II	CHEM 2280 - 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	BIOL 1700: General Biology I
	BIO 326 - Cell Biology	Completed at UM-Flint
	BIO 328 - Genetics	Completed at UM-Flint
	Mathematics	Course Equivalent
	MTH 121 - Calculus I	MATH 1760 or MATH 176 - Analytic Geometry & Calculus I
	MTH 122 - Calculus II	MATH 1770 or MTH 177 - Analytic Geometry & Calculus 2
	Physics	Course Equivalent
	PHY 143 - Coll Physics I OR PHY 243 - Prin of Physics I	PHYS 1180 - College Physics I or PHYS 2220 - Analytical Physics I
	PHY 145 - Coll Physics II OR PHY 245 - Prin of Physics II	PHY 1190 - College Physics II or PHY 2230 - Analytical Physics II
	Pre-Pharmacy Concentration	Course Equivalent
	BIO 111 - Organismal Biology	Completed at UM-Flint
	BIO 167 - Human Anatomy & Physiology I	Completed at UM-Flint
	BIO 168 - Human Anatomy & Physiology II	Completed at UM-Flint
	BIO 135 - Microbiology Basics OR BIO 405 - Microbiology Lecture AND BIO 406 - Microbiology Lab	BIOL 2400 - Gen Microbiology or BIOL 2730 - Pathogenic Micro
	CHM 340 - Physical Chemistry AND CHM 341 - Physical Chemistry Lab OR CHM 440 - Physical Chemistry II AND CHM 443 - Intro to Computational Chemistry	Completed at UM-Flint
1. The remaining requirements (general education & program requirement curriculum) may be completed through UM-Flint. 2. Students must earn a min. of 120 college credits (transfer & UM-Flint) and a min. of 30 credit hours at UM-Flint. 3. 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) 4. To view courses that transfer to UM-Flint, please visit transfer.umflint.edu For an official evaluation, apply for free at UMFLINT.EDU/APPLY.		