



Bachelor of Science - Biochemistry: Pre-Pharmacy Concentration

Transfer Pathway Guide for Washtenaw Community College

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

University of Michigan-Flint

Washtenaw Community College

General Education Requirements

Course Equivalent

English Composition - 3 credit hours	ENG 119- English I OR MTA satisfies
English Composition - 3 credit hours	ENG 120- English II OR SPH 101- Speech OR SPH 100- Interpersonal 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	MAT 171 - Analytic Geometry & Cal I OR MTA satisfies
Natural Science (N/NL)- 4 credit hours w/ lab	CHM 136 - 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
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Chemistry Core

Course Equivalent

CHM 260- Principles of Chemistry	CHM 136 - General Chemistry I
CHM 261 - General Chemistry Laboratory	CHM 136 - General Chemistry I
CHM 262 - Principles of Chemistry II	CHM 145 General Chemistry II w/Lab
CHM 263 - Intro Quantitative Analysis Lab	CHM 145 General Chemistry II w/Lab
CHM 310 - Junior Seminar	Completed at UM-Flint
CHM 330 - Organic Chemistry I	CHM 250: Organic Chemistry I
CHM 331 - Organic Chemistry Lab I	CHM 250: Organic Chemistry I
CHM 332 - Organic Chemistry II	CHM 252: Organic Chemistry II
CHM 333 - Organic Chemistry Lab II	CHM 252: 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 155 - Introductory Biology
BIO 326 - Cell Biology	Completed at UM-Flint
BIO 328 - Genetics	Completed at UM-Flint

Mathematics

Course Equivalent

MTH 121 - Calculus I	MAT 171 - Analytic Geometry & Cal I
MTH 122 - Calculus II	MAT 172 - Analytic Geometry & Cal II

Physics

Course Equivalent

PHY 143- College Physics I OR PHY 243 - Prin Physics I	PHY 235 General Physics I OR PHY 265: Physics for Scientists and Engineers I
PHY 145- College Physics II OR PHY 245 - Prin Physics II	PHY 245 General Physics II OR PHY 275: Physics for Scientists and Engineers II

Pre-Pharmacy Concentration

Course Equivalent

BIO 111 - Organismal Biology	BIO 100 - General Biology OR BIO 105 - Introductory Bio
BIO 167 - Human Anatomy & Physiology I	BIO 240: Human Anatomy and Physiology I
BIO 168 - Human Anatomy & Physiology II	BIO 252: Human Anatomy and Physiology II
BIO 135 - Microbiology Basics OR BIO 405 - Microbiology Lecture AND BIO 406 - Microbiology Lab	BIO 295: Microbiology OR Completed at UM-Flint
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

- 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](#))
- To view courses that transfer to UM-Flint, please visit [transfer.umflint.edu](#)

For an official evaluation, apply for free at [UMFLINT.EDU/APPLY](#).