



## Bachelor of Science in Mathematics (MTH)

### Transfer Pathway Guide for Lansing Community College

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

#### University of Michigan-Flint

#### Lansing Community College

##### General Education Requirements

##### Course Equivalent

English Composition - 3 credit hours	ENGL 121 Comp I OR ENGL 131 Honors Comp I OR MTA satisfies
English Composition - 3 credit hours	ENGL 122 Comp II OR ENGL 132 Honors Comp II OR MTA satisfies
Social Science (S) - 6 credit hours	Options at: <a href="https://www.umflint.edu/cit/cybersecurity/">Transfer.umflint.edu</a> OR MTA satisfies
Humanities (H) - 6 credit hours	Options at: <a href="https://www.umflint.edu/cit/cybersecurity/">Transfer.umflint.edu</a> OR MTA satisfies
Fine Arts (F) - 3 credit hours	Options at: <a href="https://www.umflint.edu/cit/cybersecurity/">Transfer.umflint.edu</a> OR MTA satisfies
Mathematics - 3 credit hours	MATH 151 Calculus I OR MTA satisfies
Natural Science (N/NL) - 4 credit hours w/ lab	PHYS 251 Physics I with Calculus 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

##### Prerequisites

##### Course Equivalent

CIT 100: Technology Foundations	Completed at UM-Flint
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##### Foundational Mathematics (16 credits)

MTH 122: Calculus II	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> MATH 152: Calculus II
MTH 220: Elementary Linear Algebra	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> MATH 260: Linear Algebra
MTH 222: Multivariate Calculus	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> MATH 253: Calculus III
MTH 230: Introduction to Discrete Structures	CPSC 260: Computer Science Structures
	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a>

##### Advanced Mathematics (32 credits)

MTH 301 or MTH 372	Completed at UM-Flint
MTH 328 or MTH 329	Completed at UM-Flint
MTH 333 or MTH 357	Completed at UM-Flint
MTH 456 or MTH 470	Completed at UM-Flint
At least 16 additional credits in MTH courses numbered 300 or higher	MATH 254: Intro to Differential Equations (4 credits) Completed at UM-Flint (12 credits)

##### Computer Science (8 credits)

CSC 175: Problem Solving and Programming I	CPSC 230: Algorithm & Computing w/C++ <a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a>
CSC 275: Problem Solving and Programming II	CPSC 231: Computing & Data Structures <a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a>
	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a>

##### Programming Foundations (8 credits) Physics (10 credits)

PHY 243: Principles of Physics I	PHYS 251: Physics I with Calculus
PHY 245: Principles of Physics II	PHYS 252: Physics II with Calculus

<https://www.umflint.edu/cit/cybersecurity/>

##### Capstone Experience (4 credits)

MTH 402: Mathematics Capstone Course	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> Completed at UM-Flint
	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a>

1. Remaining requirements (general education & program requirement curriculum) may be completed through UM-Flint.
2. Students must earn a min. of 124 college credits (transfer & UM-Flint); a min. of 30 credit hours & the last 30 credits at UM-Flint
3. Catalog and transfer credit are subject to change annually. Please speak with an UM-Flint representative before taking any additional coursework (810.762.3361 or <https://go.umflint.edu/vucv5>)
4. To view courses that transfer to UM-Flint, please visit [transfer.umflint.edu](https://www.umflint.edu/cit/cybersecurity/)

For an official evaluation, apply for free at [UMFLINT.EDU/APPLY](https://www.umflint.edu/cit/cybersecurity/).