



## Bachelor of Science in Computer Science (CSC)

### 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	Options at: <a href="https://www.umflint.edu/cit/cybersecurity/">Transfer.umflint.edu</a> 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
CSC 137: Fundamentals of Unix/Linux Systems	CITN 230: Linus Operating System
CYB 101: Security Fundamentals I	CITN 280: Security Fundamentals I

##### Core Courses (44 credits)

CIS 314: Computer Ethics	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> Completed at UM-Flint
CSC 310: Human-Computer Interaction	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> Completed at UM-Flint
CSC 335: Computer Networks I	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> Completed at UM-Flint
CSC 365: Computer Architecture	Completed at UM-Flint
CSC 375: Data Structures	Completed at UM-Flint
CSC 377: Operating Systems	Completed at UM-Flint
CSC 379: Algorithm Analysis	Completed at UM-Flint
CSC 381: Introduction to the Theory of Computation	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> Completed at UM-Flint
CSC 384: Database Design	Completed at UM-Flint
CSC 478: Parallel and Distributed Processing	Completed at UM-Flint
SWE 380: Software Engineering	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> Completed at UM-Flint

##### Advanced Mathematics (15 credits)

##### Computing Foundations (15 credits)

	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a>
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##### Programming Foundations (8 credits)

CSC 175: Problem Solving and Programming I	CPSC 230: Algorithms and Computing w/C++
CSC 275: Problem Solving and Programming II	CPSC 231: Computing & Data Structures

##### Mathematics (16 credits)

MTH 121: Calculus I	MATH 151: Calculus I
MTH 122: Calculus II	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> MATH 152: Calculus II
MTH 272: Applied Statistics and Data I	STAT 215: Intro to Probability and Stats
MTH 230 or CSC 230 : Introduction to Discrete Structures	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a> CPSC 260: Computer Science Structures

##### Statistics (3 credits) Choose 1 from:

##### Electives (9 credits) Choose 3 from:

At least 12 additional credits in CIS, CIT, CSC, CYB, ITI, and/or SWE courses at the 300 level or above.

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

##### Capstone Experience (6 8 credits)

CIT 480: Technology Capstone I	<a href="https://www.umflint.edu/cit/cybersecurity/">https://www.umflint.edu/cit/cybersecurity/</a>
CIT 485: Technology Capstone II	<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://transfer.umflint.edu)

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