



Bachelor of Science: Data Science Program

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 ENGL 131 Honors Comp I OR MTA satisfies
English Composition (Comp) - 3 credit hours	ENGL 122 Comp II OR ENGL 132 Honors Comp II OR Sm Group Comm OR Fund. Public SPK 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 151: Calculus I OR MTA satisfies
Natural Science (N/NL)- 4 credit hours w/ lab	Options at: Transfer.umflint.edu 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 122 - Introduction to Programming	CISB 114 - Programming Logic or CITP 110 - Intro to Computer Programming
CSC 137 - Fundamentals of UNIX/Linux Systems	Completed at UM-Flint
CYB 101 - Security Fundamentals	CITN 280 - IT Security Foundations

Programming Foundations

Course Equivalent

CSC 175 - Problem Solving and Programming I OR CSC 176 - Problem Solving and Programming I in Java OR CSC 179 - Problem Solving and Programming I in Python	CITP 190: Intro to Programming in JAVA OR CPSC 230: Algorithms and Computing w/C++ OR CISB 281: Visual C++ Programming
CSC 275 - Problem Solving and Programming II OR CSC 276 Problem Solving and Programming II in JAVA OR CSC 279- Problem Solving and Programming II in Python	CPSC 231: Comp & Data Struc OR CITP 290: Adv JAVA Programming

Core Courses

Course Equivalent

CIS 314 - Computer Ethics	Completed at UM-Flint
CSC 375 - Data Structures	Completed at UM-Flint
CSC 384 - Database Design	Completed at UM-Flint
CSC 430 - Information Storage and Retrieval	Completed at UM-Flint
CSC 446 - Artificial Intelligence	Completed at UM-Flint
DSC 402 - Introduction to Data Visualization	Completed at UM-Flint
DSC 411 - Data Mining Algorithms and Applications	Completed at UM-Flint
MTH 272- App. Statistics & Data OR MTH 372-Probability	Completed at UM-Flint
MTH 370- App. Stats & Data II OR MTH 375 - Math Statis	Completed at UM-Flint
MTH 306 - Introduction to Data Science	Completed at UM-Flint

Mathematics

Course Equivalent

MTH 121 - Calculus I	MATH 151: Calculus I
MTH 122 - Calculus II	MATH 152: Calculus II

Track of Choice (16 credits)

Course Equivalent

Quantitative Track	MATH 253 Calc III OR MTH 216 An GEO & Calc IV AND Completed at UM-Flint
Computational Track	Completed at UM-Flint

Internship

Course Equivalent

CIT 401 - Technology Internship (3 credits)	Completed at UM-Flint
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Capstone

Course Equivalent

CIT 480: Technology Capstone I	Completed at UM-Flint
CIT 485: Technology Capstone II	Completed at UM-Flint

- All requirements of the College of Innovation and Technology Bachelor of Science degree, including UM-Flint [graduation requirements](#) and [General Education requirements](#).
- Students must earn a min. of 120 college credits (transfer & UM-Flint); a min. of 30 credit hours at UM-Flint
- 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>) To view courses that transfer to UM-Flint, please visit transfer.umflint.edu

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