



Bachelor of Science - Computer Science

Transfer Pathway Guide for Oakland Community College

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

University of Michigan-Flint		Oakland Community College
✓	General Education Requirements	Course Equivalent
	English Composition - 3 credit hours	ENG 1510 Composition I OR MTA satisfies
	English Composition (Comp) - 3 credit hours	ENG 1520 Comp I OR COM 1290 Interpersonal Comm OR COM 1600 Fund of Speech 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
	Mathematics (FQ) - 3 credit hours	MAT 1730: 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 137: Fundamentals of Unix/Linux Systems	Completed at UM-Flint
	CYB 101: Security Fundamentals I	CIS 1600: Fundamentals of Cybersecurity
	Programming Foundations	Course Equivalent
	CSC 175: Problem Solving and Programming I	CIS 1500- Intro to Programming: Java OR CIS 2252- Object-Oriented Programming OR CIS 2757- C# Programming
	CSC 275: Problem Solving & Programming II OR CSC 276: Problem Solving and Programming II in Java OR CSC 279: Problem Solving and Programming II in Python	CIS 1440: Javascript Programming for Windows
	Core Courses	Course Equivalent
	CIS 314: Computer Ethics	Completed at UM-Flint
	CSC 310: Human-Computer Interaction	Completed at UM-Flint
	CSC 335: Computer Networks I	Completed at UM-Flint
	CSC 365: Computer Architecture	Completed at UM-Flint
	CSC 375: Data Structures	CIS 2353: Data Structures
	CSC 377: Operating Systems	Completed at UM-Flint
	CSC 379: Algorithm Analysis	Completed at UM-Flint
	CSC 381: Introduction to the Theory of Computation	Completed at UM-Flint
	CSC 384: Database Design	CIS 2515: Database Design and Management Oracle
	CSC 478: Parallel and Distributed Processing	Completed at UM-Flint
	SWE 380: Software Engineering	Completed at UM-Flint
	Mathematics	Course Equivalent
	MTH 121: Calculus I	MAT 1730: Calculus I OR MAT 1710: Analytic Geometry/ Calculus I
	MTH 122: Calculus II	MAT 1740: Calculus II
	MTH 272: Applied Statistics and Data I (4)	Completed at UM-Flint
	CSC 230/MTH 230 - Introduction to Discrete Structures	Completed at UM-Flint
	Capstone Experience	Course Equivalent
	CIT 480: Technology Capstone I	Completed at UM-Flint
	CIT 485: Technology Capstone II	Completed at UM-Flint
	Concentrations of Choice	Course Equivalent
	Select from Artificial Intelligence, Cybersecurity, Software Engineering, or General -At least twelve additional credits in the concentration at the 300 level or above to be selected with faculty and professional advisors	Completed at UM-Flint
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 UM-Flint credit hours. 3. Catalog and transfer credit are subject to change annually. Please speak with an 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 .		