

Bachelors of Science in Computer Science

Program Requirements and Transfer Equivalencies

UM Flint	Lansing Community College
First Year Experience (FYE): UNV 100	Required if transferring with fewer than 25 credits
English Composition: ENG 111 and ENG 112	ENGL 121 and ENGL 122 WRIT 121 and WRIT 122
Social Science (S): 6 credit hours	SOCL 120 or GEOG 200, or COMM 120
Humanities (H): 6 credit hours	3- credits from CIS 314 Cyberethics (program requirement taken at UM-Flint). Many options for the additional credits. Select 3 credits with an 'H' attribute from UM-Flint's transfer equivalency database.
Global Studies (GS): 3 credit hours	CHIN 121, 122, FREN 121, 122, GRMN 121, 122, POLS 260,270, RELG 241,242, SPAN 121, 122, or taken at UM Flint.
Fine Arts (F): 3 credit hours	Many options. Select 3 credits with an 'F' attribute from UM-Flint's transfer equivalency database.
Health and Well Being (HW): 3 credit hours	ANAT 151 and 152, ANAT 201 and 202, PHGY 202, PSYC 175, 240, 250 or taken at UM Flint.
Finance and Quantitative Literacy (FQ): 3 credit hours	MATH 141
Natural Science (NL/NL): 4 credit hours with lab	PHYS 251
Technology (T): 3 credit hours	CPSC 230
Capstone (CAP): 3 credit hours	Completed at UM Flint

BS CSC Program Requirements

Course Equivalent

Mathematics

Course #	Title	CR	Course #	Title
MTH 120	College Algebra	3	MATH 151	Calculus I
MTH 121	Calculus I	4	MATH 141	Calculus with Application
MTH 122	Calculus II	4	MATH 152	Calculus II
MTH 230	Discrete Math	3	CPSC 260	Computer Science Structures
MTH 370	Probability with Statistical Applications	3	N/A	

Physics

Course #	Title	CR	Course #	Title
PHY 143 Or PHY 243	College Physics I Principles of Physics I	4 5	N/A PHYS 251	N/A Physics I with Calculus
PHY 145 Or PHY 245	College Physics II Principles of Physics II	4 5	N/A PHYS 252	N/A Physics II with Calculus

Foundations of Programming: ten (10) credits of which the following may transfer

Course #	Title	CR	Course #	Title
CSC 122	Introduction to Programming (Python)	3	CPSC 227	Algorithms and Computing w/Python
CSC 175	Problem Solving and Programming I	4	CPSC 230	Algorithms and Computing w/C++
One from: CSC 275 Or CSC 276	Problem Solving and Programming II	4	CPSC 231	Computing and Data Structures
	Problem Solving and Programming II with Java	4		

Core Courses: twenty-eight (28) credits of which the following may transfer

Course #	Title	CR	Course #	Title
CSC 127	Using a UNIX Computer	1	N/A	
CSC 267	Digital Logic & Assembly Language	3	N/A	
CIS 314	Computer Ethics	3	N/A	
CSC 325	Object-oriented Applications Program Experience	3	N/A	
CSC 335	Computer Networking	3	N/A	
CSC 365	Computer Architecture	3	N/A	
CSC 370	Introduction to Information Security	3	N/A	
CSC 377	Operating Systems	3	N/A	
CSC 379	Algorithm Analysis	3	N/A	
CSC 381	Intro. To Theory of Computation	3	N/A	
CSC 382	Software Engineering	3	N/A	
CSC 383	Project Management	3	N/A	
CSC 384	Database Design	3	N/A	