

Bachelors of Science in Computer Information Systems

Program Requirements and Transfer Equivalencies

UM Flint		Mott Community College		
General Education Requirements		Course Equivalent		
First Year Experience (FYE): UNV 100		Required if transferring with fewer than 25 credits		
English Composition: ENG 111 and ENG 112		ENGL 101 and ENGL 102		
Social Science (S): 6 credit hours		ECON 221 and ECON 222		
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		ANTH 200, ARBC 111, 112, CHI. 111, 112, FREN 151, 152, GERM 111, 112, MUS. 183, PHIL 251, PSCN 275, SPAN 181, 182, 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		BIOL 151 and 152, CASD 123 (only 2 credits), HEAL 110, PSYC 309, SOCY 194, or taken at UM Flint.		
Finance and Quantitative Literacy (FQ): 3 credit hours		MATH 165		
Natural Science (NL/NL): 4 credit hours with lab		Many options. Select 4 credits with an 'N/NL' attribute from UM-Flint's transfer equivalency database.		
Technology (T): 3 credit hours		COMS 171		
Capstone (CAP): 3 credit hours		Completed at UM Flint		
BS CIS Program Prerequisites		CR	Course Equivalent	
Course #	Title		Course #	Title
CIS 128 or	Introduction to Computer Information Systems	3	COMG-153	Computers-A Practical Approach
CIS 151 and CIS 152	Spreadsheet Software and Database Management Software	2 2	COMO 180 COMO 130	Microsoft EXCEL Microsoft ACCESS
CIS 263	Introduction to Web Design	3	COMW 100	Introduction to Web Page Creation

BS CIS Program Requirements		CR	Course Equivalent	
Course #	Title		Course #	Title
Mathematics				
MTH 111	College Algebra	3	MATH 130	College Algebra
MTH 118	Calculus for Management and Social Sciences	4	MATH 165	Applied Calculus
Foundations of Programming: ten (10) credits of which the following may transfer				
One from: CIS 170 or CIS 173	COBOL Programming	3	N/A	
	Visual BASIC for Windows	3	COMS 176	Introduction to Visual BASIC
CSC 175	Problem Solving and Programming I	4	COMS 171	Introduction to C++
One from: CSC 275 or CSC 276	Problem Solving and Programming II	4	COMS 280	Advanced Programming in C++
	Problem Solving and Programming II in Java	4	COMS 270	Advanced Java
Core Courses: twenty-eight (28) credits of which the following may transfer				
CSC 127	Using a UNIX Computer	1	COMS 130	Intro to Linux Administration
CIS 200	Foundations of Information Systems	3	COMI 160	Intro to Computer Information Systems
CIS 250	Fundamentals of Systems Analysis and Design	3	COMI 264	Systems Analysis and Design
CSC 335	Computer Networking	3	COMN 128	Introduction to Wireless Networks
			and COMN 152	Routing Protocol/Networking Fundamentals
CSC 384	Database design	3	COMI 261	Database Concepts
Business Courses: fifteen (15) credits of which the following may transfer				
Economics				
ECN 201	Macroeconomics	3	ECON 221	Macroeconomics
ECN 202	Microeconomics	3	ECON 222	Microeconomics
SCM 211	Business Statistics	3	MATH 150	Probability and Statistics
Electives: twelve (12) credits of which the following may transfer				
CIS 363	Advanced Web Applications	3	COMW 282	Dynamic Web Applications