



**TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS**

**NTC Program: IT - Software Developer**

**Minnesota State University Moorhead Program: Operations Management**

**Minimum GPA for admission: 2.0**

**Initial effective date:**

**General Education Courses**

NTC			MSU Moorhead		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-801-196	Oral/Interpersonal Communications	3		COMM 100 Speech Communication	3
10-801-195	Written Communication OR	3		Goal Area 1	3
10-801-136	English Composition 1				
10-804-189	Introductory Statistics	3		Goal Area 4	3
10-809-199	Psychology of Human Relations <u>OR</u>	3		PSY 220 Social Behavior OR	3
10-809-198	Intro to Psychology			PSY 113 General Psychology	
10-804-133	Math & Logic	3		Goal Area 4	3
10-809-166	Intro to Ethics: Theory & App	3		Goal Area 9	3
<b>Total general education credits earned:</b>		<b>18</b>			
Total transferable general education credits:		18		<b>Total general education credits accepted:</b>	<b>18</b>

**Occupational Courses**

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-152-551	Web Design 1A	1			
10-152-552	Web Design 1B	1			
10-152-553	Web Design 1C	1			
10-152-331	Data Concepts	3			
10-152-500	IT Development and Design Fundamentals	1			
10-152-501	Programming Concepts A	1			
10-152-502	Programming Concepts B	1			
10-152-503	Programming Concepts C	1			
10-152-223	User Experience Design	3			
10-152-332	Database Design and SQL	3			
10-152-391	Collaborative Application Development	3			
10-152-504	Object - Oriented Programming A	1			
10-152-505	Object - Oriented Programming B	1			
10-152-506	Object - Oriented Programming C	1			
10-152-310	Client-Side Web Development 1	3			
10-152-333	Advanced Data Management	3			
10-152-392	Software Architecture	3			
Technical credits accepted in transfer as a block. Additional credits will be accepted as unrestricted elective credits.					30 + 16

10-152-507	Object - Oriented Design A	1		
10-152-508	Object - Oriented Design B	1		
10-152-509	Object - Oriented Design C	1		
10-152-351	Client-Side Web Development 2	3		
10-152-393	Application Development Capstone Project	3		
10-152-510	Advanced .Net Programming A	1		
10-152-511	Advanced .Net Programming B	1		
10-152-512	Advanced .Net Programming C	1		
10-152-362	Open-Source Web Development <u>OR</u>			
10-152-337	Data Analytics	3		
	<b>Total occupational course credits earned:</b>	<b>46</b>		<b>Total occupational course credits accepted: 46</b>
	<b>Elective credits allowed:</b>			<b>Elective credits allowed:</b>
	<b>Total credits required for graduation:</b>	<b>64</b>		
	<b>Total transferable credits:</b>	<b>64</b>		<b>Total credits accepted at MSU Moorhead: 61</b>

***Courses needed to complete degree at MSU Moorhead:***

Course No.	Course Title	Credits
	MnTC/ Gen Ed remaining credits to complete LASC*	18
	MATH 127 College Algebra (Goal Area 4)	3
	MATH 234 Probability & Statistics (Goal Area 4)	3
	ECON 202 Principles of Economics (Goal Area 5)	3
	ACCT 230 Principles of Accounting I	3
	MGMT 260 Principles of Management	3
	OM 380 Methods Improvement	3
	OM 393 Occupational Safety & Health	3
	OM 395 Computer Applications for Technologists	3
	OM 482 Planning and Implementation	3
	OM 483 Cost Analysis	3
	OM 470 Purchasing & Sourcing Management	3
	OM 485 Production Inventory Management	3
	PMGT 300 Project Management & Scheduling	3
	PMGT 385 Process Leadership	3
	OM 469 Internship**	3
	<b>Total credits needed at MSU Moorhead to complete degree:</b>	<b>63</b>

Disclaimer: Students planning to transfer should contact NTC's Transfer Specialist and transfer personnel at MSU Moorhead for the most current transfer information.

Updated on: 01/07/20