Northcentral TECHNICAL COLLEGE

TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS
NTC Program: IT - Software Developer
MSUM Program: Operations Management: Technical Management BS
Minimum GPA for admission: 2.0
Initial effective date:

General Education Courses

NTC			MSUM		
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 1B	3
10-801-136	English Composition 1		ENGL 101	English Composition I	
10-804-189	Introductory Statistics	3	MATH 234	Introduction to Probability & Statistics	3
10-809-199	Psychology of Human Relations OR	3	PSY 220	Social Behavior	3
10-809-198	Intro to Psychology		PSY 113	General Psychology	
10-809-166	Intro to Ethics: Theory & App	3		Goal Area 9	3
10-804-133	Math & Logic	3		Goal Area 4	3
10-890-165	College 101	1			
	Total general education credits earned:	**19**			
	Total transferable general education credits:	18		**Total general education credits accepted:**	**18**

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			
10-152-531	Data Concepts A	1			
10-152-532	Data Concepts B	1			
10-152-533	Data Concepts C	1			
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			
10-152-534	Database Design and SQL A	1			
10-152-535	Database Design and SQL B	1			
10-152-536	Database Design and SQL C	1			
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				
10-152-561	Client-Side Web Development 1 A	1		Technical credits accepted in transfer as block. Additional credits will be accepted as unrestricted elective credits.	30+16	
10-152-562	Client-Side Web Development 1 B	1				
10-152-563	Client-Side Web Development 1 C	1				
10-152-383	Mobile Programming OR	3				
10-152-570	Advanced Data Management A 1credit					
10-152-571	Advanced Data Management B 1credit					
10-152-572	Advanced Data Management C 1credit					
10-152-392	Software Architecture	3				
10-152-507	Object - Oriented Design A	1				
10-152-508	Object - Oriented Design B	1				
10-152-509	Object - Oriented Design C	1				
10-152-564	Client-Side Web Development 2 A	1				
10-152-565	Client-Side Web Development 2 B	1				
10-152-566	Client-Side Web Development 2 C	1				
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				
10-152-567	Open-Source Web Development A	3				
10-152-568	Open-Source Web Development B					
10-152-569	Open-Source Web Development C					
	Total occupational course credits earned:	**46**		**Total occupational course credits accepted:**	**46**	
	Elective credits allowed:			**Elective credits allowed:**		
	Total credits required for graduation:	**65**				
	Total transferable credits:	**64**		**Total credits accepted at MSUM:**	**64**	

Courses needed to complete degree at MSUM:

Course No.	Course Title	Credits
	MnTC/ Gen Ed Goal Area (LASC) *	22
ACCT 230	Principles of Accounting I	3
OM 470	Purchasing & Sourcing Management	3
MGMT 260	Principles of Management	3
OM 380	Methods Improvement	3
OM 393	Occupational Safety & Health	3
OM 483	Cost Analysis	3
OM 395	Computer Applications for Technologists	3

OM 469	Internship	3
OM 482	Quality Management	3
OM 485	Production Inventory Management	3
PMGT 385	Process Leadership	3
PMGT 300	Project Management and Scheduling	3
MATH 127	*College Algebra*	*3*
MATH 234	*Introduction to Probability & Statistics*	*0-3*
ECON 202	*Principles of Economics I: Micro*	*3*
	*These courses are required, but may also count toward LASC	
Total credits needed at (college) to complete degree:		**58**

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

UPDATED 8/3/23