



**TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS**

**NTC Program: Welding Fabrication & Robotics**

**MN State Moorhead Program: Operations Management**

**Minimum GPA for admission:**

**Initial effective date:**

**General Education Courses**

NTC			MSU Moorhead		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-804-107	College Math	3		NA	0
10-801-196	Oral/Interpersonal Communication	3		COMM 100 Speech Communication	3
10-801-195	Written Communication <u>OR</u>	3		Goal Area 1B <u>OR</u>	3
10-801-136	English Composition 1			ENGLISH 101 English Composition I	
10-809-199	Psychology of Human Relations <u>OR</u>	3		PSY 220 Social Behavior <u>OR</u>	3
10-809-198	Intro to Psychology			PSY 113 General Psychology	
10-809-172	Intro to Diversity Studies	3		Goal Area 7	3
10-801-197	Technical Reporting	3		NA	0
<b>Total general education credits earned:</b>		<b>18</b>			
Total transferable general education credits:			<b>Total general education credits accepted:</b>		<b>12</b>

**Occupational Courses**

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-442-101	Introduction to Welding	2			
10-442-112	Welding Print Reading	2			
10-442-158	Shielded Metal ARC Welding	2			
10-442-159	Gas Metal ARC Welding	3			
10-442-172	Safety In Manufacturing	1			
10-442-173	Thermal Cutting	1			
10-442-174	Advanced Gas Metal ARC Welding	3			
10-442-175	Welding Metal Forming 1	1			
10-442-176	Welding Metal Forming 2	1			
10-442-163	Weld Inspections & Testing	1			
10-442-111	Intro to Welding CNC Applications	1			
10-442-113	Welding Fabrication Techniques	3			
10-442-160	Flux Cored ARC Welding	3			
10-442-161	Gas Tungsten ARC Welding	5			
10-420-101	Introduction to Machine Shop	2			
10-442-140	Layout & Welding Fabrication 1	2			
10-442-141	Robotic Welding Applications 1	2			
				Technical credits accepted in transfer as a block. Additional credits will be accepted as unrestricted elective credits.	30 + 14

10-442-142	Welding Laser Programming	1		
10-442-143	Layout & Welding Fabrication 2	2		
10-442-144	Robotic Welding Applications 2	2		
10-442-145	Welding Laser Operations	1		
10-442-165	Welding Metallurgy	1		
10-606-133	SolidWorks 1	1		
10-442-179	SolidWorks for Welders	1		
	<b>Total occupational course credits earned:</b>	<b>44</b>		<b>Total occupational course credits accepted: 44</b>
	<b>Total program credits:</b>	<b>62</b>		
	<b>Total transferable credits:</b>	<b>56</b>		<b>Total credits accepted at MSU Moorhead: 56</b>

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

Course No.	Course Title	Credits
	Remaining MnTC/ LASC Goal Requirements*	30
	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 470 Purchasing & Sourcing Management	3
	OM 482 Quality Planning & Implementation	3
	OM 483 Cost Analysis	3
	OM 485 Production & Inventory Management	3
	OM 469 Internship	3
	PMGT 300 Project Management & Scheduling	3
	PMGT 385 Process Leadership	3
*MATH 127	College Algebra	0 - 3
*MATH 234	Intro to Probability & Statistics	3
*ECON 202	Principles of Economics I: Micro	3
	*These courses are required, but may also count toward LASC	
	<b>Total credits needed at MSU Moorhead to complete degree:</b>	<b>66</b>

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

Updated on: 7/22/19