

## 50-420-1 - Injection Mold Set-Up (Plastic) Apprentice

## 2026-27 Required Courses Northwood Technical College New Richmond

Name/ID:	Date:	

Catalog Number	Course Title	Total Hours	Credits	Notes	Date Completed	Transfer or Grade
	First Term					
50463713	Schematics for Apprentices	36	1			
50804504	Industrial Math I	36	1			
	First Term Total		2			
	Second Term					
50463714	Introduction to Injection Molding	72	2			
	Second Term Total		2			
	Third Term					
50413701	Fundamentals of Electricity for Apprentices	36	1			
50664719	Applied Automation for Injection Mold Setup	36	1			
	Third Term Total		2			
	Fourth Term					
50463715	Injection Mold Design	72	2			
	Fourth Term Total		2			
	Fifth Term					
50419503	Hydraulics and Pneumatics for Apprentices	36	1			
50420760	Quality Concepts for Injection Mold Setup-Plastics	36	1			
	Fifth Term Total		2			
	Sixth Term					
50463716	Fundamentals of Plastics Processing	72	2			
	Sixth Term Total		2			
	Seventh Term					
50463717	Plastic Process Design & Troubleshooting	72	2			
	Seventh Term Total		2			
	Eighth Term					
50664718	Automation for Apprentices	72	2			
	Eighth Term Total		2			
	Hours Total	576				
	Total Credits		16			

The 47455455 Transition to Trainer course (8 hours) is required for completion. Will be taken in the last year of the apprenticeship.

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