

CNC Milling One-Year Certificate

						Student Learning Hours in Related Instruction:			
Subject Code & Course Number	Title	Type	Credits	Hours	Computation	Communication	Human Relation	Total RI	
MCH 272	Mastercam Level I	Embedded	5	150	5	30		35	
MCH 280	Cooperative Education: Machine Technology	Embedded	4	120	10	15		25	
MCH 130	Machine Shop Trigonometry	Embedded	2.5	60	65	10		75	
MCH 120	Machine Shop Math	Embedded	2	60	60			60	
MSD 115	Improving Work Relations	Stand-Alone	3	90			90	90	
Totals			16.5	480	140	55	90	285	
Minimum for certificate					48	48	48	240	

CNC Turning One-Year Certificate

						Student Learning Hours in Related Instruction:			
Subject Code & Course Number	Title	Type	Credits	Hours	Computation	Communication	Human Relation	Total RI	
MCH 130	Machine Shop Trigonometry	Embedded	2.5	60	65	10		75	
MCH 280	Cooperative Education: Machine Technology	Embedded	4	120	10	15		25	
MCH 259	CNC Programming-Lathe	Embedded	5	150	30	30		60	
MCH 120	Machine Shop Math	Embedded	2	60	60			60	
MSD 115	Improving Work Relations	Stand-Alone	3	90			90	90	
Totals			16.5	480	165	55	90	310	
Minimum for certificate					48	48	48	240	

Manual Machining One-Year Certificate

					Student Learning Hours in Related Instruction:			
Subject Code & Course Number	Title	Type	Credits	Hours	Computation	Communication	Human Relation	Total RI
MCH 120	Machine Shop Math	Embedded	2	60	60			60
MCH 280	Cooperative Education: Machine Technology	Embedded	4	120	10	15		25
MCH 130	Machine Shop Trigonometry	Embedded	2.5	75	65	10		75
MSD 115	Improving Work Relations	Stand-Alone	3	90			90	90
MCH 100	Machine Tool Basics	Embedded	1	30		5		5
MCH 105	Blueprint Reading I	Embedded	1.5	45		6		6
MCH 110	Blueprint Reading II	Embedded	1.5	45		6		6
MCH 121	Manufacturing Processes I	Embedded	4	120		10		10
Totals			19.5	585	135	52	90	277
Minimum for certificate					48	48	48	240

12.2014