

**Course # Course Name Units**

**REQUIRED COURSES BY YOUR O\*NET / JOB CLASSIFICATION**

SANTA ROSA JUNIOR COLLEGE		
		<b>29</b>
IED 90A	Technical Mathematics	3
MACH 51A	Beginning Machine Tool	2
MACH 51B	Advanced Machine Tool	2
MACH 52	Blueprint Reading for Mach	3
MACH 53	Metrology	4
MACH 61.1	Ferrous & Non-Ferrous	5
MACH 61.2	(one course in Spring 17)	
MACH 80A	CNC Lathe / MasterCAM	5
MACH 80B	CNC Mill / MasterCAM	5

Man Machinist	CNC Machinist	Tool&Die	Mold Maker	CNC Technician	Maint Machinist
All Job Classifications:		You must either: take this Course, OR Test Out of It			
required	required	required	required	required	required
required	optional	required	optional		
required	required	required	required	required	required
required	required	required	required		required
required	required	required	required	required	additional courses TO BE ASSIGNED check w/ CTMAA
optional	required	optional	required	required	
optional	required	optional	required		

LANEY COLLEGE		
		<b>30</b>
MATH 221	Technical Mathematics	4
MACH 205	Drawings for Machinists	3
MACH 210	Machine Technology I	5
MACH 220	Machine Technology II	5
MACH 230	Mach III (Manual/ Tool & Die)	5
MACH 20	CAD with SolidWorks	4
MACH 30	CAD/CAM Technology	4
MACH 31	CAD/CAM Technology II	4

Man Machinist	CNC Machinist	Tool&Die	Mold Maker	CNC Technician	Maint Machinist
All Job Classifications:		You must either: take this Course, OR Test Out of It			
required	required	required	required	required	required
required	required	required	required	required	required
required	required	required	required		
required	optional	required	optional		
optional	required	optional	required	required	additional courses TO BE ASSIGNED check w/ CTMAA
optional	required	optional	required		
optional	required	optional	required		

DEANZA COLLEGE		
		<b>32</b>
DMT 90	Print Reading	5
DMT 80	Intro Manual Machining	5
DMT 84A	Intro (CNC)	5
DMT 84B	(CNC) Lathe, Adv. Mill	5
DMT 95	Manufacturing Materials	4
DMT 87A-E*	CAD/CAM Mastercam	5

Man Machinist	CNC Machinist	Tool&Die	Mold Maker	CNC Technician	Maint Machinist
required	required	required	required	required	required
required	required	required	required	required	required
required	required	required	required	required	
optional	required	optional	required		
required	required	required	required		additional courses TO BE ASSIGNED
optional	required	optional	required		

DMT 92	Applied GD&T; (CMM)	3
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required	required	required	required		ASSIGNED check w/ CTMAA
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DIABLO VALLEY COLLEGE		23
ENGTC-111	Mathematics for Technicians	3
ENGTC-119	Intro Technical Drawing	3
ENGTC-165	Machining I	3
ENGTC-166	Machining II	3
ENGTC -129	Design I Using Solidworks	3
ENGTC-160	Intro to Industrial and ME	3
ENGTC-168	Intro to CNC	3
ENGTC-162	GD&T	1
CAM	#31 at Laney or 76D Deanza	4

Man Machinist	CNC Machinist	Tool&Die	Mold Maker	CNC Technician	Maint Machinist
All Job Classifications:		You must either: take this Course, OR Test Out of It			
required	required	required	required	required	required
required	required	required	required	required	required
required	optional	required	optional		
optional	required	optional	required		
required	required	required	required	required	additional courses TO BE ASSIGNED check w/ CTMAA
optional	required	optional	required		
required	required	required	required		
optional	required	optional	required		

SAN JOAQUIN DELTA COLLEGE		30
E TECH 012	Computer-Aided Drafting	3
E TECH 022	Three Dimensional Modeling	3
MECH 070A	Elementary Machine Shop I	3
MECH 070B	Elementary Machine Shop II	3
MECH 073A	Machine Shop I	3
MECH 073B	Machine Shop II	3
MECH 074A	CNC Machining I	3
MECH 074B	CNC Machining II	3
MECH 076A	Computer Aided Machining I	3
MECH 076B	Computer Aided Machining II	3

Man Machinist	CNC Machinist	Tool&Die	Mold Maker	CNC Technician	Maint Machinist
required	required	required	required	required	required
optional	required	optional	required		
required	required	required	required	required	required
required	required	required	required		
required	optional	required	optional		
required	optional	required	optional		
required	required	required	required	required	additional courses TO BE ASSIGNED check w/ CTMAA
optional	required	optional	required		
optional	required	optional	required		
optional	required	optional	required		

CHABOT COLLEGE		26
MTT 50	Blueprint Reading, Sketching, anc	3
MTT 60A	Machine Tool Technology I	4
MTT 60B	Machine Tool Technology II	4

Man Machinist	CNC Machinist	Tool&Die	Mold Maker	CNC Technician	Maint Machinist
required	required	required	required	required	required
required	required	required	required	required	required
required	optional	required	optional		

MTT 63A	Individual Projects	2	required	required	required	required		
MTT 63B	Advanced Individual Projects	2	required	optional	required	optional		
MTT 71A	Numerical Control Program I	4	required	required	required	required	required	<div style="border: 1px solid black; padding: 5px; color: red;">           additional            courses TO BE            ASSIGNED            check w/ CTMAA         </div>
MTT 71B	Numerical Control Program II	4	optional	required	optional	required		
MTT 81C	Mastercam X	3	optional	required	optional	required		
INDT 74	Meas and Calculations	3	required	required	required	required		