

Degree & Certificate Requirements

Precision Machining Technology Associate in Applied Science (AAS) PROFESSIONAL TECHNICAL 2024-2025 Degree Requirements

Major Courses

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
BPR 105	Blueprint Reading [RE]	3		
MT 102	Solidworks(R) I [RE]	4		
MT 202	Solidworks(R) II [RE]	4		
MT 111	Introduction to Manual Machining [RE]	4		
MT 112	Introduction to Manual Machining Lab [RE]	7		
MT 121	Intermediate Manual Machining Techniques [RE]	4		
MT 122	Intermediate Manual Machining Techniques Lab [RE]	7		
MT 131	Advanced Manual Machining [RE]	4		
MT 132	Advanced Manual Machining Lab [RE]	7		
MT 211	Introduction to CNC Machining [RE]	4		
MT 212	Introduction to CNC Machining Lab [RE]	7		
MT 221	Intermediate CNC Machining and Programming [RE]	4		
MT 222	Intermediate CNC Machining and Programming Lab [RE]	7		
MT 231	Advanced CNC Machining Technologies [RE]	4		
MT 232	Advanced CNC Machining Technologies Lab [RE]	7		
Subtotal		77		

Major Support

Select 0-6 credits from the following:

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
WT 222	Gas Tungsten Arc Welding (Tig) [RE]	3		
WT 251	Gas Metal Arc Welding (Mig) Certificate [RE]	3		
Subtotal		0-6		

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General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Mathematics - 5 credits				
MATH 100	Algebraic Tools for Vocational Application [RE]	5		
English - select 5 credits from the following:				
ENGL& 101	English Composition I [C]	5		
ENGL 103	Writing In The Workplace [RE]	5		
ENGL& 235	Technical Writing [C]	5		
Human Relations - select 3-5 credits from the following:				
PSYC 103	Applied Psychology	3		
PSYC& 100	General Psychology [S/B]	5		
PSYC 201	Social Psychology [S/B]	5		
BUS 271	Human Relations in Business [RE]	5		
Communication - select 3-5 credits from the following:				
CMST 103	Workplace Communication [RE]	3		
CMST 104	Speech Essentials [C]	3		
CMST 110	Communication Behavior [C]	3		
CMST& 210	Interpersonal Communication [C]	5		
CMST& 220	Public Speaking [C]	5		
CMST 260	Multicultural Communication [C]	5		

Subtotal 16-20
Total Credits Required 93-103

Students must earn a minimum 2.0 grade in all MT and BPR courses.

Required minimum cumulative GPA 2.0.