



**Keystone Central
Career & Technology
Center**

Student

School

Graduation Year



Engineering and Industrial Technology: 48.0501 MACHINE TOOL TECHNOLOGY/MACHINIST (1320+ Hours)

Education	Levels	Grade	English & Language Arts	Math	Science	Social Studies & Sciences	Health & Physical Educations	Other Required Courses/Other Electives/Recommended Electives	Career & Technical Courses and/or Degree Major Courses	Sample Occupations Relating to This Pathway
Interest Inventory Administered and Plan of Study Initiated for all Learners										Program Completer
Secondary		9	-Intro Literature -Honors Intro Literature	-Algebra 1A/B -Algebra 1 -Algebra 1 Plus -Honors Geometry	-Science 9 -Honors Science 9 -Biology Plus	-American Studies -Honors American Studies	-P.E. 1/2 credit -Health 9 1/2 credit	-Computer Skills 1 -German or Spanish -Career Exploration	-Intro. to Precision Machining	-Manual Lathe Machinist -Production Machinist -Machinist
		10	-Literature -Honors Literature	-Geometry -Honors Geometry -Algebra 2 -Honors Alg 2 -Trigonometry -Honors Trigonometry	-Biology -Honors Biology -Chemistry -Honors Chemistry	-Global Studies -Honors Global Studies	-P.E. 1/2 credit	-Web Design -Intro. To Business -German or Spanish	-Precision Machining I	
		11	-Exploratory Literature -Honors Expl Literature -AP Literature -AP Language	-Geometry -Honors Geometry -Algebra 2 -Honors Alg 2 -Trigonometry -Honors Trig	-Chemistry -Honors Chemistry -AP Biology -AP Chemistry -Anatomy & Physiology -Principles of Technology -Physics or Honors Physics	-Civics and Gov't -Honors Civics and Gov't -AP European History -AP US History -AP World History -AP US Gov't & Politics -Psychology	-P.E. 1/2 credit	-German or Spanish -Personal Finance -Entrepreneurship	-Precision Machining II	
	College Placement Assessments - Academic/Career Advisement Provided									
		12	-English Composition -AP Literature -AP Language -PCN English Composition	-Consumer Math -Trigonometry -Honors Trig -Calculus -AP Calculus -PCN Algebra & Trigonometry	-Physics or Honors Physics -AP Biology, AP Chemistry or AP Physics -Anatomy & Physiology -PCN Fundamentals of Chemistry -Principles of Technology -Principles of Technology 2	-War & Peace -Psychology -AP European History -AP US History -AP World History -AP US Gov't & Politics -Citizens in a Global Society -Sociology	-P.E. 1/2 credit	-German or Spanish -PCN Web Page Development	-Precision Machining III	-Maintenance Machinist -Machine Repair Person -Tool Room Machinist
Articulation/Dual Credit Transcribed - Post Secondary courses may be taken/moved to the secondary level for articulation/dual credit purposes										Bachelor Degree
Post Secondary		Year 13	-PCN English Composition **	-PCN Algebra & Trigonometry I & II**	-PCN Fundamentals of Chemistry*			-PCN Intro. to Web Page Development***	-MTT118 Mill Applications -MTT119 Lathe Applications	-CNC Machinist (Computer Numeric Controlled Machinist) -CNC Machinist Set Up and Programming -Manufacturing Engineer
		Year 14								
								* Eligible after completion of 9th grade requirement ** 12th Grade Only *** 11th & 12th Grade Only		
Graduation Requirements Met										
			English 4 credits	Math & Science 7 credits combined	Social Studies 4 credits (FT CTC = 3 credits)	Phys. Ed. 2 credits Health 1/2 credit				