PRECISION MACHINING TECHNOLOGY

ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

Virtually all manufactured products depend on America's precision machining industry at some point during their production. As new technologies continue to shape the manufacturing industry, companies have an immediate demand for machinists with college-level skills. A precision machinist (PMT) works very much like a sculptor, transforming raw material into something of great value. Additionally, the one-year welding certificate is designed to provide entry level welding skills.

"I know that sitting in a classroom is not for me, but the PMT program was so much more. I did real things that were hands-on that gave me confidence to build real stuff. KVCC's PMT program was challenging, but working in the lab was addictive. The better I got at making things, the more I wanted to do it."

Develop skills to design and make fine metal parts using computer numerical control machines

What Precision Machining Technology graduates do:

- Remove metal with lathes, mills, and drills
- Fabricate metal-based parts
- Use software to run CNC-based equipment
- Calculate and measure angles
- Design products to specifications
- Innovate better methods
- Observe and enforce safety procedures
- Maintain machines

Career Opportunities:

- Manufacturing plants
- Small businesses
- Fabrication plants
- Machine shops
- Automotive companies
- Technical training centers

For further questions about this program, please contact:
pmt@kvcc.me.edu or go to: www.kvcc.me.edu/pmt

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	COURSE #	COURSE TITLE	CREDITS	PREREQUISITES (CO-REQUISITES)
Associate in Applied Science Degree				
		First Semester		
__ __	BPT126*	Technical Print Reading and Sketching	3	
__ __	CPT117	Software Applications I	3	Computer ACCUPLACER score of 76 or greater, CPT018, or permission of instructor
__ __	MAT114	Technical Math	3	Min. Accuplacer arithmetic score of 55
__ __	PMT101*	Introduction to Precision Machining	3	(BPT126, CPT117, MAT114)
__ __	PMT102*	Manual Milling and Turning	4	(BPT126, CPT117, MAT114, PMT101)
		Second Semester		
__ __	ENG108	Technical Writing	3	Min. Accuplacer writing score of 74
__ __	MAT117	College Algebra	3	High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031
__ __	PMT110*	Introduction to Mastercam	3	BPT126, PMT101, PMT102 (MAT117)
__ __	PMT111*	Fundamentals of Precision Machining Tech. II	7	PMT101 (MAT117, PMT110)
		Third Semester		
__ __	COM104	Introduction to Communication OR		
__ __	COM105	Interpersonal Communication	3	
__ __	MAT218*	Trigonometry	3	Minimum grade of "C" in MAT117
__ __	PMT201*	Fundamentals of Precision Machining Tech. III	7	PMT110, PMT111 (MAT218)
		Fourth Semester		
__ __	PMT211*	Fundamentals of Precision Machining Tech. IV	4	MAT218, PMT110, PMT201
__ __	PMT226*	Experiential Education	3	
__ __	_____	General Education Elective	3	
__ __	_____	Humanities Elective	3	
__ __	_____	Social Science Elective	3	
		Total Credits	61	

CRITERIA FOR GRADUATION

Students in the Precision Machining Technology program must complete 61 credits for an Associate Degree, achieve a minimum grade of "C" in all core courses (*), and attain a final GPA of 2.0 or higher.

Revised: December 15, 2015