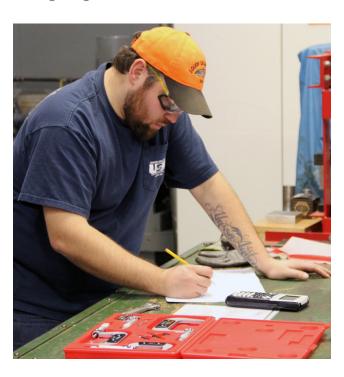
# PRECISION MACHINING TECHNOLOGY

## 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

#### PRECISION MACHINING TECHNOLOGY

COURSE # COURSE TITLE	CREDITS	PREREQUISITES (CO-REQUISITES)

#### Certificate

 First Seme BPT126*	ster 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 (MAT217, PMT110)		
	Total Credits	32			

#### **CRITERIA FOR GRADUATION**

Students in the Precision Machining Technology program must complete 32 credits for a Certificate, achieve a minimum grade of "C" in all core courses (\*), and attain a final GPA of 2.0 or higher.

#### **GAINFUL EMPLOYMENT**

For more information about the Precision Machining Technology Certificate's graduation rates, the median debt of students who completed the program, and other important information, please go to <a href="http://www.kvcc.me.edu/pages/general/gainful-employment">http://www.kvcc.me.edu/pages/general/gainful-employment</a>.

Revised: December 15, 2015