



# E-LEARNING

**E-Learning comes to Metalworking!**

NOW, FROM METALWORKING'S LEADING GLOBAL INNOVATOR...

**Kennametal's Online Metalcutting  
Certification Program!**





## EDUCATION CONTENT

Our CMP program clearly and concisely explains the metalcutting process and provides defined and common tool-selection criteria based on proven cause and effect relationships among three categories of tool design and application factors.

CMP courses are divided into three sections:

**1. ENGINEERING PRINCIPLES** — *Identifies tool design features and application factors used to effect change in tool performance. Common terminology used for all metalcutting tools and processes is established.*

Five courses are included:

- Mechanics of Metalcutting
- Cutting Edge Materials
- Operating Conditions, Tool Life, Productivity
- Tool Failure Analysis
- Surface Finish

**2. TURNING PROCESSES** — *How to apply the Engineering Principles and selection criteria to Lathe and Turning Center applications.*

Six courses are included:

- Toolholder Selection
- Boring Bar Selection
- Insert Selection
- Grooving Tool Selection
- Cut-Off Tool Selection
- Single-Point Threading

**3. MACHINING CENTER PROCESSES** — *How to apply the Engineering Principles and selection criteria to Machining Center applications.*

Four courses are included:

- Face Mill Selection
- End Mill Selection
- Drill Selection
- Tap Selection



*GOAL: To advance the metalcutting profession and to recognize its practitioners. A CMP (Certified Metalcutting Professional) designation following your name*

*communicates that you possess a solid foundation of metalcutting experience and education!*

*Our course provides the essential preparation necessary to pass Kennametal's CMP exams — ultimately resulting in your CMP certification.*

**Dramatically improve profitability, productivity, and part quality — with the knowledge you'll gain from Kennametal's CMP program!**

**ALL COURSES ARE ONLINE — AND AVAILABLE 24/7 USING THE LATEST E-LEARNING TECHNIQUES AND FORMAT!**

# ING PROFESSIONAL (CMP) PROGRAM

## WHO SHOULD ATTEND?

CMP is specifically designed for the working engineer, for machinists and programmers, and other metalcutting professionals involved in tool management, tool selection, process optimization, CNC programming, and trouble-shooting.

## INSTRUCTION

All courses are online — and available 24/7 using the latest e-learning techniques and format. Graphics and videos support all course content.

## CERTIFICATION REQUIREMENTS

Testing follows completion of each course. To qualify for certification, you must score 80% or higher per test. Final exams may be retaken if, on first try, you do not meet the 80% score. However, you must complete all courses and exams within one year.

## REGISTRATION INFORMATION

English ANSI, English ISO, and German ISO CMP versions are available. Your registration will give you complete access to all courses for one year from when you start the program.

## TO REGISTER, VISIT [WWW.KENNAMETAL.COM](http://WWW.KENNAMETAL.COM)

then type “Knowledge” into the search bar.

Or just click [here](#)



## OUR CMP PROGRAM INCLUDES:

- clearly defined class outlines and objectives
- interactive note-taking
- pop-up definitions for all technical terminology
- tools to easily track your course progress



*“Kennametal’s online class experience greatly enhanced what I learned during my time at Kennametal University. My grades improved from a pretest score of 82% to more than 97% on the final! Because the lessons were very detailed and taught to support general machining principles, my already-strong metalcutting knowledge significantly increased!”*

GREGG BIGLEMAN, PHD  
TECHNICAL ENGINEER  
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## Your Knowledge Center Contacts

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