



**Certificate in Computer Numerical Control (CNC) Machinist**  
**Level 1**

**Program Overview**

The Computer Numerical Control (CNC) Machinist Level 1 Certification program is designed to meet entry-level requirements for on-the-job skills. In this program students will be exposed to drill presses, mills, lathes, and grinders, then advance to CNC milling and CNC turning. You will learn to efficiently set up and run CNC machines. Problem solving skills, troubleshooting techniques and use of engineering materials and process learned at KQE prepare students to take the (NIMS) National Institute of Metalworking Skills credentialing exams. KQE content is based on (NIMS) approved courseware and standards.

**Certificate Requirements**

<p align="center"> <b>Machining Level I:</b>  <b>Designed to meet entry-level requirements for on-the-job skills</b>   <b>MAC 1</b> </p>	<ul style="list-style-type: none"> <li>Introduction to Machining</li> <li>Measurement, Materials &amp; Safety</li> <li>Job Planning, Benchwork &amp; Layout</li> <li>Manual Milling Skills I</li> <li>Turning Operations: Turning Between Centers</li> <li>Turning Operations: Turning &amp; Chucking Skills</li> <li>Grinding Skills I</li> <li>Drill Press Skills I</li> <li>CNC Turning: Programming Setup &amp; Operations</li> <li>CNC Milling: Programming Setup &amp; Operations</li> <li>CNC Turning: Operations</li> <li>CNC Milling: Operations</li> </ul>
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