CNC CERT PROGRAMS

FANUC offers a world-class CNC curriculum based on the needs of the machining industry, in line with the Key Concepts teaching approach. This approach explains both how tasks are completed using a FANUC CNC and the reasoning behind the processes. Each lesson builds on the information taught in the previous lesson and provides a logical "show-me" tutorial method of instruction. Upon completion of the course, students will understand how to get a machine set up and into production.

Two courses are taught in the CNC curriculum: One course focuses on machining centers (mills) and the other on turning centers (lathes). Each course covers ten key concepts; six on programming and four on set up and operation. If a student can understand these ten basic principles, they are well on their way to becoming a proficient CNC user.

Courses are available online or in a traditional classroom setting. The content is the same regardless of the delivery method with presentations, reading materials, exercises, tests and final evaluations. Students have access to projects and labs – which can be carried out using the FANUC CNC Simulator or NCGuide (FANUC CNC software running on a PC) – before transferring the programs to a certification cart or another FANUC-controlled machine to cut metal. Instructors leading courses in certified programs must meet defined education training standards established by FANUC. To become certified, instructors must participate in FANUC training on programming and operation of the latest FANUC equipment.

CNC CERT CARTS

Tabletop CNC certification carts are portable machines with a FANUC CNC, so students can practice machine set up and operation, and bring their programs into reality by making parts. The certification carts can be easily moved from classroom to classroom through a standard doorway and require only a standard wall outlet for power. Carts are available in turning (lathe) configuration or machining (mill) configuration with optional tooling packages that correspond with the lab exercises in the FANUC education curriculum.