

Mission Statement

FANUC CNC Certified Education Program

The aim of the FANUC CNC Certified Education program is to:

1. Promote advanced manufacturing by attracting and engaging students
2. Address the demand for skilled operators that have FANUC experience
3. Provide the tools and knowledge that are essential for the development of educational methods and processes
4. Add value to students resumes to seek higher paying jobs
5. Add value to academic programs to help them attract new talent
6. Provide an industry standard that employers can use to determine the competency of new recruits

The FANUC CNC Certified Education Training program is an industry certification available to qualified high schools, community colleges, and universities. The program certifies instructors at educational institutions to train their students to program, set-up and operate CNC machine tools using FANUC's control platform.

To accompany the FANUC CNC CERTIFIED EDUCATION program, schools should utilize machine tools using FANUC CNC controls, FANUC NCGuide simulation software and / or FANUC hardware simulators. In addition, other FANUC software tools may aid tuition in the classroom environment. Curriculum for milling and turning that includes basic setup, programming and operation and instructor training to learn the fundamentals of FANUC CNC controls will ensure the quality of instruction and consistency of training material. With this certification, students can learn the fundamentals of advanced engineering and manufacturing concepts by utilizing the same CNC controls and software that are used in industry. Schools can integrate the FANUC CNC CERTIFIED EDUCATION training into their own programs and initiatives as a stackable credential recognized by industry. Some of the successful approaches used by educational institutions are:

- Add CNC programming, setup and operation to facilitate learning to Career Technical Education programs
- Integrate FANUC CNC's Education Program to engineering technology curriculum
- Add FANUC CNC's Education Program to community workforce retraining initiatives

The mission of the FANUC CNC Certified Education Training Program is to create FANUC CNC CERTIFIED EDUCATION centers that promote an understanding of FANUC's CNC technology through the development and implementation of integrated classroom instruction.

Educational initiatives at all levels of academic focus are invited to partner with FANUC in meeting the human and organizational needs necessary to thrive in today's digital manufacturing age.

FANUC's products have been utilized in many industry segments and are applicable for many academic purposes. With this in mind, each academic partner individually determines how to implement FANUC's CNC certified education into their program(s) or initiatives. Some successful approaches used by educational

institutions worldwide are for integration of CNC machine tools, including machining centers and lathes to help teach manufacturing concepts within an approved curriculum.

Typical programs that are currently integrating CNC within the curriculum are:

- Industrial, Mechanical, and Manufacturing Engineering or Technology degrees
- Digital Manufacturing, Lean Manufacturing and Manufacturing Management programs
- CNC (Computer Numerical Control) Technology
- Manufacturing technology
- Applied technology and apprenticeship

FANUC's Role

FANUC is the industry leader for computer numerical controls (CNC), advanced manufacturing and automation. Sharing these tools with academia is part of our commitment to the development of talent and a pipeline of skilled workers. Attracting young people to the world of advanced automation and manufacturing, and providing them with the equipment and instruction used by the worlds most advanced manufacturing companies ensures job relevant skills for employment.

To make this approach available to the educational community, FANUC offers academic products and pricing for CNC simulators, software, support, and training as well as the willingness to support our partners in implementation and industry relationships.

The robustness of the FANUC product range dictates that our partners be assisted in selecting which solution is the best fit for their needs. Therefore, FANUC will work with each partner to develop a quote especially suited to that end that can include introducing other partners in education from machine builders to other manufacturing technology equipment, such as PLC, tooling, measurement and CAD/CAM.

FANUC CNC CERTIFIED EDUCATION Centers Role

The role of a FANUC CNC CERTIFIED EDUCATION school is to teach the concepts required by today's high tech manufacturing sector, putting the industry standard FANUC CNC control platform in the hands of students. In addition, the school should be proactively seeking to attract students into their programs by all means available, including social media and marketing. A FANUC CNC CERTIFIED EDUCATION school is freely allowed to use the FANUC brand name in any such marketing material. Schools should also look to create partnerships with local industries to create pathways for graduating students, ensuring that they prepare students for available jobs and address the concerns of the local employers. FANUC certification means that FANUC will allow a school to advertise that they are a participating member of the program. Exposure to FANUC CNC'S and other equipment, combined with instructor training and an approved curriculum ensures that standards are set, giving students and employers confidence in employment to meet the demands of the world's most advance manufacturing environments.