

MACHINISTS

CNC PRECISION MACHINISTS

COLLEGE & CAREER PATHWAYS | ADVANCED MANUFACTURING

JOB DESCRIPTION

CNC machinists work with computer numeric controlled (CNC) heavy machinery from setup to operation to produce parts and tools from metal, plastic or other materials. This equipment is precision machinery that cuts, grinds, or drills into the material. CNC machinists make adjustments to the machine to control speed, material feed and path of the cut, as well as make sure the machines are set up properly, working well, and producing quality product. CNC machinists may work on many different machines, or specialize on one complex machine. They are builders, fabricators, mechanics, craftsmen and quality assurance all wrapped into one.



WHAT SKILLS & TRAINING ARE NEEDED?

FOUNDATIONAL SKILLS:

- **Math Skills:** Good math skills will help machinists understand complex instructions, how schematics work and make sure items are designed and built correctly.
- **Problem Solving Skills:** Machinists will need to know why machines are not at peak performance, how to increase output and how to fix errors.
- **Attention to Detail:** Machinists will work with precision equipment. Being off by millimeters could be a critical error. Keen attention to detail is required.
- **Mechanical and Technical Skills:** Machines controlled by computers will need operators who understand CAD/CAM technology.
- **Stamina:** Machinists often work long hours doing repetitive movements.

TRAINING: Machinists can gain skills through vocational schools, technical colleges or community college programs, or apprenticeships. Typically, it takes 4-5 years of combined education and on-the-job training to become fully trained. To excel, machinists need many years of experience and must show aptitude for math, problem-solving and computer skills.

HOW DO I KNOW IF THIS IS A GOOD FIT FOR ME?

- You are focused on the task at-hand and are very detail oriented.
- You have a knack for technology.
- You have strong basic math skills.
- You understand complex multi-step instructions.

MEDIAN HOURLY EARNING

\$21.59

WHERE CAN I PURSUE ALIGNED TRAINING?

DELGADO COMMUNITY COLLEGE

NORTHSHORE TECHNICAL COMMUNITY COLLEGE

Presented by

