

**Job Title:** CNC Set-Up Programmer - Milling and Turning Apprentice

**Company:** World Magnetics

**Location:** Traverse City, Michigan

**Apprenticeship Term:** 1 Year, Competency-Based

*Kickstart your career in advanced manufacturing with a hands-on, skill-building opportunity at World Magnetics, where innovation meets quality.*

**About World Magnetics:**

Located in Traverse City, Michigan, World Magnetics has over 60 years of experience in designing, manufacturing, and supplying high-quality, custom switches for industrial, medical, aerospace, and military applications. Our commitment to customer service, innovative engineering, and complete manufacturing capabilities allow us to deliver rapid, customized solutions with a focus on quality and durability.

As part of our dedication to workforce development, World Magnetics offers a U.S. Department of Labor Registered Apprenticeship Program in collaboration with Northwestern Michigan College. The CNC Set-Up Programmer - Milling and Turning Apprenticeship aims to cultivate the next generation of skilled professionals. Through hands-on training and structured professional development, this program empowers apprentices to play a key role in advancing our tradition of excellence and innovation.

**Position Overview:**

The CNC Set-Up Programmer - Milling and Turning Apprentice will gain essential technical skills in CNC programming, machine operation, and quality assurance. Working under the guidance of experienced journey workers, the apprentice will engage in hands-on tasks that include machine set-up, part inspection, program generation, and maintenance. A typical day might involve preparing materials, setting up CNC machines, running production batches, and collaborating with team members to ensure smooth operations. This role is ideal for individuals motivated to develop expertise in advanced manufacturing.

**Key Responsibilities:**

- Set up and operate CNC milling machines and lathes for part production.
- Develop CNC programs using Cartesian coordinates and execute basic to advanced programming tasks.
- Inspect product dimensions with precision tools, ensuring compliance with quality standards.
- Actively participate in maintaining a safe and clean workspace, supporting the company's commitment to OSHA standards and safety best practices.
- Conduct routine maintenance and housekeeping to keep the workstation and equipment in optimal condition.

- Collaborate effectively with team members and communicate openly about project updates and challenges.
- Participate in lean manufacturing projects to improve efficiency and reduce waste.

**Competencies Developed:**

- Proficiency in advanced CNC programming and equipment troubleshooting.
- Expertise in measurement, inspection, and quality control techniques.
- Understanding of machine safety standards and proper handling of hazardous materials.
- Skill in lean manufacturing techniques, including problem-solving, efficient production runs, and workplace organization.
- Ability to execute efficient, high-quality production runs with minimal supervision.

**Training and Instruction:**

The apprenticeship includes 285 hours of Related Technical Instruction (RTI) through Northwestern Michigan College, covering:

- Math for Manufacturing (45 hours)
- Machining I & II (150 hours)
- CNC Mill Operations (90 hours)

**Minimum Qualifications:**

- High school diploma or GED equivalency.
- Physical ability to stand for long periods and lift up to 50 lbs.
- Valid driver's license required.
- Strong attention to detail and effective communication skills.

**What We Offer:**

- **Competitive Starting Pay:** Begin your journey with a progressive wage structure, starting at \$15.75/hr and increasing to \$17.00/hr upon mastering key competencies.
- **Comprehensive Benefits:** Access to health, dental, and vision insurance, along with paid holidays and vacation time, to ensure a balanced, healthy lifestyle.
- **Future Financial Security:** A 401(K) retirement plan with company contributions, helping you invest in your future.
- **Professional Growth and Development:** Take advantage of continuous learning through our U.S. Department of Labor Registered Apprenticeship Program, with structured training and guidance.

- **Innovative, Inclusive Team Culture:** Join a supportive team focused on quality, safety, and continuous improvement within an environment that values each member's contributions.

**Growth Opportunities:**

This apprenticeship provides a pathway to a rewarding career in CNC programming and advanced manufacturing. Graduates may advance into roles such as CNC Operator, Machinist, or CNC Programmer, with the potential for further career growth within World Magnetics.

**Application Process:**

This apprenticeship is open to candidates through an interview process. Selected applicants will undergo a 500-hour probationary period, gaining hands-on experience in a structured, competency-based program designed to prepare them for a rewarding career in manufacturing. Selected candidates will be invited for an interview as part of the application process. Successful candidates will then begin the 500-hour probationary period.

To express your interest in the apprenticeship program, please email your resume to [jobs@worldmagnetics.com](mailto:jobs@worldmagnetics.com).

**World Magnetics is proud to be an Equal Opportunity Employer** and is committed to building an inclusive workplace that welcomes applicants from all backgrounds and experiences.

*Join World Magnetics in this exceptional opportunity to advance your skills and grow within a company that values innovation, development, and the future of manufacturing professionals.*