



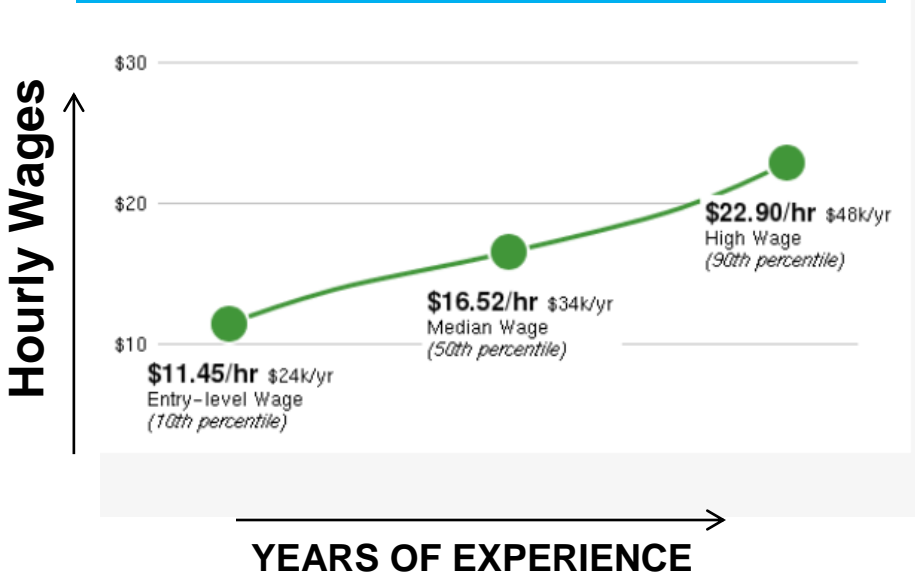
## CNC PROGRAMMER/OPERATOR PROFILE

**CNC Programmers and Operators use Computer Numerical Control (CNC) machines to perform precision cutting, drilling and shaping of steels and metals according to intricate diagrams and schematics. CNC workers program and monitor lathes, routers, and laser cutting machines and make adjustments as necessary. Using computerized software the CNC Machine Operator will program the machine to produce products to exact tolerances and precision measurements.**

**KNOWLEDGE, SKILLS, AND ABILITIES:**

- Machines and tools
- Design Tools
- Computers and Electronics
- Quality Control Analysis
- Lathe Machine Operation
- Controlled Precision
- Information Order
- Project Management & Spreadsheet Software
- Engineering & Technology

### What wages can you expect?



**RELATED OCCUPATIONS**

- Machinists
- Milling and Planning Machine Setters
- Tool and Die Makers
- Engine and Other Machine Assemblers
- Woodworking Machine Setters
- Drilling and Boring Machine Operators
- Lathe and Turning Machine Tool Setters and Operators

**Bright Outlook**

**Projected growth for the industry is 15% over the next 10 years.**

(Source: Adapted from O\*Net; Data Center Wages and Employment Trends)



The GCMCA program at Cincinnati State is an equal opportunity program, auxiliary aids and services are available upon request to individuals with disabilities. This workforce solution was funded by a grant awarded under the Trade Adjustment Community College and Career Training Grants as implemented by the U.S. Dept. of Labor's Employment and Training Administration.



## Program Description: CNC Certificate

The CNC Certificate programs prepare students for immediate employment in organizations where CNC Programmers and Operators are in demand including engineering, manufacturing, aerospace 3D printing, and energy industries. The program includes hands-on practice using state-of-the-art technology to create a variety of products such as tools and equipment in the automotive and aerospace industries. Students can complete the certificate in a year or less and credits earned can be applied to the Associate's degree in Mechanical Engineering Technology – Manufacturing Management major.

How long does the program take?	Prerequisites	How Do I Enroll?
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<b>Tuition Cost</b> 148.64 x # of Credit Hours	<b>Certificate:</b> 20 credits = \$2972.80
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**Three semesters after pre-requisites are met.**

**Appropriate Compass Score HS Diploma or GED**

**Contact PTEC Advisor 513.569.4135**  
  
**Contact CIT Advisor 513.569.1743**

<b>Admission Fee (one time)</b>	<b>\$15.00</b>
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**Fees for Certificate:**  
**Facility Fee (per 3 semesters): \$180.00**  
**Registration (per 3 semesters): \$27.00**  
**Technology (per 3 semesters): \$112.50**

<b>Lab Fees</b>	<b>Certificate: \$450</b>
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**Total for certificate including fees: \$ 3757.30**



**Cincinnati State's Pathway to Employment Center**  
**1916 Central Parkway**  
**Cincinnati, OH 45523**  
*For more information about this program and others or the services available through the Pathway*

*\*Tuition, fees, books and program requirements are based on the most recent available information at the time of printing. Subject to change.*

This workforce solution was funded by a grant awarded by the U.S Department of Labor's Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership



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