

**CNC Precision Machining Visiting Lecturer  
Community College of Philadelphia**

Direct Link: <https://www.AcademicKeys.com/r?job=257090>

Downloaded On: Jul. 22, 2025 8:30am

Posted May 19, 2025, set to expire Sep. 14, 2025

**Job Title** CNC Precision Machining Visiting Lecturer  
**Department** All Jobs  
**Institution** Community College of Philadelphia  
Philadelphia, Pennsylvania

**Date Posted** May 19, 2025

**Application Deadline** Open until filled

**Position Start Date** Available immediately

**Job Categories** Lecturer/Instructor  
Visiting Professor

**Academic Field(s)** Vocational/Technical

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**Job Description**

## Posting Details

### Position Information

Position Title: CNC Precision Machining Visiting Lecturer

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Requisition Number: FAC00519

### General Description

The Visiting Lecturer in CNC Precision Machining Technology will support the continued expansion of Community College of Philadelphia's (CCP) workforce-aligned advanced manufacturing programming, housed at the Career and Advanced Technology Center (CATC) in West Philadelphia. This position entails delivering hands-on, competency-based instruction using industry-standard equipment (e.g., Haas CNC mills and lathes), while also enhancing student engagement through experiential and work-based learning opportunities.

This role blends instructional and program development responsibilities and is designed for an industry-experienced professional capable of delivering high-quality training aligned with National Institute for Metalworking Skills (NIMS) standards or equivalent frameworks. The Visiting Lecturer will collaborate with internal stakeholders and external partners—including employers, K-12 schools, unions, and workforce agencies—to ensure curriculum relevance to regional labor market needs and to strengthen pathways to employment, apprenticeships, and credential attainment.

This full-time, renewable, non-tenure-track faculty appointment reflects the College's commitment to equity, access, and career-connected education. As part of the Academic and Student Success Division, Visiting Lecturers play a critical role in advancing student achievement through inclusive instruction, innovative pedagogy, and meaningful community engagement—particularly within a minority-serving, open-admission institution committed to social and economic mobility.

### College Intro

*Community College of Philadelphia is an open-admission, predominantly Black institution and a minority-serving institution which provides access to higher education for all who may benefit. CCP's Strategic Plan affirms the College's long-standing commitment to quality, access, affordability and upward mobility while including an emphasis on diversity, equity and inclusion. This plan firmly plants student success at the center of all efforts, establishing the means for each student to achieve their goals.*

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*Teaching faculty are an integral part of the larger Academic and Student Success Division at CCP including Workforce Development or Career Training. The Academic and Student Success Division is a community of learners committed to student success as demonstrated through equitable and measurable outcomes, innovative practices, relevant curriculum, quality learning, and a rewarding student experience. As a minority-serving institution, CCP faculty contribute significantly to our collective efforts to improve student success and eliminate racial equity gaps through the utilization of inclusive and high-quality teaching practices.*

### **Specific Responsibilities**

- Deliver in-person instruction in CNC Precision Machining Technology, emphasizing the safe, efficient operation of manual and CNC equipment.
- Translate complex technical concepts into accessible, applied learning for diverse student populations using competency-based education (CBE) frameworks.
- Facilitate student learning through labs, simulations, and project-based assignments aligned with real-world job functions.
- Ensure curriculum continuously aligns with evolving industry standards, including NIMS competencies and employer feedback.
- Develop, revise, and maintain instructional materials, including lesson plans, lab exercises, and assessment tools.
- Incorporate digital manufacturing technologies, including CAD/CAM platforms (e.g., Fusion 360, Mastercam), into course delivery.
- Maintain relevant industry certifications (e.g., NIMS Level I/II) and participate in ongoing professional development.
- Use formative and summative assessments to measure student progress, provide constructive feedback, and inform instructional improvement.
- Mentor students in job readiness, soft skills, and successful transition into employment or apprenticeship programs.
- Employ Universal Design for Learning (UDL) principles and culturally responsive pedagogy to promote equity and inclusion in the classroom.
- Participate in course- and program-level outcomes assessment and continuous improvement initiatives.
- Assist in designing, scheduling, and overseeing the CNC program, including course sequencing, lab safety, and instructional resource planning.
- Collaborate with the Director of Advanced Manufacturing and the Workforce Development team to ensure curriculum alignment with employer needs and credentialing bodies.
- Act as a liaison to local employers, industry associations, and apprenticeship programs to create

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job placement pipelines and work-based learning opportunities.

- Organize and participate in student recruitment efforts, including open houses, school visits, and career exploration events.
- Support enrollment, onboarding, and retention strategies to foster student persistence and success.
- Track program metrics, including student progress and credential attainment, to support data-driven improvements and reporting on grants or contracts.
- Partner with CCP's Industry Partnerships and Career Services offices to connect students with internships, job shadowing, and industry networking events.
- Provide mentorship and support to adjunct faculty and instructional aides within the CNC and Advanced Manufacturing programs.
- Contribute to workforce development initiatives such as incumbent worker training, employer-sponsored upskilling, and pre-apprenticeship programs

### Minimum Qualifications

- High school diploma or GED.
- Minimum of three to five (3-5) years of industry experience in CNC machining or advanced manufacturing.
- Demonstrated commitment to equity, inclusion, and student-centered instruction.

### Preferred Qualifications

- Experience teaching or training in a community college, technical school, union apprenticeship program, or industrial setting.
- Familiarity with workforce development systems, including WIOA-funded programs and employer engagement best practices.
- Proficiency in operating and maintaining Haas CNC machines, as well as manual mills and lathes.
- Expertise in using precision measurement tools, interpreting blueprints, and applying Geometric Dimensioning and Tolerancing (GD&T).
- Competency in CAD/CAM software platforms (e.g., Fusion 360, SolidWorks, Mastercam).
- Possession of relevant industry-recognized credentials (e.g., NIMS Level I or II, OSHA 10/30, MSSC CPT).
- Strong interpersonal and communication skills with the ability to teach and mentor nontraditional and diverse learners.
- Bilingual or multilingual proficiency is a plus.

Work Location: Main Campus, NERC, CATC, NWRC

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**Benefits Summary**

**Benefits:**

*"Success Starts Here" at Community College of Philadelphia. We recognize that our success as a college and the success of our students starts with our employees. Our employees are vital to our success. Our total compensation package includes a comprehensive offer of benefits that are unrivaled by most.*

**Full-time faculty and staff benefits include:**

- College-paid medical, dental, drug, life and disability insurance
- Tuition remission (for classes at the college)
- Forgivable tuition loan (for classes at any accredited academic institution)
- 403(b) retirement plan with 10% College contribution with employee contribution 5%
- Flexible spending accounts

**Additional College benefits:**

- Winter break: 1 week around the third week in December and New Years
- Spring Break: 1 week in March
- Summer Hours: 4-day work week (closed on Fridays) from the 2nd week in May through the 3rd week in August

For More information about the College benefits and eligibility based on employee class, please visit:

<https://www.myccp.online/human-resources/benefits-eligibility>

Salary Grade or Rank: 1

Min Salary/Hourly Rate: \$56,095

Max Salary/Hourly Rate: \$87,161

Job Posting Open Date: 05/15/2025

Position Type: Visiting Lecturer

Employment Status: Full-Time

**Special Instructions to Applicants**

**Interested candidates should complete an online application.**

- Cover Letter of interest and resume required.

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- Name and contact information of 3 references required.
- Employment offers are contingent upon successful completion of background checks in accordance with PA Child Protective Services Law.
- Must be legally eligible to work in the U.S.

*Community College of Philadelphia is an equal opportunity employer and does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, status as a Vietnam Era Veteran or disabled veteran or any other status protected by law, in matters pertaining to employment.*

## **Supplemental Questions**

Required fields are indicated with an asterisk (\*).

1. \* How did you hear about Community College of Philadelphia?
  - CareerBuilder.com
  - HigherEdJobs.com
  - LinkedIn
  - The Chronicle
  - Veterans Job Fair
  - Professional & Technology Diversity Career Fair
  - AL DIA - Diversity Career Fair
  - Community College of Philadelphia Website
  - Indeed.com
  - Other
2. If your answer to the above question is Other, please note the source below. If this question does not apply to you, enter N/A.

(Open Ended Question)

3. \* Do you possess a high school diploma or GED?
  - Yes
  - No
4. \* Do you have at least 5 years of industry experience in CNC machining or advanced

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manufacturing?

- Yes
- No

5. \* Do you have experience teaching or training in a community college, technical school, union apprenticeship program, or industrial setting?
- Yes
  - No
6. \* Do you have experience working with HAAS machines, Drill Press, Milling Machines, and lathes, and knowledge of all aspects regarding work safety protocol?
- Yes
  - No
7. \* Do you have expertise in using precision measurement tools, interpreting blueprints, and applying Geometric Dimensioning and Tolerancing (GD&T)?
- Yes
  - No
8. \* Do you have competency in CAD/CAM software platforms such as Fusion 360, SolidWorks, Mastercam?
- Yes
  - No
9. \* Are you bilingual?
- Yes
  - No

## **Documents Needed to Apply**

### **Required Documents**

1. Resume
2. Cover Letter/Letter of Application

### **Optional Documents**

1. Unofficial Transcripts



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**Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact** Abby Ametrano Aametrano@ccp.edu  
All Jobs  
Community College of Philadelphia

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