Program Description
The Precision Machining Technology Certificate is a series of courses with a concentration in the skill sets required to be a machinist. The four course series is designed to follow the National Institute for Metalworking Skills Machinist Level I credential. Conventional and CNC mill and lathe concepts are covered. Students who successfully complete this certificate program should be successful in a manufacturing environment.

Program Goals
- Qualify for entry-level employment in machine shops.
- Diagnose and troubleshoot problems with manufacturing processes.
- Develop manufacturing methods for part creation.
- Facilitate process improvement methodologies on the factory floor.
- Research and develop new methods/processes for improving future manufacturing performance.

Program Student Learning Outcomes
Upon completion of this program, the student will be able to:
1. Demonstrate the ability to run conventional machine shop equipment.
2. Demonstrate the ability to measure with precision.
3. Understand the dangers involved with working around industrial equipment and be able to do it safely.
4. Demonstrate proficiency in reading and interpreting part prints.
5. Demonstrate the ability to read and interpret basic GDT Y14.5 symbols.

Employment Opportunities
Upon successful completion of the Precision Machining Technology Certificate, students should be qualified to begin careers including: Conventional machinist (also referred to as Manual Machinist), CNC Machinist, Machinist Helper, Manufacturing Technician, Fabrication Technician, entry level Tool and Die maker, Mechanical Designer, supervisory positions, quality control positions, CNC Programmer.

Contact Person
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(856)227-7200, ext. 4517
E-mail: kschmidt@camdencc.edu

This Program is Not Approved for Financial Aid

First Year/First Semester
<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>CIM-101</td>
<td>Machine Shop Practice</td>
<td>3</td>
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<tr>
<td>CIM-221</td>
<td>CNC Programming and CAM</td>
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Second Semester/Spring
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<tr>
<td>CIM-202</td>
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<tr>
<td>CIM-219</td>
<td>CNC Machinist</td>
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Total Minimum Credits 13