



DCC
Danville Community College



Pittsylvania Career and Technical Center
Precision Machining

For More Information

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Precision Machining

9 th Grade
English 9
World History I or II
Earth Science
Algebra I or Geometry
PE9
Materials & Processes Technology (8433)
Elective
Elective

10 th Grade
English 10
Biology
Geometry, Algebra II, or Algebra Functions & Data Analysis
PE10
Elective
Elective
Technical Drawing & Design (8435)—First Semester
Engineering, Drawing, & Design (8436) — Second Semester

11 th Grade
English 11
US History
Economics & Personal Finance
Algebra Functions & Data Analysis, Adv. Algebra/Trigonometry, or Pre-Calculus
Fall Semester
Precision Machining I (85396)
Spring Semester
Precision Machining I (85396)

12 th Grade
English 12
US Government
Computer Information Systems (6612)
Environmental Science, Astronomy, or Chemistry
Fall Semester
Precision Machining II (85406)
Spring Semester
Precision Machining II (85406)

Dual Enrollment Credit

Courses at Base School

- ◆ Technical Drawing & Design (3)
- ◆ Engineering, Drawing, & Design (4)
- ◆ Computer Information Systems (3)

Courses at PCTC

- ◆ MAC101 Machine Shop I (8)
- ◆ SAF130 Industrial Safety (1)
- ◆ MAC102 Machine Shop II (7)
- ◆ MTH103 Basic Technical Math I (3)
- ◆ MAC221 Adv. Machine Tool Operations (7)
- ◆ MAC121 Numerical Control (2)
- ◆ MTH104 Basic Technical Math II (3)
- ◆ MAC127 Advanced CNC Programming (3)
- ◆ DRF160 Machine Blueprint Reading (3)
- ◆ SDV100 College Success Skills (1)

Industry Certifications

National Institute for Metalworking Skills (NIMS)

- ◆ NIMS Measurement, Materials, and Safety Level I
- ◆ NIMS CNC Turning Operations Level I

Credentials

- ◆ OSHA 10

Program Benefits

- ◆ A student who graduates and passes all of the program requirements would graduate high school with:
 - Standard or advanced diploma
 - 30 High School Credits
 - 48 Dual Enrollment College Credits
- ◆ Students/Parents can save an estimated \$6,000 of college tuition by completing the Program of Study while in high school.
- ◆ Students can enroll in the Precision Machining Technology Program at DCC in August and graduate in May prepared for high paying jobs.
- ◆ Students are prepared for a seamless transition into Danville Community College's Precision Machining Program.

**Please note, in addition to Technical and Program requirements, students must complete the requirements for graduation at the base school.