

MANUFACTURING TECHNOLOGY: BLUEPRINT READING

Pierce County Careers Connection Dual Credit Articulation Agreement

Upon completion of high school courses equivalent to the following competencies:

- Perform Basic Arithmetic
 - Addition, Subtraction, Multiplication, and Division of:
 - ~Common fractions
 - ~Mixed numbers
 - ~Decimals
 - Convert common fractions, mixed numbers, and decimals to equivalent number forms.
 - Round decimals, mixed numbers, and fractions.

 - Perform Math Functions Using Basic Measuring Tools with 80% Accuracy or Greater
 - Micrometer
 - Vernier calipers
 - Vernier height gauges
 - Protractors
 - Center gauges

 - Analyze and Apply Basic Principles of Lines on a Given Blueprint
 - Object lines
 - Hidden lines
 - Center lines
 - Extension lines
 - Projection lines
 - Line combinations
 - ~Arc/lines
 - ~Geometric shapes

 - Analyze and Apply Basic Principles of Blueprint Views:
 - Interpret two view drawings
 - Interpret three view drawings
 - Interpret auxiliary views

 - Interpret and Understand Dimensioning
 - Size and location of print dimensioning
 - Dimensioning of hole, cylinder points, arcs, and angles
 - Unilateral dimensioning
 - Bilateral dimensioning
 - Threads-internal and external
 - Tapers
-

A student earning a “B” grade or better may earn college credit at one of the following colleges:

<u>College</u>	<u>Course</u>	<u>Credits</u>
Clover Park Technical College	MCH 105 CIP Code: 48.0501	6