

Mission Statement

Measures

Machine Tool Technology Outcome Set

Learning Outcome

Learning Outcome: Machining skills

Apply basic machining skills per industry standard

▼ **Measure:** Skills USA CNC Milling and Turning Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

The mean score will be equal to or greater than the national average. 50% or more of the students will score above the national average.

Ideal Target:

The mean score will be 10% greater than the national average. 60% or more of the students will score above the national average.

Implementation Plan
(timeline):

Spring 20

Key/Responsible

Kevin Huwe/Tony Hanson

Personnel:

Learning Outcome: CNC programming

Demonstrate knowledge of CNC programming per industry standards

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Program level Direct - Exam

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Implementation Plan
(timeline):

Spring 20

Key/Responsible
Personnel:

Kevin Huwe/Tony Hanson

Learning Outcome: CNC setup

Set up a CNC machine per industry standard

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Implementation Plan

Spring 20

(timeline):

Key/Responsible

Kevin Huwe/Tony Hanson

Personnel:

Learning Outcome: Mathematical calculations

Perform mathematical calculations as needed for calculating speeds, feeds, program coordinates, and angles.

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Implementation Plan

Spring 20

(timeline):

Key/Responsible

Kevin Huwe/Tony Hanson

Personnel:

Learning Outcome: Blueprint reading

Communicate and demonstrate an understanding of all symbols on a blueprint

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Program level Direct - Exam

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Implementation Plan
(timeline):

Spring 20

Key/Responsible
Personnel:

Kevin Huwe/Tony Hanson

Learning Outcome: Work inspection

Inspect work per industry standards

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Program level Direct - Exam

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Implementation Plan
(timeline):

Spring 20

Key/Responsible
Personnel:

Kevin Huwe/Tony Hanson

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