

**CENTRAL NEW MEXICO COMMUNITY COLLEGE**  
**ASSESSMENT REPORT**  
*Due to SAAC by October 15*

**PART 1: CONTACT & PROGRAM IDENTIFICATION**

Report Year and Contact Information:			
Fall 2014 – Spring 2015	Wayne Woody	Wwoody1@cnm.edu	224-4000 EXT. 50002
<b>Academic Year</b>	<b>Contact Person</b>	<b>Email</b>	<b>Phone Number</b>

Subject of this Assessment Report:		
<b>Program:</b> Machine Tool Tech. <input checked="" type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input checked="" type="checkbox"/> AAS	<b>Gen Ed Area:</b> _____ Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	<b>Discipline Area:</b> Machine Tool

**PART 2: EVIDENCE OF ACHIEVEMENT OF PROGRAM OUTCOMES**

Summary of Program Success in Achieving Desired Outcomes
The desired outcomes were met by the students. The students demonstrated the required skills needed to perform and complete each assignment.

Description and Evaluation of Recent Changes Made in Support of Student Learning:
The students perform the needed task required by the instructors, and any changes are reflective of the industry feed back.

**PART 3: REPORT ON RECENT ASSESSMENT OF STUDENT LEARNING PROCESSES**

Learning Outcome(s)/Exit Competencies Assessed:	Classes/Cohorts Assessed:
<i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>  The student Learning Outcomes are assessed by the quality of the parts produced during class, and the amount of supervision needed to complete the task.	Matt 2005, 2010, 2020, 2030, 2040

The student performed the required set-up, then manufactured required projects	Matt 2005, 2010. 2020, 2030, 2040
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Measurement Tool(s) Used:	Enter X's for type of tool				Initial Achievement Target or Expectation:
	Internal	External	Direct	Indirect	
<i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>					
3. Specific assignments, class projects, exam/class projects;			X		
4. Specific assignments, class projects, exam/class projects			X		

<b>Assessment Results/Findings:</b>
For the ability to process, program, set-up the machine, and complete to manufacturing process, 90% of the students performed at or above the industry entry level.

<b>Analysis and Interpretation of Assessment Results/Findings:</b>
As students participated in the manufacturing process, the students gained ability and confidence, which require less supervision.

<b>Action Plan in Support of Student Learning:</b>
The Faculty will continue to work on the needs of the students and strive to spend more time on the processes each individual struggles to complete.

<b>Recommendations, Proposals, and/or Funding Requests:</b>
The more machines that Machine Tool has there is more time for each student to have hands on machine time to build their skills.

**PART 4: EMBEDDED OUTCOMES**

<b>Critical Thinking and Life Skills/Teamwork Development within Programs:</b>
a) Please describe how Critical Thinking assessment is embedded within your program assessment.
b) Please describe how Life Skills/Teamwork assessment is embedded within your program assessment.

Machine Tool is not an exact science, every task has a diverse set of skills need to complete. These require that the student perform critical thinking to develop the process and to perform them correctly to achieve the desired results.

Machine requires that the student arrive in a timely manner, the student must manage their time in a mature manner, and in some cases, the students need to work with other students to perform the task require to complete the projects required by the instructor.

**PART 5: ASSESSMENT CYCLE PLAN** (Copy and paste from original plan if unchanged)

Cycle Years:	Plan Description:
20015-2020	The students will be assessed on every competencies needed to perform in industry. Every student learning outcome must be assessed for the student to be a success in the work force. The complete package is what the industry require and that is what our students need to be.

Student Learning Outcomes/Exit Competencies:	When Measured:	Where Measured:	How Measured:
1. Basic Shop Safety	Every term	All Matt	observation
2. The safe operation of machine tools.	Every term	All Matt	observation
3. Understand machine tool terminology	Every term	All Matt	observation
4. Shop math	Every term	Matt 1001, All Matt	Written test, ability to perform needed calculations to complete required projects.
5. Blueprint reading	Every term	Matt 1005, All Matt	Written test, ability to demonstrate understanding.
6. Programming CNC machines using the required software.	2 <sup>nd</sup> and 3 <sup>rd</sup> Terms	Matt 2010, 2020, 2030, 2040	Complete the required task with minimal supervision.
7. Demonstrate the knowledge required to successfully set-up CNC machine tools.	2 <sup>nd</sup> and 3 <sup>rd</sup> Terms	Matt 2010, 2020, 2030, 2040	Complete the set-up procedure with minimal supervision.
8.			
9.			
10.			