**Executive Summary**

(After completing the questions on the next few pages, please replace this area with a written executive summary of the questions that follow, including your data analysis, findings, action plan, and improvements you have already made. This will be the top sheet of your report. This summary should be at least a paragraph, and can definitely be longer if desired.)

**Faculty Included in the Preparation and Sharing of this Report:**

(please replace this area with the names of all faculty that helped to prepare and provide input on this report. This includes faculty who were parts of draft discussions and conversations. Ideally, it is all faculty representing the core disciplines making up the degree or certificate.)

**Please provide a brief and cogent narrative in response to each of the following questions.**

1. Provide a quantitative analysis for each PLO your CLOs inform. Provide the total number of students who passed/total number of students assessed in each PLO column *and* the corresponding PLO passing rate as an aggregated percentage*.*

**AWARD (and corresponding PLO) Students Passed/Assessed TOTAL RATE**

A.S. Degree: Machine Tool Technology

1. *Demonstrate compliance with current machine shop safety and environmental regulations. N/A N/A*
2. *Perform mill, lathe, drill press, precision grinding, measurement, and basic CNC operations N/A N/A*

*in accordance with industry recognized and accepted practices.*

Skills Recognition: Machine Tool Technology 1

1. *Demonstrate compliance with current machine shop safety and environmental regulations. N/A N/A*
2. *Perform mill, lathe, drill press, precision grinding, measurement, and basic CNC operations N/A N/A*

*in accordance with industry recognized and accepted practices.*

Certificate of Achievement: Machine Tool Technology 2

1. *Demonstrate compliance with current machine shop safety and environmental regulations. N/A N/A*
2. *Perform operations using manual mills, lathes, drill press, precision grinders, conduct basic N/A N/A*

*precision measurement, and program and operate basic CNC lathes and milling machines*

*in accordance with industry recognized and accepted practices.*

Skills Recognition: CNC Operator

1. *Demonstrate compliance with current CNC machining safety and environmental regulations. N/A N/A*
2. *Perform CNC machine shop operations in accordance with industry recognized and accepted N/A N/A*

*practices.*

Skills Recognition: CNC Programmer

1. *Manually format and produce a word address format code that will operate a vertical N/A N/A*

*machining to center spot, drill, bore, tap, and countersink a combination of ten holes within*

*one hour.*

1. *Produce word address format code that will operate a vertical machining center to produce N/A N/A*

*a part of moderate complexity within one hour.*

1. *Manually input and properly format a word address format program that will produce a N/A N/A*

*part on a CNC lathe that will have three turned diameters, at least one chamfered and one*

*radiused edge within one hour.*

Certificate of Achievement: Maintenance Machinist 2

1. *Demonstrate compliance with current machine shop safety and environmental regulations. N/A N/A*
2. *Perform manual machine shop operations in accordance with industry recognized and N/A N/A*

*accepted practices.*

Skills Recognition: Maintenance Machinist 1

1. *Demonstrate compliance with current machine shop safety and environmental regulations. N/A N/A*

1. *Perform manual machine shop operations in accordance with industry recognized and N/A N/A*

*accepted practices.*

1. Reflect on, consider and analyze the data you have. ***What does your CLO data tell you about how your students are achieving PLOs?*** *Be detailed, descriptive and analytical* in this qualitative assessment of each PLO in relation to your CLO data. **Are your results satisfactory?**

1. Your department and the college should be making improvements based on student learning outcomes assessment, and we need to continue to document and share the improvements and progress you have already made. Did you make any changes in your CLO or PLO statements or analysis during the last cycle or recently? Did you receive funding for resources requests that were aimed to improve assessment results? Did you make any improvements in the areas of teaching and instruction processes, your courses, or your program? *Please explain your accomplishments and provide details about your efforts.*
2. **Action Plan.** Based on the assessments and analysis you have provided, please consider what changes or improvements you would like to make, which might include updating your CLO statements, modifying course outlines, rethinking instruction efforts, using different assessment instruments, asking for additional resources to improve assessment results, etc. ***Based on the analysis, provide an action plan for improvement that draws on your assessment results and efforts.***