Subject Area Committee Name: Machine Manufacturing Technology	
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CTE SACs have the responsibility to assess their degree and certificate outcomes. Outcomes for each degree and certificate can be found here.

In the table below, list each outcome, all the relevant degree(s)/certificate(s), the Core Outcome(s) each maps to, and the schedule for summary data assessment*. If you have questions about how to complete the form, consult the Help Guide to Completing the Multi-Year Assessment Plan for CTE 2013-2014, or consult with your LAC coach.

We recognize some SACs have more outcomes than can realistically be comprehensively assessed on a two-year cycle. If this is the case for your SAC, contact your LAC coach to develop an alternative assessment cycle.

*Summary data is defined as the information relevant to understanding student outcome attainment (e.g., totals, averages, percentages, etc.) for all the degree/certificate outcomes assessed that year. This data can come from various types of assessments (e.g., TSAs, external exams/assessments, internal exams/assessments, and employer assessments).

‡PCC Core Outcomes Codes

Communication (**C**) Cultural Awareness (**CA**) Community and Environmental Responsibility (**C&ER**) Professional Competence (**PC**) Self Reflection (**SR**) Critical Thinking and Problem Solving (**CT&PS**)

Multi-Year Plan

The expectation is that most SACs will be able to complete their outcome assessment cycle in two years and then repeat the cycle. If your SAC needs more time, please consult with your coach to work out an alternate plan (4 years probably representing the maximum length), and add more columns for the additional years. (These plans may need to be reviewed and corrected after two years.)

Outcome *(add additional rows if required)*	*Applicable Degree(s)/ Certificate(s)*	*Core Outcome Code(s) ‡*	*TSA**	*Every Year*	*2013-2014*	*2014-2015*
Demonstrate knowledge in understanding of machine shop safety.	AAS / 1yr. CNC Turning / CNC Milling / Career Pathways Certificate	C PC	F			
Utilize an industry mechanical drawing (blueprint) to select and interpret processes, procedures, inspection equipment and operation of necessary machine tools to produce the part/product to industry specifications.	AAS / 1yr. CNC Turning / CNC Milling / Career Pathways Certificate	C PC SR CT&PS	F			
Verify acceptable dimensional tolerances by the use of precision	AAS / 1yr. CNC Turning	C	F			

measurement and inspection tools.	/ CNC Milling / Career Pathways Certificate	PC SR CT&PS				
Accurately perform conversions, computations and calculations that result in parts production to specification, while maintaining optimal machining conditions.	AAS / 1yr. CNC Turning / CNC Milling	C PC SR CT&PS	F			
Write CNC programs for Fanuc (G & M compatible) controlled CNC turning and machining centers using basic programming skills.	AAS / 1yr. CNC Turning / CNC Milling	C PC SR CT&PS	F			
Perform safe maintenance, setup, and operating procedures with the manual machine tools group.	AAS / 1yr. CNC Turning / CNC Milling / Career Pathways Certificate	C PC SR CT&PS	F			
Perform safe setup and operating procedures with the computer numerical control (CNC) turning and machining centers.	AAS / 1yr. CNC Turning / CNC Milling	C PC	F			

		SR CT&PS				
Construct and verify computer designed 2-D and 3-D part models and tool paths commonly machined with CNC turning and machining centers.	AAS / 1yr. CNC Turning / CNC Milling / Career Pathways Certificate	C PC SR CT&PS	F			

*TSA Column: If this outcome is fully assessed by a TSA, mark 'F' (fully) here. Mark 'P' if a TSA partially assesses this outcome and indicate in the appropriate column when the other aspects of the outcome will be assessed. Leave this cell blank if a TSA is not used with this outcome.