

<i>Subject Area Committee Name:</i> Microelectronic 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.

AAS-AUT = Automated Manufacturing Technology AAS Degree

AAS-MT = Microelectronics Technology AAS Degree

AAS-SOL : Solar Voltaic Manufacturing Technology AAS Degree

ACERTP-MTS : Solar Voltaic Manufacturing Technology: Career Pathway Certificate

*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
Use systematic methodologies and apply understanding of process equipment to trouble-shoot common process equipment problems.	AAS-MT, AAS-SOL	CT&PS PC	F			
Apply a good foundation in maintenance to perform basic industry standard maintenance procedures.	AAS-MT, AAS-SOL	PC				x
Operate, maintain and troubleshoot automated equipment used in a manufacturing environment.	AAS-AUT	CT&PS PC	P			x
Maintain automated systems used in work flows and for material and supply handling.	AAS-AUT	CT&PS PC	P			x
Trouble-shoot basic analog and digital circuits.	AAS-MT, AAS-SOL, AAS-AUT	CT&PS				x

Monitor and maintain manufacturing processes.	AAS-MT	PC			X	
Monitor and maintain solar voltaic manufacturing processes.	AAS-SOL	PC			X	
Monitor solar voltaic manufacturing processes.	ACERTP-MTS	PC			X	
Work effectively in teams.	AAS-MT, AAS-SOL, AAS-AUT	PC C				X
Communicate effectively with colleagues and vendors	AAS-MT, AAS-SOL, AAS-AUT	PC C			X	
Communicate basic solar voltaic concepts with colleagues and vendors.	ACERTP-MTS	PC C			X	

*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.