

Program Outcome and Assessment(s)
2019-2020 Program Outcome Assessments Year-End Reporting Form
Program Review Cycle - 2018-19

In response to SACSCOC 8.2, *“The institution identifies expected outcomes, assesses the extent to which it achieves these outcomes, and provides evidence of seeking improvement based on analysis of the results ...”*

Name of Program: Computer-Integrated Machining

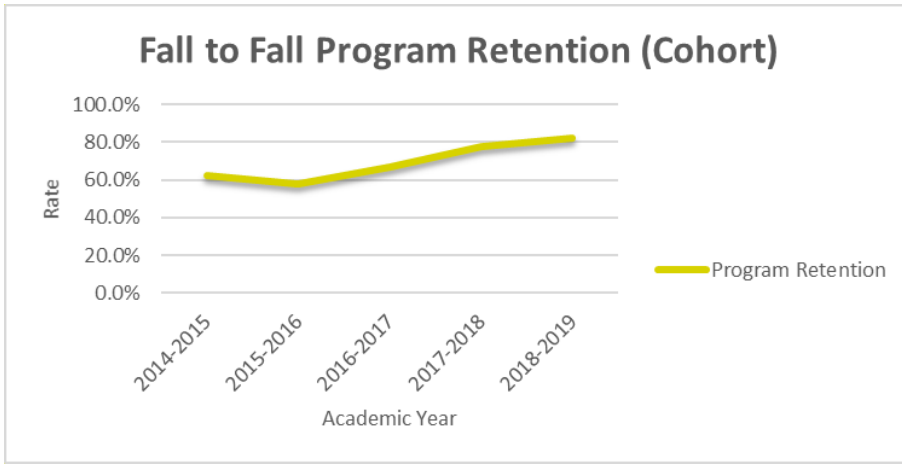
Program Outcome #1: Program Retention, Fall to Fall

Baseline: 62 % (Average of three years – 2014-15; 2015-16; 2016-17; fall-to-fall program retention)
Standard: 64 % Fall to Fall
Target: 67 % Fall to Fall

2019-2020 Action / Strategy Items:

Item #	Action / Strategy Items: (Actions / strategies identified in the 2018-19 program review.)	Results / Use of Results: (Provide results of the action / strategy identified. Was the action / strategy successful? If not, did you want to continue this action / strategy going forward? If so, please include this action / strategy in the 2020-21 action / strategies table below.)
1	Use Fall to Spring program retention data for a more comprehensive analysis of program assessment.	The use of Fall to Spring program retention data has given a more in depth assessment.

Year (Fall to Fall)	Program Fall Enrollment Cohort	Program Completers	Program Returners	Program Non-Completers	Program Transfers	Program Retention
Fall 2014-Fall 2015	45	8	20	16	1	62.2%
Fall 2015-Fall 2016	40	3	20	16	1	57.5%
Fall 2016-Fall 2017	33	12	10	10	1	66.7%
Fall 2017-Fall 2018	27	9	12	6	0	77.8%
Fall 2018-Fall 2019	22	10	8	4	3	81.8%



Provide narrative for analysis of program retention data *(Based on the data, provide a narrative of your analysis of fall to fall retention. Indicate factors that may have affected your retention. State any changes you plan to address for next year that may affect retention.)*

Fall to Fall Retention has increased over the last two years. Factors affecting retention include life challenges of working too many hours outside of school. Students who are from the military community affect retention if demands require relocation.

Provide narrative for analysis of program retention standard/target *(As a result of the data analysis, indicate changes to the standard or target. Did you meet your standard/target? If you met your standard/target, what percentage would you like to increase your standard/target?)*

Target and standard will remain the same.

2020-2021 Action / Strategy Items:

(Identify and address outcome assessments that fall below the established standard and/or target and additional recommendations resulting from the review.)

Item	Action / Strategy Items <i>(Identify action items as a result of your program outcome assessment.)</i>	Target Date <i>(Identify your projected target date for completion of action items.)</i>	Assessment of Action Items <i>(State the method of assessment; how you plan to evaluate/assess the results of the action items.)</i>
1	Meet with CCP personnel 3 times per year.	Fall, Spring, Summer	Communicate each semester regarding CCP student issues.
2	Continue to encourage students the importance of completing the program.	Summer 2021	Continue to use Fall to Summer Retention Data

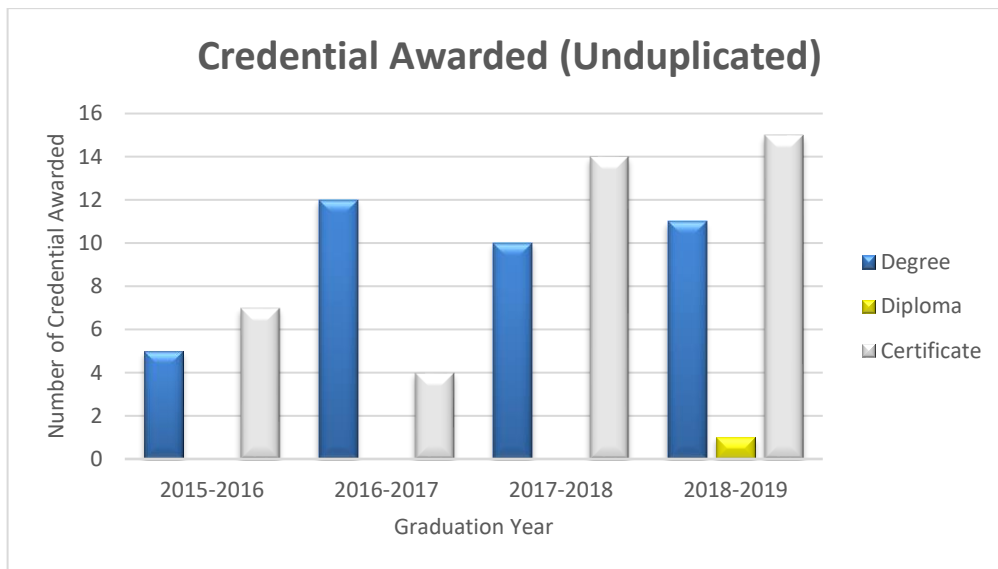
Program Outcome #2: Completions (Graduation) (unduplicated)

Baseline: 17 # (Average of three years – 2015-16; 2016-17; 2017-18)
Standard: 19 #
Target: 26 #

2019-2020 Action / Strategy Items:

Item #	Action / Strategy Items: (Actions / strategies identified in the 2018-19 program review.)	Results / Use of Results: (Provide results of the action / strategy identified. Was the action / strategy successful? If not, did you want to continue this action / strategy going forward? If so, please include this action / strategy in the 2020-21 action / strategies table below.)
1	Use Fall to Summer program completion data.	Using the Fall to Summer completion data it gives

Number of Completers (unduplicated) – Graduation Year – Summer, Fall, Spring				
Graduation Year	Degree	Diploma	Certificate	Total
2015-2016	5	0	7	12
2016-2017	12	0	4	16
2017-2018	10	0	14	24
2018-2019	11	1	15	27



Provide narrative for analysis of completion data (Based on the data, provide a narrative of your analysis of completions. Indicate factors that may have affected your completions. How might you increase the number of completers in your program?)

Certificates were introduced to make students aware of the hiring process for our graduates and which type of student will be more likely to get hired. Also helps with retention to see that the student is earning a certificate almost every semester.

Provide narrative for analysis of completion standard/target (As a result of the data analysis, indicate changes to the standard or target. Did you meet your standard/target? If you met your standard/target, what percentage would you like to increase your standard/target?)

We will continue with these strategies as positive results are observed.

2020-2021 Action / Strategy Items:

(Identify and address outcome assessments that fall below the established standard and/or target and additional recommendations resulting from the review.)

Item	Action / Strategy Items <i>(Identify action items as a result of your program outcome assessment.)</i>	Target Date <i>(Identify your projected target date for completion of action items.)</i>	Assessment of Action Items <i>(State the method of assessment; how you plan to evaluate/assess the results of the action items.)</i>
1	Help students be more successful in the program by making sure they understand what is expected.	Fall 2021	From the completion data.

Program Outcome #3: Job Placement / Employment

Baseline: 124 % (Average of three years – 2015-16; 2016-17; 2017-18 employed/more education)
Standard: 126 %
Target: 128 %

2019-2020 Action / Strategy Items:

Item #	Action / Strategy Items: (Actions / strategies identified in the 2018-19 program review.)	Results / Use of Results: (Provide results of the action / strategy identified. Was the action / strategy successful? If not, did you want to continue this action / strategy going forward? If so, please include this action / strategy in the 2020-21 action / strategies table below.)
1	Coordinate student-employer communications. Follow up with students that have been employed after graduation.	We will continue this action to follow up with students that are employed after graduation.
2	Coordinate student-employer communications. Track student job placement in addition to students who seek further education (WCC Office of IE)	Will continue to track students who seek further education.

Employment Demand						
Year	Graduates	# Employed (within 1 Yr)	# Seeking More Education (within 1 Yr)	% Employed & Seeking More Education (add # employed and # seeking more education and divide by # of graduates)	Unknown	Other/Comments
2015-16	12	12	3	125%		
2016-17	16	14	5	119%		
2017-18	24	20	11	129%		
2018-19	27	18	5	85%		

Provide narrative for analysis of job placement/employment data (Based on the data, provide a narrative of your analysis of job placement / employment. Indicate factors that may have affected job placement / employment. How can your program promote higher employment of students in the field?)

Continue to track student completers who are employed after graduation to ensure job placement. Track students who continue his/her education.

Provide narrative for analysis of job placement/employment standard/target *(As a result of the data analysis, indicate changes to the standard or target. Did you meet your standard/target? If you met your standard/target, what percentage would you like to increase your standard/target?)*

Did not meet standard or target. Will continue to track students and employment.

2020-2021 Action / Strategy Items:

(Identify and address outcome assessments that fall below the established standard and/or target and additional recommendations resulting from the review.)

Item	Action / Strategy Items <i>(Identify action items as a result of your program outcome assessment.)</i>	Target Date <i>(Identify your projected target date for completion of action items.)</i>	Assessment of Action Items <i>(State the method of assessment; how you plan to evaluate/assess the results of the action items.)</i>
1	Coordinate student-employer communications. Follow up with students that have been employed after graduation.	Fall 2020	Communicate with student-employer and past graduates.

Program Outcome #4: Licensure and Certification Passing Rates (if applicable) Not applicable.

Baseline: N/A % (Average of three years – identify last three licensure years)
Standard: N/A %
Target: N/A %

2019-2020 Action / Strategy Items:

Item #	Action / Strategy Items: (Actions / strategies identified in the 2018-19 program review.)	Results / Use of Results: (Provide results of the action / strategy identified. Was the action / strategy successful? If not, did you want to continue this action / strategy going forward? If so, please include this action / strategy in the 2020-21 action / strategies table below.)
1	Not applicable.	

Licensure / Certification Exam – Title

NCCCS Report	Exam Year	# Tested	# Passed	% Passing	Index Score
2016	2014-15				
2017	2015-16				
2018	2016-17				
2019	2017-18				

Provide narrative for analysis of licensure / certification passing rates data (Based on the data, provide a narrative of your analysis of licensure / certification. Are you satisfied with your program licensure rates? State any changes you plan to address for licensure/certification passing rates.)

Not applicable.

Provide narrative for analysis of licensure / certification passing rates standard/target (As a result of the data analysis, indicate changes to the standard or target. Did you meet your standard/target? If you met your standard/target, what percentage would you like to increase your standard/target?)

Not applicable.

2020-2021 Action / Strategy Items:

(Identify and address outcome assessments that fall below the established standard and/or target and additional recommendations resulting from the review.)

Item	Action / Strategy Items (Identify action items as a result of your program outcome assessment.)	Target Date (Identify your projected target date for completion of action items.)	Assessment of Action Items (State the method of assessment; how you plan to evaluate/assess the results of the action items.)
1	Not applicable.		

Program Outcome #5: Third-Party Credentials (if applicable)

Baseline: 84 # (Average of three years – 2015-16; 2016-17; 2017-18)

Standard: 88 #

Target: 92 #

2019-2020 Action / Strategy Items:

Item #	Action / Strategy Items: (Actions / strategies identified in the 2018-19 program review.)	Results / Use of Results: (Provide results of the action / strategy identified. Was the action / strategy successful? If not, did you want to continue this action / strategy going forward? If so, please include this action / strategy in the 2020-21 action / strategies table below.)
1	Track number of student 3rd-party credentials awarded	Will continue to track third party credentials with NC3 certs.

Third-Party Credentials

Academic Year Fall, Spring, Summer	Credentials for Program of Study	# Tested (duplicated)	# Passed
2015-2016	PMI Tape and Rule	10	10
	PMI Slide Caliper	10	10
	PMI Gage Measurement	10	10
	PMI Angle Measurement	10	10
	PMI Micrometer Measurement	10	10
	PMI Dial Gage Measurement	10	10
2016-2017	PMI Tape and Rule	11	11
	PMI Slide Caliper	11	11
	PMI Gage Measurement	11	11
	PMI Angle Measurement	11	11
	PMI Micrometer Measurement	11	11
	PMI Dial Gage Measurement	11	11
2017-2018	PMI Tape and Rule	19	19
	PMI Slide Caliper	19	19
	PMI Gage Measurement	19	18
	PMI Angle Measurement	19	18
	PMI Micrometer Measurement	19	18
	PMI Dial Gage Measurement	19	16
	AMI Primary Standards	5	5
	AMI Flexible Measuring Tools	5	5
	AMI Support and Layout	5	5
	AMI Surface Finish Inspection and	5	5
	Hardness Testing		
2018-2019	PMI Tape and Rule	15	15
	PMI Slide Caliper	15	15
	PMI Gage Measurement	15	14
	PMI Angle Measurement	15	15
	PMI Micrometer Measurement	15	15

	PMI Dial Gage Measurement	15	13
	AMI Primary Standards	7	7
	AMI Flexible Measuring Tools	7	7
	AMI Support and Layout	7	7
	AMI Surface Finish Inspection	7	7
	AMIHardnessTesting	7	7
	Mastercam Mill Certificate	11	11
	Mastercam Lathe Certificate	11	11

Provide narrative for analysis of third-party credentials data *(Based on the data, provide a narrative of your analysis of third-party credentials. Are there other industry-recognized credentials that need to be addressed for the program of study? What are other means to promote program third-party credentials.)*

The third party credentials listed above help our students understand the importance of measuring and surface finishes. Which allows them to be more successful in the program.

Provide narrative for analysis of third-party credentials standard/target *(As a result of the data analysis, indicate changes to the standard or target. Did you meet your standard/target? If you met your standard/target, what percentage would you like to increase your standard/target?)*

90% of the students in this cycle passed the exam and met the standard/target. We can increase the target to 93%.

2020-2021 Action / Strategy Items:

(Identify and address outcome assessments that fall below the established standard and/or target and additional recommendations resulting from the review.)

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1	Incorporate more practice that will prepare students for each exam.	Fall 2020	Prepare students for their exams.

Program Outcome #6: Other Assessment (if applicable)

2019-2020 Action / Strategy Items:

Item #	Action / Strategy Items: <i>(Actions / strategies identified in the 2018-19 program review.)</i>	Results / Use of Results: <i>(Provide results of the action / strategy identified. Was the action / strategy successful? If not, did you want to continue this action / strategy going forward? If so, please include this action / strategy in the 2020-21 action / strategies table below.)</i>
1	Use Moodle as a supplemental instruction resource. Monitor students in each module of Moodle.	Continue to use Moodle for each class so they will have a good resource when the instructor is unavailable.

2020-2021 Action / Strategy Items:

(Identify and address outcome assessments that fall below the established standard and/or target and additional recommendations resulting from the review.)

Item	Action / Strategy Items <i>(Identify action items as a result of your program outcome assessment.)</i>	Target Date <i>(Identify your projected target date for completion of action items.)</i>	Assessment of Action Items <i>(State the method of assessment; how you plan to evaluate/assess the results of the action items.)</i>
1	Not applicable.		