Program Outcomes Assessment Follow-Up
2023-2024 Program Outcome (PO) Year End Reporting Form

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

Outcome #1: Enrollment *(unduplicated)*

Action Items from 2022-23 Program Outcome Year-End Report:

Item #	Action Items: *(Action item identified in the 2022-23 program outcome year-end report.)*	Results / Use of Results: *(Provide results of the action item identified. Was the action item successful? If not, did you want to continue this action item going forward? If so, please include this action item in the 2024-2025 action items table below.)*
1	Schedule high school tours to come through shops and classrooms. (Assessed by: Continue to compare numbers from previous years to see if enrollment is up.)	For the past year the instructors have had high school tours and have visited the high schools to get a better relationship with instructors and possible new students.
2	Having more of a Social Media presence (Assessed by: To show the community what WCC Machining program has to offer.)	This is still an ongoing process. We have had more outreach through social media in the semester of Fall 2024. It has been successful with new students signing up for Spring 2025. Will continue to grow our social media presence.

Baseline: **27** # (*Average of total enrollment for the last three years – 2018-19; 2019-20; 2020-21*)
Standard: **28** #
Target: **30** #

Program Enrollment

Program Enrollment (unduplicated)	
Academic Year (Fall, Spring, Summer)	**Enrollment**
2020-2021	24
2021-2022	15
2022-2023	17

All Levels

Enrollment by Ethnicity, Gender, and Age

Ethnicity & Gender Table

Ethnicity & Gender	2020-2021		2021-2022		2022-2023	
	N	%	N	%	N	%
African American, Female	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, Female	0	0.0%	0	0.0%	0	0.0%
Asian, Female	0	0.0%	0	0.0%	0	0.0%
Caucasian, Female	2	8.3%	2	13.3%	3	17.6%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	1	4.2%	1	6.7%	1	5.9%
Two or More Races, Female	0	0.0%	0	0.0%	0	0.0%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	3	12.5%	3	20.0%	4	23.5%
African American, Male	4	16.7%	2	13.3%	1	5.9%
American Indian/Alaskan Native, Male	1	4.2%	0	0.0%	0	0.0%
Asian, Male	0	0.0%	0	0.0%	1	5.9%
Caucasian, Male	11	45.8%	6	40.0%	6	35.3%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	5	20.8%	4	26.7%	3	17.6%
Two or More Races, Male	0	0.0%	0	0.0%	2	11.8%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	21	87.5%	12	80.0%	13	76.5%
Total	24	100.0%	15	100.0%	17	100.0%

Ethnicity & Age Range Table

Ethnicity & Age Range	2020-2021`		2021-2022		2022-2023	
	N	%	N	%	N	%
African American, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Asian, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Caucasian, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Under the age of 18	1	4.2%	0	0.0%	0	0.0%
Two or More Races, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Unknown, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Under the age of 18 Total	1	4.2%	0	0.0%	0	0.0%
African American, 18-24	2	8.3%	1	6.7%	0	0.0%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	0	0.0%
Asian, 18-24	0	0.0%	0	0.0%	0	0.0%
Caucasian, 18-24	8	33.3%	2	13.3%	4	23.5%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	4	16.7%	4	26.7%	3	17.6%
Two or More Races, 18-24	0	0.0%	0	0.0%	1	5.9%
Unknown, 18-24	0	0.0%	0	0.0%	0	0.0%
18-24 Total	14	58.3%	7	46.7%	8	47.1%
African American, 25-44	2	8.3%	1	6.7%	1	5.9%
American Indian/Alaskan Native, 25-44	1	4.2%	0	0.0%	0	0.0%
Asian, 25-44	0	0.0%	0	0.0%	1	5.9%
Caucasian, 25-44	4	16.7%	6	40.0%	5	29.4%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	1	4.2%	1	6.7%	1	5.9%
Two or More Races, 25-44	0	0.0%	0	0.0%	1	5.9%
Unknown, 25-44	0	0.0%	0	0.0%	0	0.0%
25-44 Total	8	33.3%	8	53.3%	9	52.9%
African American, 45-64	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, 45-64	0	0.0%	0	0.0%	0	0.0%
Asian, 45-64	0	0.0%	0	0.0%	0	0.0%
Caucasian, 45-64	1	4.2%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander, 45-64	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 45-64	0	0.0%	0	0.0%	0	0.0%
Two or More Races, 45-64	0	0.0%	0	0.0%	0	0.0%
Unknown, 45-64	0	0.0%	0	0.0%	0	0.0%
45-64 Total	1	4.2%	0	0.0%	0	0.0%
African American, 65+	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, 65+	0	0.0%	0	0.0%	0	0.0%
Asian, 65+	0	0.0%	0	0.0%	0	0.0%
Caucasian, 65+	0	0.0%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander, 65+	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 65+	0	0.0%	0	0.0%	0	0.0%
Two or More Races, 65+	0	0.0%	0	0.0%	0	0.0%
Unknown, 65+	0	0.0%	0	0.0%	0	0.0%
65+ Total	0	0.0%	0	0.0%	0	0.0%
Total	24	100.0%	15	100.0%	17	100.0%

Provide narrative for analysis of program enrollment. *(Is enrollment increasing or decreasing? What are possible reasons for increase/decrease? Describe any action plans to improve or increase program enrollment.)*

Our enrollment target hasn't been met this past year but is on the rise for the Spring of 2025. Enrollment in the program is increasing with more engagement with local high schools. This is due to the instructors going to Wayne County high schools and recruiting.

2024-2025 Action Items:

Item	Action Items *(What actions can be taken to increase enrollment in your program?)*	Assessment of Action Items *(How will you assess the results of action items?)*
1	Forming a connection with our high school/college Career Coach to better help us form a connection to students that are interested in manufacturing fields.	Is there an increase in "College Career Promise" students?
2	Work with campus recruiter and our marketing department to inform non-high school students about our program.	Examine non-College Career Promise numbers. This may also improve CCP students, as family members will see the options through other platforms.

Outcome #2: Retention

Action Items from 2022-23 Program Outcome Year-End Report:

Item #	Action Items: *(Action item identified in the 2022-23 program outcome year-end report.)*	Results / Use of Results: *(Provide results of the action item identified. Was the action item successful? If not, did you want to continue this action item going forward? If so, please include this action item in the 2024-2025 action items table below.)*
1	We will continue to be engaging for our students and see if the Machining program's class schedule is best for the majority of students. (Assessed by: Follow up with students, make sure their needs are met to raise our completion rate.)	Retention rates have increased. We will continue with this strategy.

Baseline: **75.7** % (*Average of last three years – 2018-19; 2019-20; 2020-21; program retention*)
Standard: **77** %
Target: **78** %

Fall to Fall	Retention Rate
Fall 2020 to Fall 2021	69.6%
Fall 2021 to Fall 2022	67.0%
Fall 2022 to Fall 2023	78.6%

All Levels

Retention by Ethnicity, Gender, and Age

Ethnicity & Gender Table

Ethnicity & Gender	Fall 2020 to Fall 2021		Fall 2021 to Fall 2022		Fall 2022 to Fall 2023	
	N	%	N	%	N	%
African American, Female	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, Female	0	0.0%	0	0.0%	0	0.0%
Asian, Female	0	0.0%	0	0.0%	0	0.0%
Caucasian, Female	1	6.3%	2	25.0%	3	27.3%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	1	6.3%	0	0.0%	1	9.1%
Two or More Races, Female	0	0.0%	0	0.0%	0	0.0%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	2	12.5%	2	25.0%	4	36.4%
African American, Male	3	18.8%	1	12.5%	0	0.0%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	0	0.0%
Asian, Male	0	0.0%	0	0.0%	1	9.1%
Caucasian, Male	6	37.5%	2	25.0%	3	27.3%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	5	31.3%	3	37.5%	2	18.2%
Two or More Races, Male	0	0.0%	0	0.0%	1	9.1%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	14	87.5%	6	75.0%	7	63.6%
Total	16	100.0%	8	100.0%	11	100.0%

Ethnicity & Age Range Table

Ethnicity & Age Range	Fall 2020 to Fall 2021		Fall 2021 to Fall 2022		Fall 2022 to Fall 2023	
	N	%	N	%	N	%
African American, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Asian, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Caucasian, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Under the age of 18	1	6.3%	0	0.0%	0	0.0%
Two or More Races, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Unknown, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Under the age of 18 Total	1	6.3%	0	0.0%	0	0.0%
African American, 18-24	1	6.3%	1	12.5%	0	0.0%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	0	0.0%
Asian, 18-24	0	0.0%	0	0.0%	0	0.0%
Caucasian, 18-24	4	25.0%	0	0.0%	2	18.2%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	4	25.0%	3	37.5%	2	18.2%
Two or More Races, 18-24	0	0.0%	0	0.0%	0	0.0%
Unknown, 18-24	0	0.0%	0	0.0%	0	0.0%
18-24 Total	9	56.3%	4	50.0%	4	36.4%
African American, 25-44	2	12.5%	0	0.0%	0	0.0%
American Indian/Alaskan Native, 25-44	0	0.0%	0	0.0%	0	0.0%
Asian, 25-44	0	0.0%	0	0.0%	1	9.1%
Caucasian, 25-44	3	18.8%	4	50.0%	4	36.4%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	1	6.3%	0	0.0%	1	9.1%
Two or More Races, 25-44	0	0.0%	0	0.0%	0	0.0%
Unknown, 25-44	0	0.0%	0	0.0%	1	9.1%
25-44 Total	6	37.5%	4	50.0%	7	63.6%
African American, 45-64	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, 45-64	0	0.0%	0	0.0%	0	0.0%
Asian, 45-64	0	0.0%	0	0.0%	0	0.0%
Caucasian, 45-64	0	0.0%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander, 45-64	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 45-64	0	0.0%	0	0.0%	0	0.0%
Two or More Races, 45-64	0	0.0%	0	0.0%	0	0.0%
Unknown, 45-64	0	0.0%	0	0.0%	0	0.0%
45-64 Total	0	0.0%	0	0.0%	0	0.0%
African American, 65+	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, 65+	0	0.0%	0	0.0%	0	0.0%
Asian, 65+	0	0.0%	0	0.0%	0	0.0%
Caucasian, 65+	0	0.0%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander, 65+	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 65+	0	0.0%	0	0.0%	0	0.0%
Two or More Races, 65+	0	0.0%	0	0.0%	0	0.0%
Unknown, 65+	0	0.0%	0	0.0%	0	0.0%
65+ Total	0	0.0%	0	0.0%	0	0.0%
Total	16	100.0%	8	100.0%	11	100.0%

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

Average program retention for the past 3 years is 75.7%, succeeding our target of 78%. Our retention has continued to rise just at a slower rate than predicted.

2024-2025 Action Items:

Item	Action Items *(What actions can be taken to increase program retention?)*	Assessment of Action Items *(How will you assess the results of action items?)*
1	Curriculum Change to help students who have started or finished other manufacturing programs. So that students will have credit towards the program.	Monitor course and the students registered. Work with other departments to better understand each other's courses and how we can implement a double major for students.

Outcome #3: Completers *(unduplicated by highest level of attainment)*

Action Items from 2022-23 Program Outcome Year-End Report:

Item #	Action Items: *(Action item identified in the 2022-23 program outcome year-end report.)*	Results / Use of Results: *(Provide results of the action item identified. Was the action item successful? If not, did you want to continue this action item going forward? If so, please include this action item in the 2024-2025 action items table below.)*
1	Communicate with students the importance of completing the Associates Machining Degree (Assessed by: Compare number from previous years to see if retention increases)	Completion numbers have increased.
2	Help advise CCP students better (Assessed by: Comparing numbers to see if retention increases)	CCP students have increased and so has the relationship between instructors and CCP advisors.

Baseline: **19** # (*Average of total completers for the last three years – 2019-20; 2020-21; 2021-22*)
Standard: **20** #
Target: **21** #

Number of Completers (*unduplicated*) – Graduation Year – Summer, Fall, Spring	
Graduation Year	**Total Completers**
2021-2022	14
2022-2023	13
2023-2024	12

All Levels

Completers by Ethnicity, Gender, and Age

Ethnicity & Gender Table

Ethnicity & Gender	2021-2022		2022-2023		2023-2024	
	N	%	N	%	N	%
African American, Female	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, Female	0	0.0%	0	0.0%	0	0.0%
Asian, Female	0	0.0%	0	0.0%	0	0.0%
Caucasian, Female	1	7.1%	2	15.4%	2	16.7%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	1	7.1%	1	7.7%	0	0.0%
Two or More Races, Female	0	0.0%	0	0.0%	0	0.0%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	2	14.3%	3	23.1%	2	16.7%
African American, Male	2	14.3%	1	7.7%	1	8.3%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	0	0.0%
Asian, Male	0	0.0%	1	7.7%	1	8.3%
Caucasian, Male	7	50.0%	5	38.5%	5	41.7%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	3	21.4%	2	15.4%	1	8.3%
Two or More Races, Male	0	0.0%	1	7.7%	2	16.7%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	12	85.7%	10	76.9%	10	83.3%
Total	14	100.0%	13	100.0%	12	100.0%

Ethnicity & Age Range Table

Ethnicity & Age Range Table	2021-2022		2022-2023		2023-2024	
	N	%	N	%	N	%
African American, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Asian, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Caucasian, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Two or More Races, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Unknown, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
Under the age of 18 Total	0	0.0%	0	0.0%	0	0.0%
African American, 18-24	1	7.1%	0	0.0%	1	8.3%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	0	0.0%
Asian, 18-24	0	0.0%	0	0.0%	0	0.0%
Caucasian, 18-24	3	21.4%	3	23.1%	2	16.7%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	3	21.4%	2	15.4%	1	8.3%
Two or More Races, 18-24	0	0.0%	0	0.0%	1	8.3%
Unknown, 18-24	0	0.0%	0	0.0%	0	0.0%
18-24 Total	7	50.0%	5	38.5%	5	41.7%
African American, 25-44	1	7.1%	1	7.7%	0	0.0%
American Indian/Alaskan Native, 25-44	0	0.0%	0	0.0%	0	0.0%
Asian, 25-44	0	0.0%	1	7.7%	0	0.0%
Caucasian, 25-44	5	35.7%	4	30.8%	1	8.3%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	3	25.0%
Hispanic/Latino, 25-44	1	7.1%	1	7.7%	0	0.0%
Two or More Races, 25-44	0	0.0%	1	7.7%	1	8.3%
Unknown, 25-44	0	0.0%	0	0.0%	0	0.0%
25-44 Total	7	50.0%	8	61.5%	5	41.7%
African American, 45-64	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, 45-64	0	0.0%	0	0.0%	0	0.0%
Asian, 45-64	0	0.0%	0	0.0%	0	0.0%
Caucasian, 45-64	0	0.0%	0	0.0%	1	8.3%
Hawaiian/Other Pacific Islander, 45-64	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 45-64	0	0.0%	0	0.0%	0	0.0%
Two or More Races, 45-64	0	0.0%	0	0.0%	0	0.0%
Unknown, 45-64	0	0.0%	0	0.0%	0	0.0%
45-64 Total	0	0.0%	0	0.0%	1	8.3%
African American, 65+	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native, 65+	0	0.0%	0	0.0%	0	0.0%
Asian, 65+	0	0.0%	0	0.0%	0	0.0%
Caucasian, 65+	0	0.0%	0	0.0%	1	8.3%
Hawaiian/Other Pacific Islander, 65+	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 65+	0	0.0%	0	0.0%	0	0.0%
Two or More Races, 65+	0	0.0%	0	0.0%	0	0.0%
Unknown, 65+	0	0.0%	0	0.0%	0	0.0%
65+ Total	0	0.0%	0	0.0%	1	8.3%
Total	14	100.0%	13	100.0%	12	100.0%

Provide narrative for analysis of completers. *(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?)*

Completer numbers have increased from a baseline of 14, three years ago, to a baseline of 19 over the past three years. We, however, still did not meet our target. Updating certificates allowed students to achieve success.

2024-2025 Action Items:

Item	Action Items *(What actions can be taken to increase student completion in your program?)*	Assessment of Action Items *(How will you assess the results of action items?)*
1	Compare outcomes with employer expectations and adjust, as needed.	Students feel they are learning valuable skills by completing all their courses, we should see completion numbers increase.

Approvals

1. Using DocuSign (electronic signature), the Office of Institutional Effectiveness (IE) will review and approve the Program/Service Outcome Assessment when completed by the responsible program/service personnel.
2. Using DocuSign (electronic signature), appropriate Department Chair, Division Dean, Director, and/or AVP is asked to read and approve the Program/Service Outcome Assessment.

IE Acceptance / Date: _____*Dorothy Moore*_____ 11/17/2024

Department Chair, Dean, Director, and/or AVP / Date: _____*Steven Reese*_____ 11/17/2024