Program Outcomes Assessment Follow-Up
2022-2023 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 Program Review:

Item #	Action Items: *(Action item identified in the 2021-22 program review.)*	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 2023-2025 action items table below.)*
1	High School Tours – schedule high school tours to come through shops and classrooms (Assessed by: Enrollment numbers)	Tours have increased immensely from past semesters and our enrollment is up from last year.
2	High school Visits – schedule high school visits to go and speak to specific classes (Assessed by: Enrollment numbers)	Visited multiple high schools to talk with students about the program. Also left flyers and information that will lead to more visits scheduled.

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
2019-2020	26
2020-2021	24
2021-2022	15

All Levels

Enrollment by Ethnicity, Gender, and Age

Ethnicity & Gender	2019-2020		2020-2021		2021-2022	
	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	7.7%	2	8.3%	2	13.3%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	1	3.8%	1	4.2%	1	6.7%
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	11.5%	3	12.5%	3	20.0%
African American, Male	3	11.5%	4	16.7%	2	13.3%
American Indian/Alaskan Native, Male	0	0.0%	1	4.2%	0	0.0%
Asian, Male	0	0.0%	0	0.0%	0	0.0%
Caucasian, Male	15	57.7%	11	45.8%	6	40.0%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	5	19.2%	5	20.8%	4	26.7%
Two or More Races, Male	0	0.0%	0	0.0%	0	0.0%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	23	88.5%	21	87.5%	12	80.0%
Total	26	100.0%	24	100.0%	15	100.0%

Ethnicity & Age Range	2019-2020		2020-2021		2021-2022	
	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	1	3.8%	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	3.8%	1	4.2%	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	2	7.7%	1	4.2%	0	0.0%
African American, 18-24	2	7.7%	2	8.3%	1	6.7%
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	30.8%	8	33.3%	2	13.3%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	1	3.8%	4	16.7%	4	26.7%
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	11	42.3%	14	58.3%	7	46.7%
African American, 25-44	1	3.8%	2	8.3%	1	6.7%
American Indian/Alaskan Native, 25-44	0	0.0%	1	4.2%	0	0.0%
Asian, 25-44	0	0.0%	0	0.0%	0	0.0%
Caucasian, 25-44	6	23.1%	4	16.7%	6	40.0%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	4	15.4%	1	4.2%	1	6.7%
Two or More Races, 25-44	0	0.0%	0	0.0%	0	0.0%
Unknown, 25-44	0	0.0%	0	0.0%	0	0.0%
25-44 Total	11	42.3%	8	33.3%	8	53.3%
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	2	7.7%	1	4.2%	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	2	7.7%	1	4.2%	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	26	100.0%	24	100.0%	15	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.)*

Based on the above data, enrollment decreased. Factors leading to this may have been economic changes and Covid-19 changes. Having tours, visiting high schools, and continuing to have a presence on social media is important. So potential students can see what WCC has to offer.

2023-2025 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	Schedule high school tours to come through shops and classrooms.	Continue to compare numbers from previous years to see if enrollment is up.
2	Having more of a Social Media presence	To show the community what WCC Machining program has to offer.

Outcome #2: Retention

Action Items from Program Review:

Item #	Action Items: *(Action item identified in the 2021-22 program review.)*	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 2023-2025 action items table below.)*
1	Engage with students in classroom activities (Assessed by: Increased retention)	Having more engaging "real world" projects in class makes the students want to participate.

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 2019 to Fall 2020	78.3%
Fall 2020 to Fall 2021	69.6%
Fall 2021 to Fall 2022	67.0%

All Levels

Retention by Ethnicity, Gender, and Age

Ethnicity & Gender	Fall 2019 to Fall 2020		Fall 2020 to Fall 2021		Fall 2021 to Fall 2022	
	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	11.1%	1	6.3%	2	25.0%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	0	0.0%	1	6.3%	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	11.1%	2	12.5%	2	25.0%
African American, Male	1	5.6%	3	18.8%	1	12.5%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	0	0.0%
Asian, Male	0	0.0%	0	0.0%	0	0.0%
Caucasian, Male	12	66.7%	6	37.5%	2	25.0%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	3	16.7%	5	31.3%	3	37.5%
Two or More Races, Male	0	0.0%	0	0.0%	0	0.0%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	16	88.9%	14	87.5%	6	75.0%
Total	18	100.0%	16	100.0%	8	100.0%

Ethnicity & Age Range	Fall 2019 to Fall 2020		Fall 2020 to Fall 2021		Fall 2021 to Fall 2022	
	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	5.6%	1	6.3%	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	5.6%	1	6.3%	0	0.0%
African American, 18-24	1	5.6%	1	6.3%	1	12.5%
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	44.4%	4	25.0%	0	0.0%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	0	0.0%	4	25.0%	3	37.5%
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	50.0%	9	56.3%	4	50.0%
African American, 25-44	0	0.0%	2	12.5%	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%	0	0.0%
Caucasian, 25-44	4	22.2%	3	18.8%	4	50.0%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	2	11.1%	1	6.3%	0	0.0%
Two or More Races, 25-44	0	0.0%	0	0.0%	0	0.0%
Unknown, 25-44	0	0.0%	0	0.0%	0	0.0%
25-44 Total	6	33.3%	6	37.5%	4	50.0%
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	2	11.1%	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	2	11.1%	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	18	100.0%	16	100.0%	8	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.)*

Based on the data above, the Machining programs retention rates need to do some increasing. We will continue to be engaging and help our students succeed in their courses so they can accomplish their goals.

2023-2025 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	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.	Follow up with students, make sure their needs are met to raise our completion rate.

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

Action Items from Program Review:

Item #	Action Items: *(Action item identified in the 2021-22 program review.)*	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 2023-2025 action items table below.)*
1	Create engaging projects (Assessed by: Completion numbers)	Followed up with students to see their thoughts about the engaging projects chosen.

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**
2020-2021	20
2021-2022	14
2022-2023	13

All Levels

Completers by Ethnicity, Gender, and Age

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	0	0.0%	1	7.1%	2	15.4%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	1	5.0%	1	7.1%	1	7.7%
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	1	5.0%	2	14.3%	3	23.1%
African American, Male	3	15.0%	2	14.3%	1	7.7%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	0	0.0%
Asian, Male	0	0.0%	0	0.0%	1	7.7%
Caucasian, Male	10	50.0%	7	50.0%	5	38.5%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	6	30.0%	3	21.4%	2	15.4%
Two or More Races, Male	0	0.0%	0	0.0%	1	7.7%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	19	95.0%	12	85.7%	10	76.9%
Total	20	100.0%	14	100.0%	13	100.0%

Ethnicity & Age Range Table	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	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	2	10.0%	1	7.1%	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	6	30.0%	3	21.4%	3	23.1%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	4	20.0%	3	21.4%	2	15.4%
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	12	60.0%	7	50.0%	5	38.5%
African American, 25-44	1	5.0%	1	7.1%	1	7.7%
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	7.7%
Caucasian, 25-44	3	15.0%	5	35.7%	4	30.8%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	3	15.0%	1	7.1%	1	7.7%
Two or More Races, 25-44	0	0.0%	0	0.0%	1	7.7%
Unknown, 25-44	0	0.0%	0	0.0%	0	0.0%
25-44 Total	7	35.0%	7	50.0%	8	61.5%
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	5.0%	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	1	5.0%	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	20	100.0%	14	100.0%	13	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?)*

Based on the data above, we will continue to get student feedback to make the program more interesting and engaging. The number of completers declined from the previous years but have received feedback from employers and students on some new possible engaging "real world" projects.

2023-2025 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	Communicate with students the importance of completing the Associates Machining Degree	Compare number from previous years to see if retention increases
2	Help advise CCP students better (Assessed by: Comparing numbers from previous years)	Compare numbers from previous years to see if retention increases

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*_____ 11/20/2023

Department Chair, Dean, Director, and/or AVP / Date: _____*Steven Reese*_____ 11/20/2023