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: Mechanical Engineering Technology

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	Work with Office of Communications to advertise using social media for recruiting (Assessed by: Enrollment numbers)	Worked with Ken Jones to create new informal flyers and social media post for recruiting purposes.
2	Visit High Schools to Recruit (Assessed by: Enrollment numbers)	Completed several high school visits for recruiting. (Wayne Prep, WSE, WCD)

Baseline: 46 # (*Average of total enrollment for the last three years – 2018-19; 2019-20; 2020-21*)
Standard: 48 #
Target: 50 #

Program Enrollment

Program Enrollment (unduplicated)	
Academic Year (Fall, Spring, Summer)	Enrollment
2019-2020	50
2020-2021	35
2021-2022	34

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%	1	2.9%	1	2.9%
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	3	6.0%	3	8.6%	3	8.8%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	3	6.0%	2	5.7%	1	2.9%
Two or More Races, Female	2	4.0%	1	2.9%	0	0.0%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	8	16.0%	7	20.0%	5	14.7%
African American, Male	5	10.0%	4	11.4%	7	20.6%
American Indian/Alaskan Native, Male	0	0.0%	1	2.9%	0	0.0%
Asian, Male	0	0.0%	0	0.0%	0	0.0%
Caucasian, Male	25	50.0%	16	45.7%	14	41.2%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	1	2.9%
Hispanic/Latino, Male	10	20.0%	6	17.1%	7	20.6%
Two or More Races, Male	0	0.0%	1	2.9%	0	0.0%
Unknown, Male	2	4.0%	0	0.0%	0	0.0%
Male Total	42	84.0%	28	80.0%	29	85.3%
Total	50	100.0%	35	100.0%	34	100.0%

Ethnicity & Age Range	2019-2020		2020-2021		2021-2022	
	N	%	N	%	N	%
African American, Under the age of 18	2	4.0%	1	2.9%	1	2.9%
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	7	14.0%	5	14.3%	4	11.8%
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	9	18.0%	6	17.1%	5	14.7%
African American, 18-24	2	4.0%	2	5.7%	5	14.7%
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	14	28.0%	9	25.7%	8	23.5%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	1	2.9%
Hispanic/Latino, 18-24	13	26.0%	8	22.9%	8	23.5%
Two or More Races, 18-24	2	4.0%	2	5.7%	0	0.0%
Unknown, 18-24	1	2.0%	0	0.0%	0	0.0%
18-24 Total	32	64.0%	21	60.0%	22	64.7%
African American, 25-44	1	2.0%	1	2.9%	2	5.9%
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	5	10.0%	5	14.3%	3	8.8%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	0	0.0%	0	0.0%	0	0.0%
Two or More Races, 25-44	0	0.0%	0	0.0%	0	0.0%
Unknown, 25-44	1	2.0%	0	0.0%	0	0.0%
25-44 Total	7	14.0%	6	17.1%	5	14.7%
African American, 45-64	0	0.0%	1	2.9%	0	0.0%
American Indian/Alaskan Native, 45-64	0	0.0%	1	2.9%	0	0.0%
Asian, 45-64	0	0.0%	0	0.0%	0	0.0%
Caucasian, 45-64	2	4.0%	0	0.0%	2	5.9%
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	4.0%	2	5.7%	2	5.9%
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	50	100.0%	35	100.0%	34	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.)*

Enrollment has increased for fall 2023. We contribute this due to increased recruitment procedures in social media, flyers, and visits.

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	Continue Recruiting through high school visits.	Track the enrollment numbers and measure whether these were a result of the high school visits.
2	Work with WCC Recruiting events	Track the number and types of recruiting activities participated.

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	Communicate more often and get more specific about subject matters (Assessed by: Retention data)	Increased use of creative project base learning. Retention rate was above target.

Baseline: 59.2 % (*Average of last three years – 2018-19; 2019-20; 2020-21; program retention*)
Standard: 61 %
Target: 62 %

Fall to Fall	Retention Rate
Fall 2019 to Fall 2020	52.6%
Fall 2020 to Fall 2021	60.7%
Fall 2021 to Fall 2022	63.0%

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%	1	5.9%	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%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	2	10.0%	1	5.9%	1	8.3%
Two or More Races, Female	1	5.0%	1	5.9%	0	0.0%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	3	15.0%	3	17.6%	1	8.3%
African American, Male	3	15.0%	2	11.8%	2	16.7%
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	7	35.0%	9	52.9%	7	58.3%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	6	30.0%	3	17.6%	2	16.7%
Two or More Races, Male	0	0.0%	0	0.0%	0	0.0%
Unknown, Male	1	5.0%	0	0.0%	0	0.0%
Male Total	17	85.0%	14	82.4%	11	91.7%
Total	20	100.0%	17	100.0%	12	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%	2	11.8%	1	8.3%
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%	2	11.8%	1	8.3%
African American, 18-24	2	10.0%	1	5.9%	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	6	30.0%	5	29.4%	4	33.3%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	8	40.0%	4	23.5%	3	25.0%
Two or More Races, 18-24	1	5.0%	1	5.9%	0	0.0%
Unknown, 18-24	0	0.0%	0	0.0%	0	0.0%
18-24 Total	17	85.0%	11	64.7%	8	66.7%
African American, 25-44	1	5.0%	1	5.9%	1	8.3%
American Indian/Alaskan Native, 25-44	0	0.0%	0	0.0%	0	0.0%
Asian, 25-44	1	5.0%	0	0.0%	0	0.0%
Caucasian, 25-44	1	5.0%	2	11.8%	1	8.3%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	0	0.0%	0	0.0%	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	3	15.0%	3	17.6%	2	16.7%
African American, 45-64	0	0.0%	1	5.9%	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%	1	5.9%	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%	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%	17	100.0%	12	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.)*

Increased is due to more use of creative project base learning. This increase is due to students being aware of future job opportunities with the completion of the degree program.

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	Continue to implement PBL	Implementation of the project based learning assignment will be assessed and reported in the Program Learning Outcome report.
2	Increase exposure to possible job opportunities.	Meet with employers and place (track) student graduates with employers.

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	Plan Field Trips (Assessed by: Completion data)	100% Job placement before graduation.
2	Communicate with students more regularly and through more means of communication (emails, text, in-person) (Assessed by: Completion data)	Continued use of email and texting communications

Baseline: **21** # (*Average of total completers for the last three years – 2019-20; 2020-21; 2021-22*)
Standard: **23** #
Target: **24** #

Number of Completers (*unduplicated*) – Graduation Year – Summer, Fall, Spring	
Graduation Year	**Total Completers**
2020-2021	18
2021-2022	20
2022-2023	20

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%	1	5.0%	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	5.6%	2	10.0%	5	25.0%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	1	5.6%	1	5.0%	0	0.0%
Two or More Races, Female	1	5.6%	0	0.0%	0	0.0%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	3	16.7%	4	20.0%	5	25.0%
African American, Male	3	16.7%	1	5.0%	3	15.0%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	1	5.0%
Asian, Male	0	0.0%	0	0.0%	0	0.0%
Caucasian, Male	9	50.0%	12	60.0%	5	25.0%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	3	16.7%	3	15.0%	6	30.0%
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	15	83.3%	16	80.0%	15	75.0%
Total	18	100.0%	20	100.0%	20	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	1	5.6%	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	1	5.6%	0	0.0%	0	0.0%
African American, 18-24	1	5.6%	2	10.0%	2	10.0%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	1	5.0%
Asian, 18-24	0	0.0%	0	0.0%	0	0.0%
Caucasian, 18-24	8	44.4%	9	45.0%	6	30.0%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	4	22.2%	4	20.0%	6	30.0%
Two or More Races, 18-24	1	5.6%	0	0.0%	0	0.0%
Unknown, 18-24	0	0.0%	0	0.0%	0	0.0%
18-24 Total	14	77.8%	15	75.0%	15	75.0%
African American, 25-44	1	5.6%	0	0.0%	1	5.0%
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	1	5.6%	5	25.0%	3	15.0%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	0	0.0%	0	0.0%	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	2	11.1%	5	25.0%	4	20.0%
African American, 45-64	1	5.6%	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	1	5.6%	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%	1	5.0%
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%	1	5.0%
Total	18	100.0%	20	100.0%	20	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?)*

Working with our advisory board members and local business to provide opportunities for our students to receive a job before or after graduation.

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	Continue working with advisory board and businesses	Work with Advisory Board employers with job opportunities for student graduates.
2	Work with new apprenticeship opportunities.	Work with employers to create apprenticeship opportunities. Track the number of students placed in apprenticeships.

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