

**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: Mechanical Engineering Technology

Outcome #1: Enrollment (unduplicated)

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

Item #	Action Items: <i>(Action item identified in the 2022-23 program outcome year-end report.)</i>	Results / Use of Results: <i>(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.)</i>
1	Continue Recruiting through high school visits. (Assessed by: Track the enrollment numbers and measure whether these were a result of the high school visits.)	3 students were a direct result of high school visits or school visits with the Recruiter on WCC campus.
2	Work with WCC Recruiting events (Assessed by: Track the number and types of recruiting activities participated.)	Senior Night, ECU Lets Connect, Middle School Night, Wayne Prep Tour, North Duplin EVENT, STEAM FAIR, CBA Tour, Greene County Tour, WSTA Tour, JR Leadership Tour, JCI Tour, Spring Creek Tour, CCP Showcase, RIME EVENT, Faith Tour,

Baseline: 34 # *(Average of total enrollment for the last three years – 2018-19; 2019-20; 2020-21)*
Standard: 30#
Target: 40 #

Program Enrollment

Program Enrollment (unduplicated)	
Academic Year (Fall, Spring, Summer)	Enrollment
2020-2021	35
2021-2022	34
2022-2023	34

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	1	2.9%	1	2.9%	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	3	8.6%	3	8.8%	2	5.9%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	2	5.7%	1	2.9%	0	0.0%
Two or More Races, Female	1	2.9%	0	0.0%	0	0.0%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	7	20.0%	5	14.7%	2	5.9%
African American, Male	4	11.4%	7	20.6%	9	26.5%
American Indian/Alaskan Native, Male	1	2.9%	0	0.0%	1	2.9%
Asian, Male	0	0.0%	0	0.0%	0	0.0%
Caucasian, Male	16	45.7%	14	41.2%	12	35.3%
Hawaiian/Other Pacific Islander, Male	0	0.0%	1	2.9%	1	2.9%
Hispanic/Latino, Male	6	17.1%	7	20.6%	9	26.5%
Two or More Races, Male	1	2.9%	0	0.0%	0	0.0%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	28	80.0%	29	85.3%	32	94.1%
Total	35	100.0%	34	100.0%	34	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	1	2.9%	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	5	14.3%	4	11.8%	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	6	17.1%	5	14.7%	1	2.9%
African American, 18-24	2	5.7%	5	14.7%	4	11.8%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	1	2.9%
Asian, 18-24	0	0.0%	0	0.0%	0	0.0%
Caucasian, 18-24	9	25.7%	8	23.5%	11	32.4%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	1	2.9%	1	2.9%
Hispanic/Latino, 18-24	8	22.9%	8	23.5%	9	26.5%
Two or More Races, 18-24	2	5.7%	0	0.0%	0	0.0%
Unknown, 18-24	0	0.0%	0	0.0%	0	0.0%
18-24 Total	21	60.0%	22	64.7%	26	76.5%
African American, 25-44	1	2.9%	2	5.9%	3	8.8%
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	14.3%	3	8.8%	2	5.9%
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	6	17.1%	5	14.7%	5	14.7%
African American, 45-64	1	2.9%	0	0.0%	1	2.9%
American Indian/Alaskan Native, 45-64	1	2.9%	0	0.0%	0	0.0%
Asian, 45-64	0	0.0%	0	0.0%	0	0.0%
Caucasian, 45-64	0	0.0%	2	5.9%	1	2.9%
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	5.7%	2	5.9%	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	35	100.0%	34	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 is staying steady for Mechanical Engineering Technology. We increased in some areas and lost in others due to lack of recruitment help. We are getting some participation from some schools that we have reached out to that have not participated in the past. We are hoping to expand on this new school and increase enrollment.

2024-2025 Action Items:

Item	Action Items <i>(What actions can be taken to increase enrollment in your program?)</i>	Assessment of Action Items <i>(How will you assess the results of action items?)</i>
1	Host Summer Camps for Wayne Prep Students and donate supplies to them to use during their school year.	How many students enrolled in camps and how many move to Curriculum courses.
2	Visit with Wayne Prep and other schools to try and build partnerships with camps and current classes.	Identify what programs/partnerships have been built?

Outcome #2: Retention

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

Item #	Action Items: <i>(Action item identified in the 2022-23 program outcome year-end report.)</i>	Results / Use of Results: <i>(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.)</i>
1	Continue to implement PBL (Assessed by: Implementation of the project based learning assignment will be assessed and reported in the Program Learning Outcome report.)	Student engagement has increased with including more PBL in our courses. They are showing more engagement and become more active in communicating with their classmates.
2	Increase exposure to possible job opportunities. (Assessed by: Meet with employers and place (track) student graduates with employers.)	Students are getting jobs, unfortunately some have quit school or show less interest in attending classes. 6 part time jobs 1 full time job – 1 quit school

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 2020 to Fall 2021	60.7%
Fall 2021 to Fall 2022	63.0%
Fall 2022 to Fall 2023	75.9%

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	1	5.9%	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%	0	0.0%	2	9.1%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	1	5.9%	1	8.3%	0	0.0%
Two or More Races, Female	1	5.9%	0	0.0%	0	0.0%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	3	17.6%	1	8.3%	2	9.1%
African American, Male	2	11.8%	2	16.7%	4	18.2%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	1	4.5%
Asian, Male	0	0.0%	0	0.0%	0	0.0%
Caucasian, Male	9	52.9%	7	58.3%	10	45.5%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	3	17.6%	2	16.7%	5	22.7%
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	14	82.4%	11	91.7%	20	90.9%
Total	17	100.0%	12	100.0%	22	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%	1	4.5%
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	2	11.8%	1	8.3%	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	2	11.8%	1	8.3%	1	4.5%
African American, 18-24	1	5.9%	1	8.3%	2	9.1%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	1	4.5%
Asian, 18-24	0	0.0%	0	0.0%	0	0.0%
Caucasian, 18-24	5	29.4%	4	33.3%	9	40.9%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	4	23.5%	3	25.0%	5	22.7%
Two or More Races, 18-24	1	5.9%	0	0.0%	0	0.0%
Unknown, 18-24	0	0.0%	0	0.0%	0	0.0%
18-24 Total	11	64.7%	8	66.7%	17	77.3%
African American, 25-44	1	5.9%	1	8.3%	1	4.5%
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	2	11.8%	1	8.3%	2	9.1%
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	17.6%	2	16.7%	3	13.6%
African American, 45-64	1	5.9%	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%	1	8.3%	1	4.5%
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	5.9%	1	8.3%	1	4.5%
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	17	100.0%	12	100.0%	22	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.)*

3 Students failed classes due to low grades and low homework/class participation. These 3 students did not re-enroll.

Students struggle at putting in the work required to be successful in their program courses and their general education courses. We hope to create opportunities where they can work in lab environments to put more work into their homework.

2024-2025 Action Items:

Item	Action Items <i>(What actions can be taken to increase program retention?)</i>	Assessment of Action Items <i>(How will you assess the results of action items?)</i>
1	Homework Time slots in labs	Create opportunities, advertise and check attendance
2	Homework Checks built into the Classroom	Take a grade on the Homework checks/quiz and hold students more accountable with consistent documentation.

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	Continue working with advisory board and businesses (Assessed by: Work with Advisory Board employers with job opportunities for student graduates.)	This is working great and we have been in touch with our advisory board members through the past two semesters and we are having conversations with our students about their expectations for the students.
2	Work with new apprenticeship opportunities. (Assessed by: Work with employers to create apprenticeship opportunities. Track the number of students placed in apprenticeships.)	Apprenticeships are doing great and we have picked up 5-6 new students due to the SEED jr apprenticeship.

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
2021-2022	20
2022-2023	20
2023-2024	22

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	1	5.0%	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	10.0%	5	25.0%	1	4.5%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	1	5.0%	0	0.0%	1	4.5%
Two or More Races, Female	0	0.0%	0	0.0%	1	4.5%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	4	20.0%	5	25.0%	3	13.6%
African American, Male	1	5.0%	3	15.0%	1	4.5%
American Indian/Alaskan Native, Male	0	0.0%	1	5.0%	2	9.1%
Asian, Male	0	0.0%	0	0.0%	0	0.0%
Caucasian, Male	12	60.0%	5	25.0%	10	45.5%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	3	15.0%	6	30.0%	6	27.3%
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	80.0%	15	75.0%	19	86.4%
Total	20	100.0%	20	100.0%	22	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%	1	4.5%
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%	1	4.5%
African American, 18-24	2	10.0%	2	10.0%	0	0.0%
American Indian/Alaskan Native, 18-24	0	0.0%	1	5.0%	2	9.1%
Asian, 18-24	0	0.0%	0	0.0%	0	0.0%
Caucasian, 18-24	9	45.0%	6	30.0%	5	22.7%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	4	20.0%	6	30.0%	6	27.3%
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	15	75.0%	15	75.0%	13	59.1%
African American, 25-44	0	0.0%	1	5.0%	1	4.5%
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	25.0%	3	15.0%	5	22.7%
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%	1	4.5%
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	5	25.0%	4	20.0%	7	31.8%
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	4.5%
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	4.5%
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%	1	5.0%	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%	1	5.0%	0	0.0%
Total	20	100.0%	20	100.0%	22	100.0%

