# 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: Mechatronics Engineering Technology

Outcome #1: Enrollment (unduplicated)

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

Item #	Action Items: (Action item identified in the	<b>Results / Use of Results:</b> (Provide results of the action
	2022-23 program outcome year-end	item identified. Was the action item successful? If not,
	report.)	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	Work with Executive Director of	A Mechatronics Apprenticeship has been created, and
	Apprenticeships and Career Development,	we have 3 students now enrolled.
	to create an Apprenticeship for	
	Mechatronics. (Assessed by: Track	
	enrollment.)	

**Baseline:** 25 # (Average of total enrollment for the last three years – 2018-19; 2019-20; 2020-21)

 Standard:
 27 #

 Target:
 28 #

#### **Program Enrollment**

Program Enrollment (unduplicated)				
Academic Year (Fall, Spring, Summer)	Enrollment			
2020-2021	22			
2021-2022	25			
2022-2023	21			

All Levels

# **Enrollment by Ethnicity, Gender, and Age**

Ethnicity & Gender Table

	2020-2021		2021-2022		2022-2023	
Ethnicity & Gender	N	%	N	%	N	%
African American, Female	0	0.0%	2	8.0%	1	4.8%
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	0	0.0%	0	0.0%	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	0	0.0%	2	8.0%	1	4.8%
African American, Male	3	13.6%	3	12.0%	6	28.6%
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	10	45.5%	13	52.0%	10	47.6%
Hawaiian/Other Pacific Islander,						
Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	7	31.8%	6	24.0%	4	19.0%
Two or More Races, Male	0	0.0%	0	0.0%	0	0.0%
Unknown, Male	2	9.1%	1	4.0%	0	0.0%
Male Total	22	100.0%	23	92.0%	20	95.2%
Total	22	100.0%	25	100.0%	21	100.0%

Ethnicity & Age Range Table

	2020-20			-2022		-2023
Ethnicity & Age Range	N	%	N	%	N	%
African American, Under the age of 18	0	0.0%	0	0.0%	0	0.0%
American Indian/Alaskan Native,	0	0.00/		0.00/		0.00/
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 Hawaiian/Other Pacific Islander,	0	0.0%	0	0.0%	0	0.0%
Under the age of 18 Hispanic/Latino, Under the age of	0	0.0%	0	0.0%	0	0.0%
Two or More Races, Under the age	0	0.0%	0	0.0%	0	0.0%
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 American Indian/Alaskan Native,	0	0.0%	2	8.0%	3	14.3%
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	27.3%	9	36.0%	9	42.9%
Hawaiian/Other Pacific Islander, 18- 24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	2	9.1%	4	16.0%	3	14.3%
Two or More Races, 18-24	0	0.0%	0	0.0%	0	0.0%
Unknown, 18-24	1	4.5%	1	4.0%	0	0.0%
18-24 Total	9	40.9%	16	64.0%	15	71.4%
African American, 25-44 American Indian/Alaskan Native,	2	9.1%	3	12.0%	3	14.3%
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 Hawaiian/Other Pacific Islander, 25-	3	13.6%	3	12.0%	1	4.8%
44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	5	22.7%	0	0.0%	1	4.8%
Two or More Races, 25-44	0	0.0%	2	8.0%	0	0.0%
Unknown, 25-44	1	4.5%	0	0.0%	0	0.0%
25-44 Total	11	50.0%	8	32.0%	5	23.8%
African American, 45-64 American Indian/Alaskan Native,	1	4.5%	0	0.0%	1	4.8%
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 Hawaiian/Other Pacific Islander, 45-	0	0.0%	1	4.0%	0	0.0%
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	4.5%	1	4.0%	1	4.8%
African American, 65+ American Indian/Alaskan Native,	0	0.0%	0	0.0%	0	0.0%
65+	0	0.0%	0	0.0%	0	0.0%
Asian, 65+	0	0.0%	0	0.0%	0	0.0%
Caucasian, 65+	1	4.5%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander, 65+	0	0.0%		0.0%	0	0.00/
	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 65+ Two or More Races, 65+	0 0	0.0%	0	0.0%	0	0.0%
Unknown, 65+	0	0.0% 0.0%	0	0.0% 0.0%	0	0.0% 0.0%
65+ Total	1	4.5%	0	0.0%	0	0.0%
Total	22	100.0%	25	100.0%	21	
iotai	22	100.070	20	100.0%	21	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.)

The addition of the Mechatronics apprenticeship has helped with an increase in enrollment. With Paul Casey added into the team, he has in roads from working in County Public schools. His knowledge has helped us reach more recruiting goals.

## 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	Move to New CITE Building.	Enrollment Data and engagement with all programs in E&M at CITE building

#### Outcome #2: Retention

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

	<u> </u>	
Item #	Action Items: (Action item identified in the	<b>Results / Use of Results:</b> (Provide results of the action
	2022-23 program outcome year-end	item identified. Was the action item successful? If not,
	report.)	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	Involve the Academic Skills Center to aid	Letting the students know that they have assess to
	students. (Assessed by: Track number of	extra help has prompted several students make it
	student going to Academic Skills Center.)	through their classes.

**Baseline:** 65.9 % (Average of last three years – 2018-19; 2019-20; 2020-21; program retention)

 Standard:
 67 %

 Target:
 69 %

Fall to Fall	Retention Rate
Fall 2020 to Fall 2021	81.8%
Fall 2021 to Fall 2022	78.0%
Fall 2022 to Fall 2023	50.0%

All Levels

# Retention by Ethnicity, Gender, and Age

Ethnicity & Gender Table

			Fall 202	1 to Fall	Fall 202	2 to Fall
	Fall 2020 to F	all 2021	20	22	20	23
Ethnicity & Gender	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%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander,						
Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	0	0.0%	0	0.0%	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	0	0.0%	0	0.0%	0	0.0%
African American, Male	1	11.1%	3	21.4%	1	10.0%
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	5	55.6%	9	64.3%	5	50.0%
Hawaiian/Other Pacific Islander,						
Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	3	33.3%	2	14.3%	4	40.0%
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	9	100.0%	14	100.0%	10	100.0%
Total	9	100.0%	14	100.0%	10	100.0%

Ethnicity & Age Range Table

			Fall 202	1 to Fall	Fall 202	2 to Fall
	Fall 2020 to	Fall 2021	_	)22		123
Ethnicity & Age Range	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	0	0.076	U	0.076	0	0.076
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 American Indian/Alaskan Native,	0	0.0%	2	14.3%	1	10.0%
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	33.3%	6	42.9%	5	50.0%
Hawaiian/Other Pacific Islander, 18-24	_	0.00/	0	0.00/	_	0.00/
Hispanic/Latino, 18-24	0	0.0%	0 1	0.0% 7.1%	0 3	0.0% 30.0%
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	4	44.4%	9	64.3%	9	90.0%
African American, 25-44	1	11.1%	1	7.1%	0	0.0%
American Indian/Alaskan Native,						
25-44	0	0.0%	0	0.0%	0	0.0%
Asian, 25-44 Caucasian, 25-44	0	0.0%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander,	0	0.0%	2	14.3%	0	0.0%
25-44	2	22.2%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	0	0.0%	1	7.1%	1	10.0%
Two or More Races, 25-44	2	22.2%	0	0.0%	0	0.0%
Unknown, 25-44	0	0.0%	0	0.0%	0	0.0%
25-44 Total	5	55.6%	4	28.6%	1	10.0%
African American, 45-64 American Indian/Alaskan Native,	0	0.0%	0	0.0%	0	0.0%
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 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%	0	0.0% 0.0%
45-64 Total		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+ Hawaiian/Other Pacific Islander,	0	0.0%	1	7.1%	0	0.0%
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	7.1%	0	0.0%
Total	9	100.0%	14	100.0%	10	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.)

The program is now starting to notice new students due to additional Apprenticeship Program. We picked up more students doing the SEED program in the Summer of 2023. SEED program will be repeated in Summer of 2024.

## 2024-2025 Action Items:

2024 2023	EUZ-F ZUZ-J ACTION ICCINIS.				
Item	Action Items (What actions can be taken	Assessment of Action Items (How will you assess the			
	to increase program retention?)	results of action items?)			
1	Students with Jobs and family, the	Enrollment Data			
	program needs to work on flexibility.				

## 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	<b>Results / Use of Results:</b> (Provide results of the action
	2022-23 program outcome year-end	item identified. Was the action item successful? If not,
	report.)	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	Reach out to academic services for	Letting students know about the Academic Services, so
	additional help. (Assessed by: Track	they can help with their classes. I had 4 students use
	student number going to Academic Skill	them for Math and English help.
	Center.)	

**Baseline: 7** # (Average of total completers for the last three years – 2019-20; 2020-21; 2021-22)

Standard: 8 # Target: 9 #

Number of Completers (unduplicated) – Graduation Year – Summer, Fall, Spring					
<b>Graduation Year</b>	Total Completers				
2021-2022	7				
2022-2023	9				
2023-2024	4				

All Levels

# Completers by Ethnicity, Gender, and Age

Ethnicity & Gender Table

	2021-2022		2022-2023		2023-2024	
Ethnicity & Gender	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%	0	0.0%	0	0.0%
Hawaiian/Other Pacific Islander,						
Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	0	0.0%	0	0.0%	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	0	0.0%	0	0.0%	0	0.0%
African American, Male	1	14.3%	2	22.2%	1	25.0%
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%
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Caucasian, Male	3	42.9%	5	55.6%	1	25.0%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	2	28.6%	2	22.2%	2	50.0%
Two or More Races, Male	0	0.0%	0	0.0%	0	0.0%
Unknown, Male	1	14.3%	0	0.0%	0	0.0%
Male Total	7	100.0%	9	100.0%	4	100.0%
Total	7	100.0%	9	100.0%	4	100.0%

Ethnicity & Age Range Table

	2021	-2022	2022	-2023	2023	-2024
Ethnicity & Age Range Table	N	%	N	%	N	%
African American, Under the age of				/		
18 American Indian/Alaskan Native,	0	0.0%	0	0.0%	0	0.0%
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	U	0.0%	0	0.0%	U	0.0%
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	0	0.0%	1	11.1%	1	25.0%
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 Hawaiian/Other Pacific Islander, 18-	1	14.3%	2	22.2%	0	0.0%
24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	2	28.6%	1	11.1%	2	50.0%
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	3	42.9%	4	44.4%	3	75.0%
African American, 25-44	1	14.3%	1	11.1%	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	2	28.6%	2	22.2%	1	25.0%
Hawaiian/Other Pacific Islander, 25- 44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	0	0.0%	1	11.1%	0	0.0%
Two or More Races, 25-44	0	0.0%	0	0.0%	0	0.0%
Unknown, 25-44	1	14.3%	0	0.0%	0	0.0%
25-44 Total	4	57.1%	4	44.4%	1	25.0%
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	0	0.0%	1	11.1%	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%	1	11.1%	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	7	100.0%	9	100.0%	4	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 completion. How might you increase the number of completers in your program?)

Some students could not make it through the program due to physic class. In 2024-25 the Math and Physics programs is working on Hybrid courses instead of Online Only that they had prior.

#### 2024-2025 Action Items:

Item	Action Items (What actions can be taken to increase student completion in your program?)	<b>Assessment of Action Items</b> (How will you assess the results of action items?)
1	Work with Math and Physics to provide block style labs. Credit Hours all done on 1 day.	Creation of Math and Physics Hybrid classes
2	Move into CITE Building	Teaching all classes in new location

#### <u>Approvals</u>

- 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	11/19/2024	
Department Chair, Dear	n, Director, and/or AVP / Date:	Steven Reese	11/19/2024