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: Associate in Engineering

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	Advise current AE students on the AS degree with selected elective offerings: MAT 271, MAT 272, MAT 273, CHM 151, PHY 251, PHY 252, ECO 251, EGR 150 and DFT 170. (Assessed by: College Transfer Advising Center (CTAC) and other data compiled)	This action item was successful. As per the College Transfer Advising Center (CTAC), all current AE students have either graduated, or changed their major to AS (or other area on campus). As of Fall 2023, we have zero students in the AE program.
2	Offer AE students a new pathway to engineering under the AS degree. (Assessed by: Enrollment in upper level PHY and MAT classes)	This action item was successful. As per the CTAC, all new students or students who have stopped out for a semester and are returning are being offered the pathway to engineering under the AS degree.

Baseline: **49** # (*Average of total enrollment for the last three years – 2018-19; 2019-20; 2020-21*)
Standard: **NA #**
Target: **NA #**

We received approval on September 1, 2023, from SACS-COC of our substantive change to close the Associate in Engineering (AE) degree effective Fall 2023.

Program Enrollment

Program Enrollment (unduplicated)	
Academic Year (Fall, Spring, Summer)	Enrollment
2019-2020	52
2020-2021	47
2021-2022	45

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%	1	2.2%
American Indian/Alaskan Native, Female	0	0.0%	0	0.0%	0	0.0%
Asian, Female	1	1.9%	2	4.3%	2	4.4%
Caucasian, Female	6	11.5%	2	4.3%	1	2.2%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	3	5.8%	2	4.3%	2	4.4%
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	10	19.2%	6	12.8%	6	13.3%
African American, Male	9	17.3%	7	14.9%	9	20.0%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	0	0.0%
Asian, Male	1	1.9%	3	6.4%	1	2.2%
Caucasian, Male	20	38.5%	20	42.6%	16	35.6%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	7	13.5%	9	19.1%	10	22.2%
Two or More Races, Male	2	3.8%	1	2.1%	2	4.4%
Unknown, Male	3	5.8%	1	2.1%	1	2.2%
Male Total	42	80.8%	41	87.2%	39	86.7%
Total	52	100.0%	47	100.0%	45	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	3	5.8%	1	2.1%	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	1.9%	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	4	7.7%	1	2.1%	0	0.0%
African American, 18-24	6	11.5%	4	8.5%	6	13.3%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	0	0.0%
Asian, 18-24	2	3.8%	4	8.5%	3	6.7%
Caucasian, 18-24	15	28.8%	15	31.9%	14	31.1%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	8	15.4%	10	21.3%	10	22.2%
Two or More Races, 18-24	2	3.8%	1	2.1%	1	2.2%
Unknown, 18-24	0	0.0%	1	2.1%	1	2.2%
18-24 Total	33	63.5%	35	74.5%	35	77.8%
African American, 25-44	3	5.8%	3	6.4%	3	6.7%
American Indian/Alaskan Native, 25-44	0	0.0%	0	0.0%	0	0.0%
Asian, 25-44	0	0.0%	1	2.1%	0	0.0%
Caucasian, 25-44	8	15.4%	6	12.8%	3	6.7%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	1	1.9%	1	2.1%	2	4.4%
Two or More Races, 25-44	0	0.0%	0	0.0%	1	2.2%
Unknown, 25-44	3	5.8%	0	0.0%	0	0.0%
25-44 Total	15	28.8%	11	23.4%	9	20.0%
African American, 45-64	0	0.0%	0	0.0%	1	2.2%
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%	1	2.2%
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	52	100.0%	47	100.0%	45	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.)*

We received approval from SACS-COC of our substantive change to close the Associate in Engineering (AE) degree effective Fall 2023. Due to the elimination of the AE degree; these student numbers should be included in the AS degree enrollment moving forward.

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	No action items required since the program has been terminated.	Not applicable

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	NA (See retention items from Associate in Science degree.)	AE degree was terminated. (See AS degree program review for more information regarding retention.)

Baseline: **51.3** % (*Average of last three years – 2018-19; 2019-20; 2020-21; program retention*)
Standard: **NA** %
Target: **NA** %

Fall to Fall	Retention Rate
Fall 2019 to Fall 2020	43.6%
Fall 2020 to Fall 2021	65.6%
Fall 2021 to Fall 2022	50.0%

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	1	5.9%	1	4.8%	2	10.5%
Caucasian, Female	2	11.8%	1	4.8%	0	0.0%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	1	5.9%	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	4	23.5%	2	9.5%	2	10.5%
African American, Male	4	23.5%	5	23.8%	4	21.1%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	0	0.0%
Asian, Male	1	5.9%	1	4.8%	1	5.3%
Caucasian, Male	4	23.5%	9	42.9%	7	36.8%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	3	17.6%	3	14.3%	4	21.1%
Two or More Races, Male	1	5.9%	1	4.8%	1	5.3%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	13	76.5%	19	90.5%	17	89.5%
Total	17	100.0%	21	100.0%	19	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	1	5.9%	1	4.8%	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	1	5.9%	1	4.8%	0	0.0%
African American, 18-24	2	11.8%	3	14.3%	2	10.5%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	0	0.0%
Asian, 18-24	2	11.8%	2	9.5%	3	15.8%
Caucasian, 18-24	5	29.4%	8	38.1%	7	36.8%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	4	23.5%	3	14.3%	4	21.1%
Two or More Races, 18-24	1	5.9%	1	4.8%	1	5.3%
Unknown, 18-24	0	0.0%	0	0.0%	0	0.0%
18-24 Total	14	82.4%	17	81.0%	17	89.5%
African American, 25-44	2	11.8%	2	9.5%	1	5.3%
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	0	0.0%	1	4.8%	0	0.0%
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	11.8%	3	14.3%	1	5.3%
African American, 45-64	0	0.0%	0	0.0%	1	5.3%
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%	1	5.3%
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	17	100.0%	21	100.0%	19	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.)*

We received approval from SACS-COC of our substantive change to close the Associate in Engineering (AE) degree effective Fall 2023. Due to the elimination of the AE degree; these student numbers should be included in the AS degree enrollment moving forward.

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	No action item required since the AE program has been terminated.	Not applicable.

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	NA (See items from Associate in Science degree.)	AE degree was terminated. (See AS degree program review for more information regarding retention.)

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

All Current AE students have either graduated or changed their majors to AS (or other program degree on campus).

Number of Completers (*unduplicated*) – *Graduation Year – Summer, Fall, Spring*	
Graduation Year	**Total Completers**
2020-2021	9
2021-2022	10
2022-2023	5

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%	1	20.0%
Asian, Female	0	0.0%	1	10.0%	0	0.0%
Caucasian, Female	1	11.1%	0	0.0%	1	20.0%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	0	0.0%	0	0.0%	1	20.0%
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	1	11.1%	1	10.0%	3	60.0%
African American, Male	0	0.0%	2	20.0%	0	0.0%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	0	0.0%
Asian, Male	0	0.0%	1	10.0%	0	0.0%
Caucasian, Male	8	88.9%	5	50.0%	0	0.0%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	0	0.0%	1	10.0%	2	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	8	88.9%	9	90.0%	2	40.0%
Total	9	100.0%	10	100.0%	5	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	0	0.0%	2	20.0%	0	0.0%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	0	0.0%
Asian, 18-24	0	0.0%	2	20.0%	1	20.0%
Caucasian, 18-24	7	77.8%	5	50.0%	1	20.0%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	0	0.0%	1	10.0%	0	0.0%
Two or More Races, 18-24	0	0.0%	0	0.0%	2	40.0%
Unknown, 18-24	0	0.0%	0	0.0%	0	0.0%
18-24 Total	7	77.8%	10	100.0%	4	80.0%
African American, 25-44	0	0.0%	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%	0	0.0%
Caucasian, 25-44	2	22.2%	0	0.0%	0	0.0%
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%	1	20.0%
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	22.2%	0	0.0%	1	20.0%
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%	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	9	100.0%	10	100.0%	5	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?)*

We received approval from SACS-COC of our substantive change to close the Associate in Engineering (AE) degree effective Fall 2023. Due to the elimination of the AE degree; these student numbers should be included in the AS degree enrollment moving forward. As of Fall 2023, we have zero students enrolled in the AE degree program.

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	No action item required since the AE program was terminated.	Not applicable.

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: _____Becky Mulligan_____ 9/25/2023

Department Chair, Dean, Director, and/or AVP / Date: ____Laura Buddin_____ 9/26/2023