

**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: Software Development

Outcome #1: Enrollment (unduplicated)

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	Work with the Marketing department and WCC Recruiter on campus to target females to the field (Assessed by: If the campaign is successful, there will be an increase in female enrollment in the next cycle. The faculty can also focus on reaching out directly to females who have applied for enrollment in the Software Development program to ensure they continue the admissions process and are registered.)	This action is still in progress. We will continue this action item going forward.

Baseline: 54 # (Average of total enrollment for the last three years – 2018-19; 2019-20; 2020-21)

Standard: 56 #

Target: 58 #

Program Enrollment

Program Enrollment (unduplicated)	
Academic Year (Fall, Spring, Summer)	Enrollment
2020-2021	46
2021-2022	49
2022-2023	49

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	2	4.3%	2	4.1%	2	4.1%
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	4	8.7%	4	8.2%	4	8.2%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	3	6.5%	5	10.2%	4	8.2%
Two or More Races, Female	2	4.3%	2	4.1%	1	2.0%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	11	23.9%	13	26.5%	11	22.4%
African American, Male	10	21.7%	13	26.5%	12	24.5%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	0	0.0%
Asian, Male	2	4.3%	1	2.0%	1	2.0%
Caucasian, Male	15	32.6%	12	24.5%	16	32.7%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	5	10.9%	8	16.3%	7	14.3%
Two or More Races, Male	3	6.5%	2	4.1%	2	4.1%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	35	76.1%	36	73.5%	38	77.6%
Total	46	100.0%	49	100.0%	49	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	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	6	13.0%	8	16.3%	5	10.2%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	0	0.0%
Asian, 18-24	1	2.2%	0	0.0%	0	0.0%
Caucasian, 18-24	14	30.4%	9	18.4%	10	20.4%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	6	13.0%	11	22.4%	10	20.4%
Two or More Races, 18-24	3	6.5%	2	4.1%	1	2.0%
Unknown, 18-24	0	0.0%	0	0.0%	0	0.0%
18-24 Total	30	65.2%	30	61.2%	26	53.1%
African American, 25-44	4	8.7%	6	12.2%	7	14.3%
American Indian/Alaskan Native, 25-44	0	0.0%	0	0.0%	0	0.0%
Asian, 25-44	0	0.0%	0	0.0%	1	2.0%
Caucasian, 25-44	5	10.9%	7	14.3%	10	20.4%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	2	4.3%	1	2.0%	1	2.0%
Two or More Races, 25-44	2	4.3%	2	4.1%	2	4.1%
Unknown, 25-44	0	0.0%	0	0.0%	0	0.0%
25-44 Total	13	28.3%	16	32.7%	21	42.9%
African American, 45-64	2	4.3%	1	2.0%	2	4.1%
American Indian/Alaskan Native, 45-64	0	0.0%	0	0.0%	0	0.0%
Asian, 45-64	1	2.2%	1	2.0%	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%	1	2.0%	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	3	6.5%	3	6.1%	2	4.1%
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	46	100.0%	49	100.0%	49	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 enrollment for Software Development stayed the same as the previous academic year. The program has maintained a steady enrollment. Efforts to increase and maintain enrollment included an intentional focus on current and new students with recruiting events, phone calls, virtual office meetings, emails, and registration assistance.

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	Work with the Marketing department on campus to target females to the field	Assessed by: If the campaign is successful, there will be an increase in female enrollment in the next cycle. The faculty can also focus on reaching out directly to females who have applied for enrollment in the Software Development program to ensure they continue the admissions process and are registered

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	Inform students of the next credential eligibility to reinforce retention. (Assessed by: Faculty will create an advising sheet which will notify students of their earned credentials (certificates, diploma, or degree) each semester to motivate and encourage students to stay enrolled.)	This action item is still in progress. We will continue this action item going forward.

Baseline: 42.2 % *(Average of last three years – 2018-19; 2019-20; 2020-21; program retention)*
Standard: 44 %
Target: 45 %

Fall to Fall	Retention Rate
Fall 2020 to Fall 2021	54.8%
Fall 2021 to Fall 2022	53.0%
Fall 2022 to Fall 2023	55.0%

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%	2	9.1%
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	11.8%	2	11.1%	2	9.1%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	2	11.8%	0	0.0%	2	9.1%
Two or More Races, Female	0	0.0%	3	16.7%	1	4.5%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	5	29.4%	5	27.8%	7	31.8%
African American, Male	3	17.6%	6	33.3%	6	27.3%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	0	0.0%
Asian, Male	1	5.9%	0	0.0%	0	0.0%
Caucasian, Male	6	35.3%	4	22.2%	5	22.7%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	1	5.9%	2	11.1%	4	18.2%
Two or More Races, Male	1	5.9%	1	5.6%	0	0.0%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	12	70.6%	13	72.2%	15	68.2%
Total	17	100.0%	18	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%	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	3	17.6%	4	22.2%	5	22.7%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	0	0.0%
Asian, 18-24	1	5.9%	0	0.0%	0	0.0%
Caucasian, 18-24	6	35.3%	3	16.7%	4	18.2%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	2	11.8%	5	27.8%	6	27.3%
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	13	76.5%	12	66.7%	15	68.2%
African American, 25-44	1	5.9%	2	11.1%	3	13.6%
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%	3	16.7%	3	13.6%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	1	5.9%	0	0.0%	0	0.0%
Two or More Races, 25-44	0	0.0%	1	5.6%	1	4.5%
Unknown, 25-44	0	0.0%	0	0.0%	0	0.0%
25-44 Total	4	23.5%	6	33.3%	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%	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	17	100.0%	18	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.)*

The Software Development program has seen an increase in female retention and a slight decrease in male retention. The program offers multiple delivery modalities (hybrid, evening, online) to meet student needs. Faculty continue to strive for increased retention through multiple means such as early alerts, referral to the academic skills center and increased advising efforts.

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	Inform students of the next credential eligibility to reinforce retention.	Assessed by: Faculty will create an advising sheet which will notify students of their earned credentials (certificates, diploma, or degree) each semester to motivate and encourage students to stay enrolled.

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	Implement Instructor checkpoints to verify student performance in classes (Assessed by: Faculty will continue to track and follow up on student alerts and reach out to students who are in danger of failing courses to advise on resources available.)	Still in progress. We will continue this action item going forward.

Baseline: 13 # (Average of total completers for the last three years – 2019-20; 2020-21; 2021-22)

Standard: 14 #

Target: 15 #

Number of Completers (unduplicated) – Graduation Year – Summer, Fall, Spring	
Graduation Year	Total Completers
2021-2022	16
2022-2023	14
2023-2024	12

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	2	12.5%	0	0.0%	2	16.7%
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%	2	14.3%	0	0.0%
Hawaiian/Other Pacific Islander, Female	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Female	1	6.3%	1	7.1%	0	0.0%
Two or More Races, Female	0	0.0%	0	0.0%	1	8.3%
Unknown, Female	0	0.0%	0	0.0%	0	0.0%
Female Total	3	18.8%	3	21.4%	3	25.0%
African American, Male	6	37.5%	5	35.7%	4	33.3%
American Indian/Alaskan Native, Male	0	0.0%	0	0.0%	0	0.0%
Asian, Male	1	6.3%	0	0.0%	0	0.0%
Caucasian, Male	4	25.0%	2	14.3%	4	33.3%
Hawaiian/Other Pacific Islander, Male	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, Male	1	6.3%	3	21.4%	1	8.3%
Two or More Races, Male	1	6.3%	1	7.1%	0	0.0%
Unknown, Male	0	0.0%	0	0.0%	0	0.0%
Male Total	13	81.3%	11	78.6%	9	75.0%
Total	16	100.0%	14	100.0%	12	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%	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	3	18.8%	1	7.1%	3	25.0%
American Indian/Alaskan Native, 18-24	0	0.0%	0	0.0%	0	0.0%
Asian, 18-24	1	6.3%	0	0.0%	0	0.0%
Caucasian, 18-24	2	12.5%	2	14.3%	2	16.7%
Hawaiian/Other Pacific Islander, 18-24	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 18-24	2	12.5%	3	21.4%	1	8.3%
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	8	50.0%	6	42.9%	6	50.0%
African American, 25-44	0	0.0%	3	21.4%	3	25.0%
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	0	0.0%	2	14.3%	2	16.7%
Hawaiian/Other Pacific Islander, 25-44	0	0.0%	0	0.0%	0	0.0%
Hispanic/Latino, 25-44	0	0.0%	1	7.1%	0	0.0%
Two or More Races, 25-44	0	0.0%	1	7.1%	1	8.3%
Unknown, 25-44	0	0.0%	0	0.0%	0	0.0%
25-44 Total	0	0.0%	7	50.0%	6	50.0%
African American, 45-64	3	18.8%	1	7.1%	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	4	25.0%	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	1	6.3%	0	0.0%	0	0.0%
Unknown, 45-64	0	0.0%	0	0.0%	0	0.0%
45-64 Total	8	50.0%	1	7.1%	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	16	100.0%	14	100.0%	12	100.0%

