Academic Achievement Center (AAC) Courses Review

Summary

- Among the past 5 years (2018 Fall to 2022 Spring), AAC 103 course has an average enrollment of 50 students.
- Average pass rate for AAC 103 course is 82%.
- Students with higher than 2.0 semester GPA usually have higher pass rate in AAC103 than students with lower than 2.0 semester GPA.
- An average of 73% students in AAC 103 course have a higher than 2.0 semester GPA.
- Among those who pass AAC 103, 77% have a higher than 2.0 GPA and 23% do not have a good enough semester GPA. Among those who failed AAC 103, 58% still have a higher than 2.0 semester GPA (without succeeding in AAC 1O3 course).
- Taking AAC 103 the second and third times does not improve pass rate or percentage of obtaining higher than 2.0 semester GPA.

Enrollment

Table 1: AAC course enrollment by term

	Average	2018 Fall	2019 Spring	2019 Fall	2020 Spring	2020 Fall	2021 Spring	2021 Fall	2022 Spring
AAC102	56		80		43				46
AAC103	56	54	66	58	82	50	43	48	44
AAC104	50						50		

Among the past 5 years (2018 Fall to 2022 Spring), AAC courses enrollment range from 43 to 82. An average enrollment for AAC103 is 56 students.

Pass Rate

Table 2: AAC courses pass rates

	Average	2018 Fall	2019 Spring	2019 Fall	2020 Spring	2020 Fall	2021 Spring	2021 Fall	2022 Spring
AAC102	79%		62%		93%				80%
AAC103	74%	69%	77%	76%	78%	59%	74%	83%	73%
AAC104	66%						66%		

Average pass rate for AAC courses are above 73% across the past 5 academic years.

AAC103 Pass rate for students with different semester GPA

Table 3: AAC103 pass rates by semester GPA

	Semester GPA >2	Semester GPA <2	Difference
2018 Fall	76%	46%	29%
2019 Fall	86%	50%	36%
2019 Spring	87%	63%	24%
2020 Fall	88%	31%	57%
2020 Spring	83%	64%	20%
2021 Fall	93%	68%	25%
2021 Spring	89%	47%	43%
2022 Spring	86%	50%	36%

Students with higher than 2.0 semester GPA usually have a 20% to 57% higher AAC 103 pass rate than students with lower than 2.0 semester GPA.

Semester GPA

An average of 77% students in AAC 102 course have a higher than 2.0 semester GPA in the past 5 years. The average percentage of higher than 2.0 semester GPA for AAC 103 course is 65%.

Table 4: Percentage of higher than 2.0 semester GPA

	Average	2018 Fall	2019 Spring	2019 Fall	2020 Spring	2020 Fall	2021 Spring	2021 Fall	2022 Spring
AAC102	77%		84%		88%				59%
AAC103	65%	76%	59%	72%	73%	49%	65%	60%	64%
AAC104	30%						30%		

Table 5: Percentage of higher than 2.0 semester GPA among students who passed or failed AAC103

	Average	2018 Fall	2019 Spring	2019 Fall	2020 Spring	2020 Fall	2021 Spring	2021 Fall	2022 Spring
Fail	36%	59%	33%	43%	56%	14%	27%	25%	33%
Pass	76%	84%	67%	82%	78%	73%	78%	68%	75%

Semester GPA for students who pass or fail AAC103

Among students who passed AAC 103, an average of 76% students have a higher than 2.0 semester GPA. In contrast, only an average of 36% students have a higher than 2.0 semester GPA among students who failed AAC 103.

Retaking AAC103

Pass rate when retaking

Table 6: AAC103 pass rates for different times of retaking the course

Times	Pass rate	N
1st	80%	76
2nd	67%	76
3rd	71%	17

In analysis, we found 6 students took AAC 103 4 times and 2 of them took the course 5 times. Due to the small sample size, we exclude those students from pass rate reviewing. The following tables reported students who took AAC 103 for the 1st, 2nd, and 3rd time.

First time takers has the highest pass rate of 0.802631578947368, while the pass rate decreased to 0.671052631578947 and 0.705882352941177 when students retaking the course for the second

and third time. In other words, AAC 103's pass rate did not increase for along with students times of retaking the course.

Semester GPA when retaking

Table 7: Higher than 2.0 Semester GPA for different times of retaking the course

Times	Semester GPA >2	N
1st	59%	76
2nd	62%	76
3rd	41%	17

Percentage of higher than 2.0 semester GPA among AAC 103 retakers range from 41% to 62%, with the second time being the highest percentage of higher than 2.0 GPA.