

# 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 103 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

Among the past 5 years (2018 Fall to 2022 Spring), AAC courses enrollment range from 34 to 79. An average enrollment for AAC103 is 50 students.

Table 1: AAC course enrollment by term

	Average	2018 Fall	2019 Spring	2019 Fall	2020 Spring	2020 Fall	2021 Spring	2022 Spring
<b>AAC102</b>	51		76		40			
<b>AAC103</b>	50	50	59	53	79	38	38	
<b>AAC104</b>	34						34	

Table 2: AAC courses pass rates

	Average	2018 Fall	2019 Spring	2019 Fall	2020 Spring	2020 Fall	2021 Spring	2022 Spring
<b>AAC102</b>	88%		66%		100%			
<b>AAC103</b>	82%	74%	83%	83%	81%	76%	84%	
<b>AAC104</b>	85%						85%	

Table 3: AAC103 pass rates by semester GPA

	Semester GPA >2	Semester GPA <2	Difference
<b>2018 Fall</b>	76%	67%	9%
<b>2019 Fall</b>	86%	73%	13%
<b>2019 Spring</b>	87%	75%	12%
<b>2020 Fall</b>	88%	54%	34%
<b>2020 Spring</b>	83%	74%	10%
<b>2021 Fall</b>	93%	93%	0%
<b>2021 Spring</b>	89%	70%	19%
<b>2022 Spring</b>	86%	64%	22%

## Pass Rate

Average pass rate for AAC courses are above 82% across the past 5 academic years.

### AAC103 Pass rate for students with different semester GPA

Students with higher than 2.0 semester GPA usually have higher pass rate in AAC103 than students with lower than 2.0 semester GPA. The difference of AAC103 pass rate for students from different semester GPA is as large as 34% in 2020 Fall.

Table 4: Percentage of higher than 2.0 semester GPA

	Average	2018 Fall	2019 Spring	2019 Fall	2020 Spring	2020 Fall
<b>AAC102</b>	85%		88%		95%	
<b>AAC103</b>	73%	82%	66%	79%	76%	66%
<b>AAC104</b>	44%					

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
Fail	58%	77%	50%	67%	67%	33%
Pass	77%	84%	69%	82%	78%	76%

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

Times	Pass rate	N
1st	83%	66
2nd	79%	66
3rd	77%	13

## Semester GPA

An average of 85% 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 73%.

### Semester GPA for students who pass or fail AAC103

Among students who passed AAC 103, an average of 77% students have a higher than 2.0 semester GPA. In contrast, only an average of 58% students have a higher than 2.0 semester GPA among students who failed AAC 103.

## Retaking AAC103

In analysis, we found 4 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.

### Pass rate when retaking

First time takers has the highest pass rate of 83%. In other words, AAC 103's pass rate did not increase for along with students times of retaking the course.

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

Times	Semester GPA >2	N
1st	65%	66
2nd	73%	66
3rd	46%	13

### **Semester GPA when retaking**

Percentage of higher than 2.0 semester GPA among AAC 103 retakers range from 46%-73%. The second time that students taking AAC 103 has 73%, the highest percentage, of higher than 2.0 GPA.