

APPENDIX

Table S1 ACT Math and Pre-Term Course GPA Mean Comparison Scores by Students' Demographic Groups in General Chemistry I Course

ACT Math Scores							
Demographics		N	Mean	Std. Dev	Df	t	p-value
Gender	Female	166	22.8	3.7	223	1.294	.197
	Male	59	23.7	3.6			
Race/Ethnicity	Racially marginalized groups	56	22.8	4.1	82.9	.581	.563
	White	168	23.1	3.5			
First-Generation Status	First-Gen	41	21.3	3.8	223	3.346	<.001*
	Non-First Gen	184	23.4	3.5			
Pre-Term Course GPA							
Demographics		N	Mean	Std Dev	Df	t	p-value
Gender	Female	185	3.3	0.5	255	1.381	.168
	Male	72	3.2	0.6			
Race/Ethnicity	Racially marginalized groups	69	3.4	0.5	251	.760	.448
	White	184	3.3	0.5			
First-Generation Status	First-Gen	48	3.1	0.6	255	2.940	.004*
	Non-First Gen	209	3.4	0.5			

*Indicates that $p < .01$ and statistically significant.