

Biomedical Engineering Innovation Summer 2021

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1 I intend to study engineering in college

1.1 sex

Demographics with less than 5 responses are not shown.

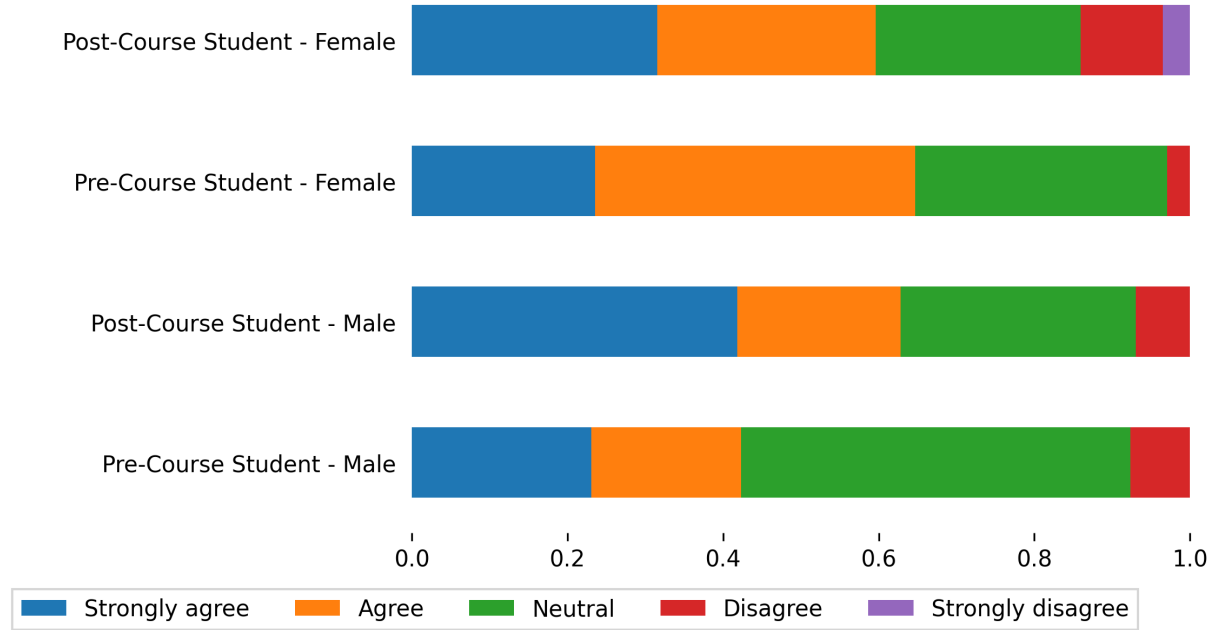


Table 1: strongly agree=5, agree=4, neutral=3, disagree=2, and strongly disagree=1

	Mean	Agrees
Pre-Course Student - Male	3.58	42.31
Post-Course Student - Male	3.98	62.79
Pre-Course Student - Female	3.85	64.71
Post-Course Student - Female	3.74	59.65

1.2 race

Demographics with less than 5 responses are not shown.

Pre-Course Student - American Indian or Alaska Native not shown

Pre-Course Student - Black or African American not shown

Pre-Course Student - Native Hawaiian or Other Pacific not shown

Post-Course Student - American Indian or Alaska Native not shown

Post-Course Student - Native Hawaiian or Other Pacific not shown

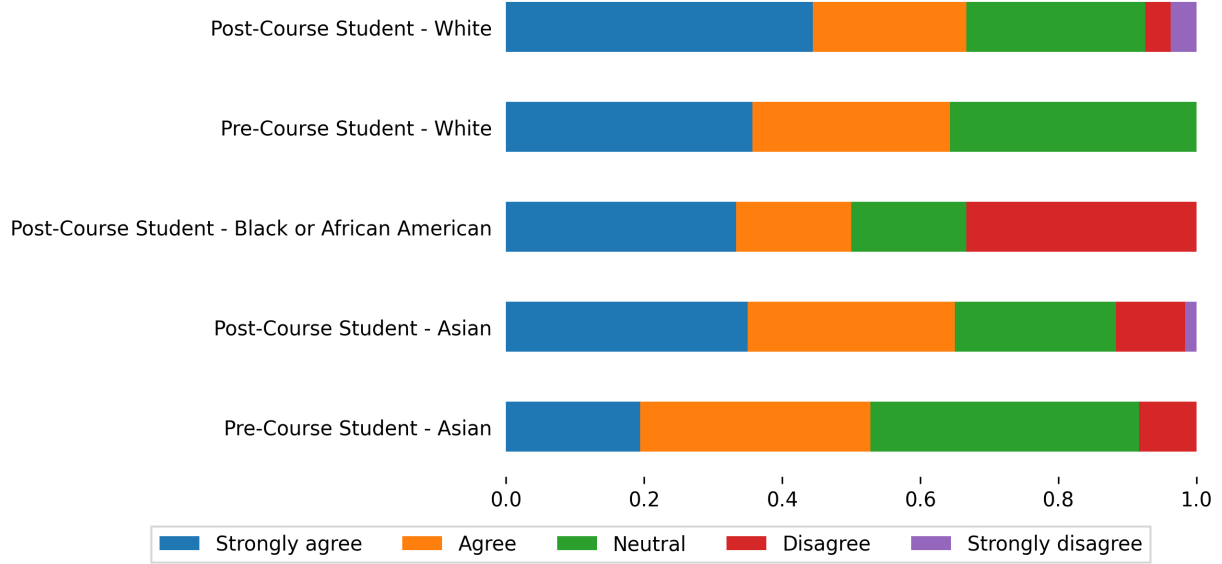


Table 2: strongly agree=5, agree=4, neutral=3, disagree=2, and strongly disagree=1

	Mean	Agrees
Pre-Course Student - American Indian or Alaska Native	nan	nan
Post-Course Student - American Indian or Alaska Native	nan	nan
Pre-Course Student - Asian	3.64	52.78
Post-Course Student - Asian	3.87	65.0
Pre-Course Student - Black or African American	3.33	33.33
Post-Course Student - Black or African American	3.5	50.0
Pre-Course Student - Native Hawaiian or Other Pacific	nan	nan
Post-Course Student - Native Hawaiian or Other Pacific	nan	nan
Pre-Course Student - White	4.0	64.29
Post-Course Student - White	4.0	66.67

1.3 hispanic

Demographics with less than 5 responses are not shown.

Pre-Course Student - Hispanic not shown

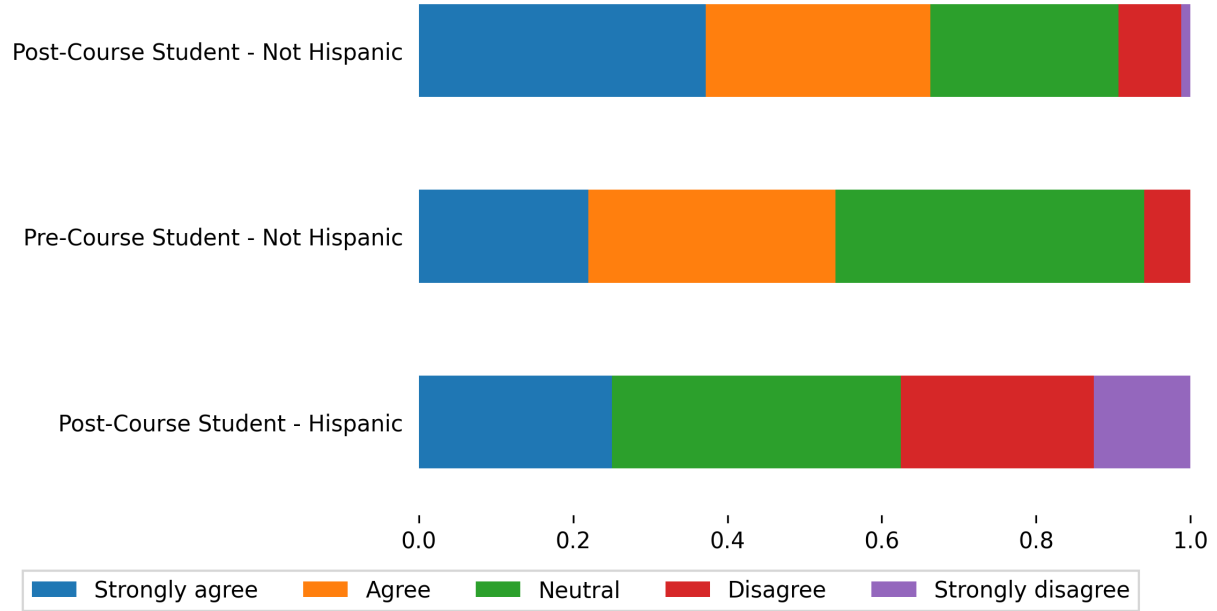


Table 3: strongly agree=5, agree=4, neutral=3, disagree=2, and strongly disagree=1

	Mean	Agrees
Pre-Course Student - Hispanic	3.33	33.33
Post-Course Student - Hispanic	3.0	25.0
Pre-Course Student - Not Hispanic	3.7	54.0
Post-Course Student - Not Hispanic	3.93	66.28

1.4 current grade

Demographics with less than 5 responses are not shown.

Pre-Course Student - 9th grade not shown

Pre-Course Student - 12th grade not shown

Post-Course Student - 9th grade not shown

Post-Course Student - 12th grade not shown

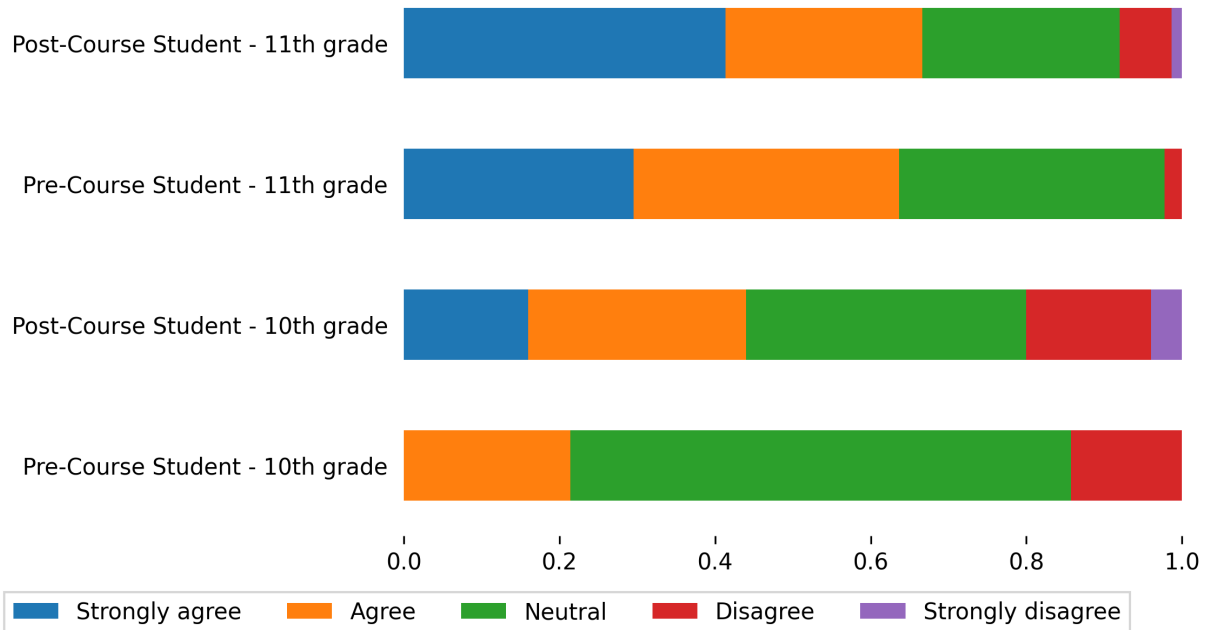


Table 4: strongly agree=5, agree=4, neutral=3, disagree=2, and strongly disagree=1

	Mean	Agrees
Pre-Course Student - 9th grade	4.0	100.0
Post-Course Student - 9th grade	4.0	100.0
Pre-Course Student - 10th grade	3.07	21.43
Post-Course Student - 10th grade	3.36	44.0
Pre-Course Student - 11th grade	3.91	63.64
Post-Course Student - 11th grade	3.99	66.67
Pre-Course Student - 12th grade	5.0	100.0
Post-Course Student - 12th grade	5.0	100.0

2 I feel prepared to study engineering in college

2.1 sex

Demographics with less than 5 responses are not shown.

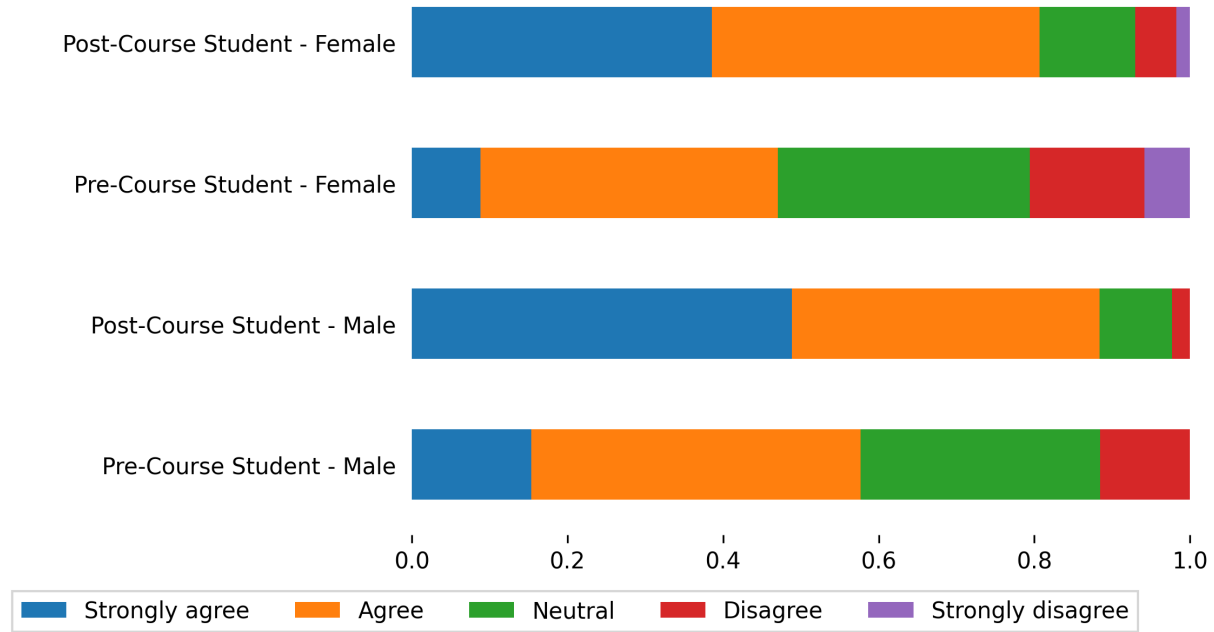


Table 5: strongly agree=5, agree=4, neutral=3, disagree=2, and strongly disagree=1

	Mean	Agrees
Pre-Course Student - Male	3.62	57.69
Post-Course Student - Male	4.35	88.37
Pre-Course Student - Female	3.29	47.06
Post-Course Student - Female	4.11	80.7

2.2 race

Demographics with less than 5 responses are not shown.

Pre-Course Student - American Indian or Alaska Native not shown

Pre-Course Student - Black or African American not shown

Pre-Course Student - Native Hawaiian or Other Pacific not shown

Post-Course Student - American Indian or Alaska Native not shown

Post-Course Student - Native Hawaiian or Other Pacific not shown

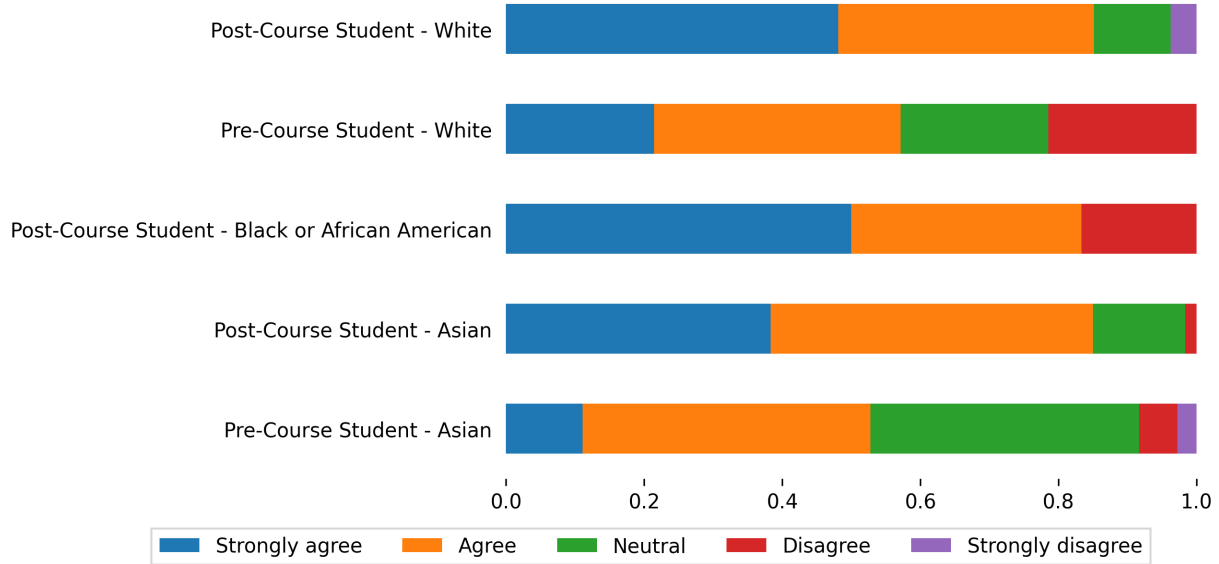


Table 6: strongly agree=5, agree=4, neutral=3, disagree=2, and strongly disagree=1

	Mean	Agrees
Pre-Course Student - American Indian or Alaska Native	nan	nan
Post-Course Student - American Indian or Alaska Native	nan	nan
Pre-Course Student - Asian	3.53	52.78
Post-Course Student - Asian	4.22	85.0
Pre-Course Student - Black or African American	2.67	33.33
Post-Course Student - Black or African American	4.17	83.33
Pre-Course Student - Native Hawaiian or Other Pacific	nan	nan
Post-Course Student - Native Hawaiian or Other Pacific	nan	nan
Pre-Course Student - White	3.57	57.14
Post-Course Student - White	4.26	85.19

2.3 hispanic

Demographics with less than 5 responses are not shown.

Pre-Course Student - Hispanic not shown

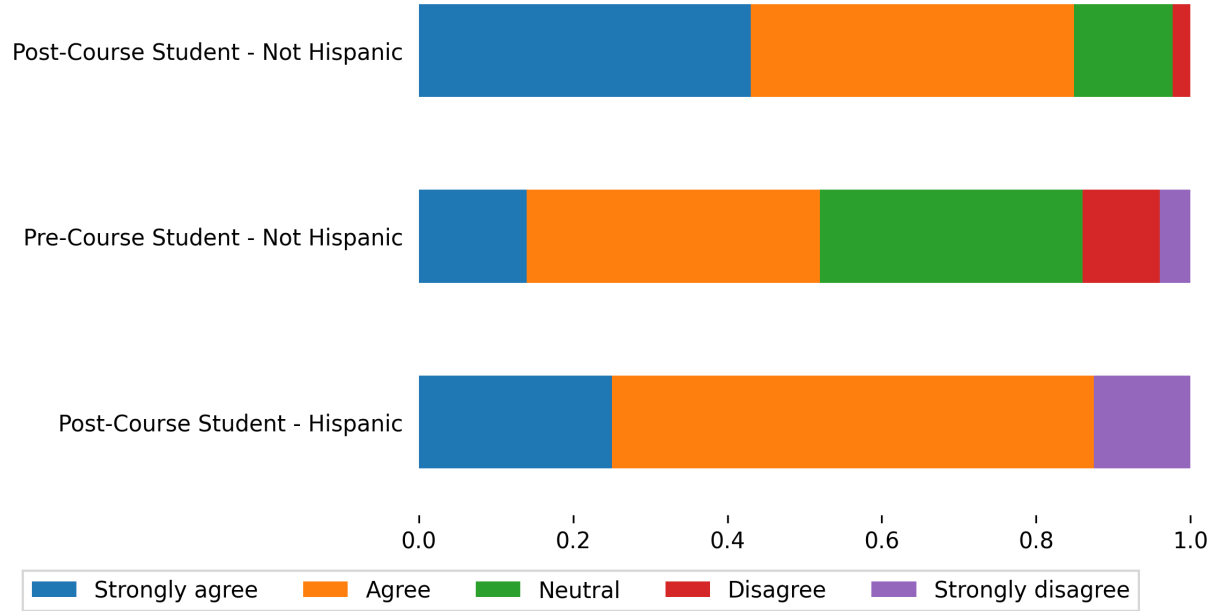


Table 7: strongly agree=5, agree=4, neutral=3, disagree=2, and strongly disagree=1

	Mean	Agrees
Pre-Course Student - Hispanic	3.0	33.33
Post-Course Student - Hispanic	3.88	87.5
Pre-Course Student - Not Hispanic	3.48	52.0
Post-Course Student - Not Hispanic	4.26	84.88

2.4 current grade

Demographics with less than 5 responses are not shown.

Pre-Course Student - 9th grade not shown

Pre-Course Student - 12th grade not shown

Post-Course Student - 9th grade not shown

Post-Course Student - 12th grade not shown

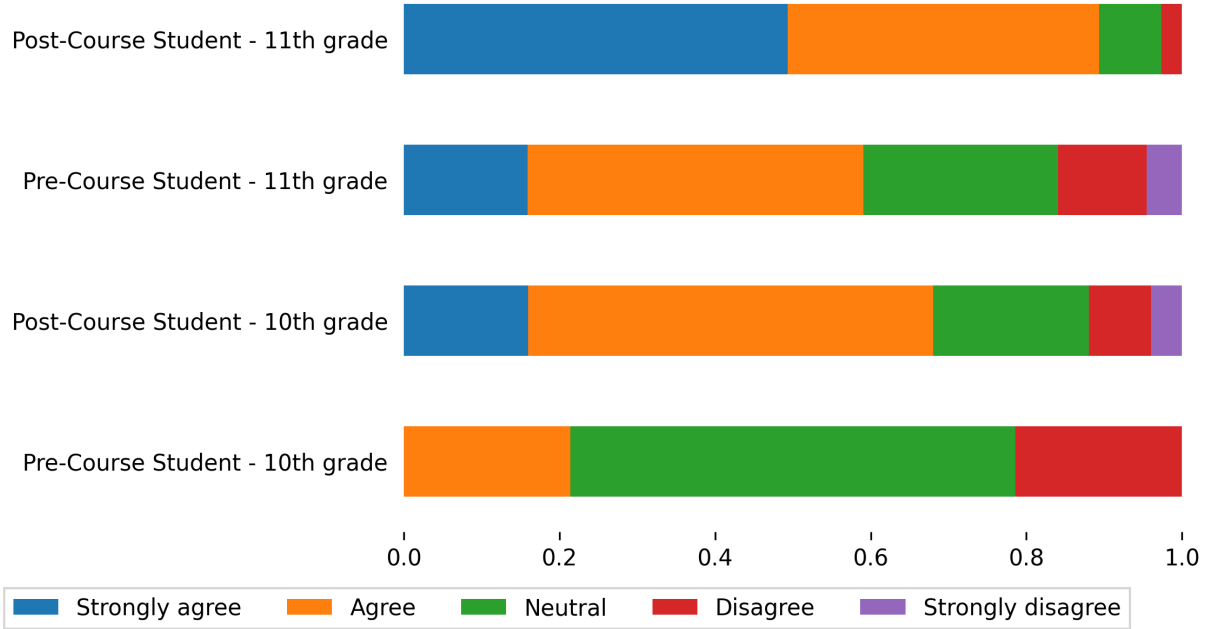


Table 8: strongly agree=5, agree=4, neutral=3, disagree=2, and strongly disagree=1

	Mean	Agrees
Pre-Course Student - 9th grade	4.0	100.0
Post-Course Student - 9th grade	5.0	100.0
Pre-Course Student - 10th grade	3.0	21.43
Post-Course Student - 10th grade	3.68	68.0
Pre-Course Student - 11th grade	3.55	59.09
Post-Course Student - 11th grade	4.36	89.33
Pre-Course Student - 12th grade	4.0	100.0
Post-Course Student - 12th grade	5.0	100.0