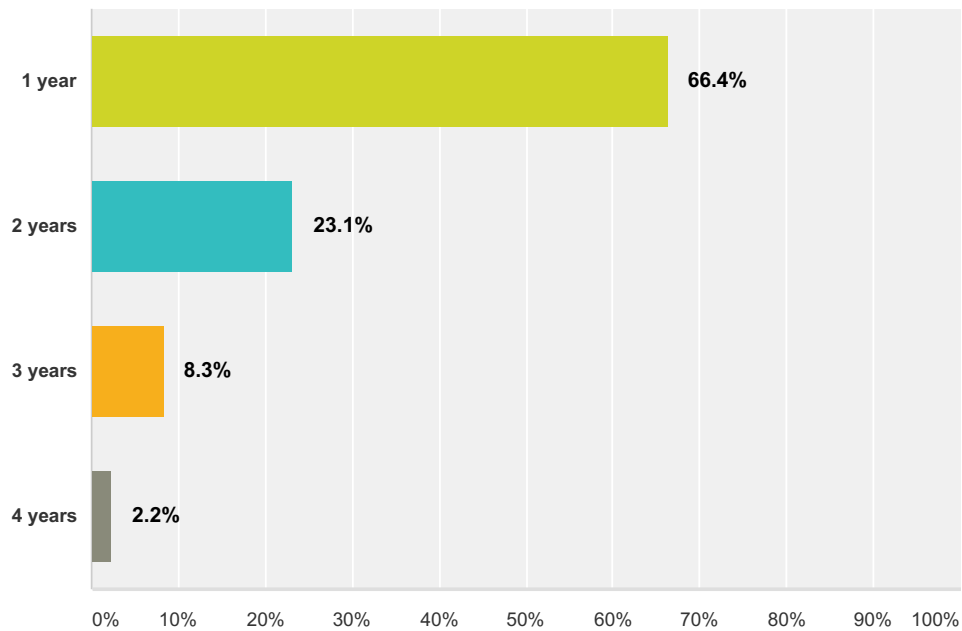


Q15 How many years have you participated in ACE?

Answered: 2,300 Skipped: 11



Q16 My high school is nearest to which of the following ACE affiliates (chapters)?

Answered: 2,261 Skipped: 50

Answer Choices	Responses
AL Birmingham	1.5% 33
AZ Phoenix	1.0% 23
CA Inland Empire	0.5% 12
CA Los Angeles	4.0% 91
CA San Diego	3.5% 79
CA S.F. Bay Area (incl. Oakland, San Jose, Contra Costa)	2.7% 62
CO Denver	1.5% 35
CT Bridgeport/Stratford/Trumbull	0.9% 20
CT Hartford	0.7% 16
CT New Britain	0.2% 5
CT New Haven	0.9% 21
CT Southington	0.0% 0
CT Waterbury	0.0% 0

2017 ACE Mentor Program Participants (April 2017)

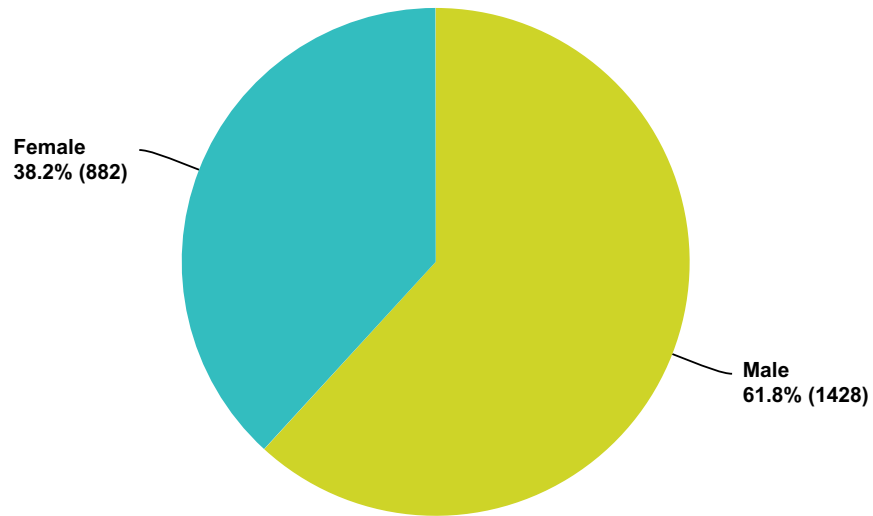
Delaware	0.9%	20
District of Columbia	0.9%	21
FL Broward County	0.5%	11
FL Central Area (Orlando)	1.8%	41
FL Dade County	0.5%	11
FL Northeast (Jacksonville)	1.1%	26
FL Palm Beach/Martin County	0.3%	7
FL Polk County	0.7%	15
FL Sarasota	1.5%	34
FL Tampa	0.5%	11
GA Atlanta	1.3%	30
HI Honolulu	0.1%	2
IA Des Moines	2.8%	63
IA Eastern Iowa	0.0%	1
IL Chicago	5.0%	113
IN Indianapolis	1.5%	34
KY Lexington	0.4%	8
KY Louisville	0.6%	13
LA New Orleans	0.4%	10
MA Boston/Cambridge	1.9%	42
MD Annapolis	0.9%	21
MD Baltimore	1.5%	35
MD Eastern Shore	0.7%	16
MD Frederick	1.1%	24
MD Montgomery, Prince Georges counties	0.6%	14
ME Portland	0.2%	4
MI Detroit	0.0%	0
MI Mt. Clemens	0.0%	0
MI St. Joseph/Benton Harbor	0.0%	0
MN Twin Cities	1.2%	27
MO Kansas City	0.7%	16
MO St. Louis	0.0%	1
NC Charlotte	1.6%	36
NC Raleigh/Durham	1.6%	36
Nebraska (Omaha)	0.4%	8

2017 ACE Mentor Program Participants (April 2017)

Nevada	0.7%	16
New Jersey	1.0%	23
NY Greater New York City	12.8%	289
NY Hudson Valley	1.7%	38
NY Rochester	0.7%	15
NY Upstate -- Albany	0.2%	5
OH Cleveland	2.0%	45
OH Columbus	0.4%	8
OR Portland	3.1%	71
PA Cumberland County	0.5%	12
PA Dauphin County	0.6%	13
PA Lancaster County	1.0%	22
PA Lehigh Valley	0.1%	3
PA Philadelphia (Eastern PA)	3.8%	85
PA Pittsburgh	0.8%	18
PA York County	0.3%	6
PR San Juan	0.1%	3
RI Providence/Northern RI	1.1%	26
SC Charleston	0.4%	8
SC Upstate (Greenville)	0.1%	3
TN Chattanooga and SE Tennessee	0.7%	16
TN Nashville	2.6%	59
TX Austin	1.2%	27
TX Dallas	2.7%	60
TX North Dallas	0.8%	17
TX Fort Worth	0.3%	6
TX Houston	4.2%	96
TX San Antonio	1.3%	30
UTAH	0.1%	2
VA Arlington, Fairfax, Prince William counties + Alexandria	1.1%	24
VA Central (Richmond, Glen Allen, Charlottesville)	0.0%	1
WA Seattle	2.8%	64
NOT CERTAIN	0.1%	2
Total		2,261

Q17 Indicate your gender.

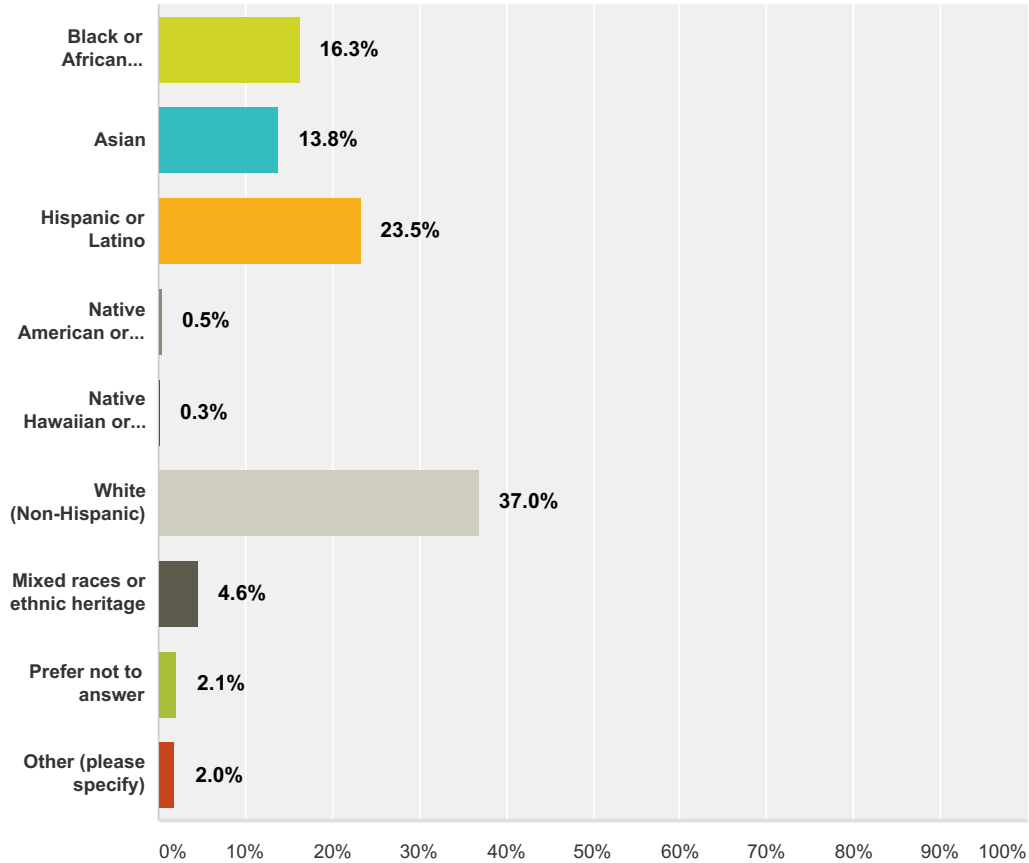
Answered: 2,310 Skipped: 1



Q18 Which of the following best describes your race or ethnic heritage? (select only one)

Answered: 2,300 Skipped: 11

2017 ACE Mentor Program Participants (April 2017)

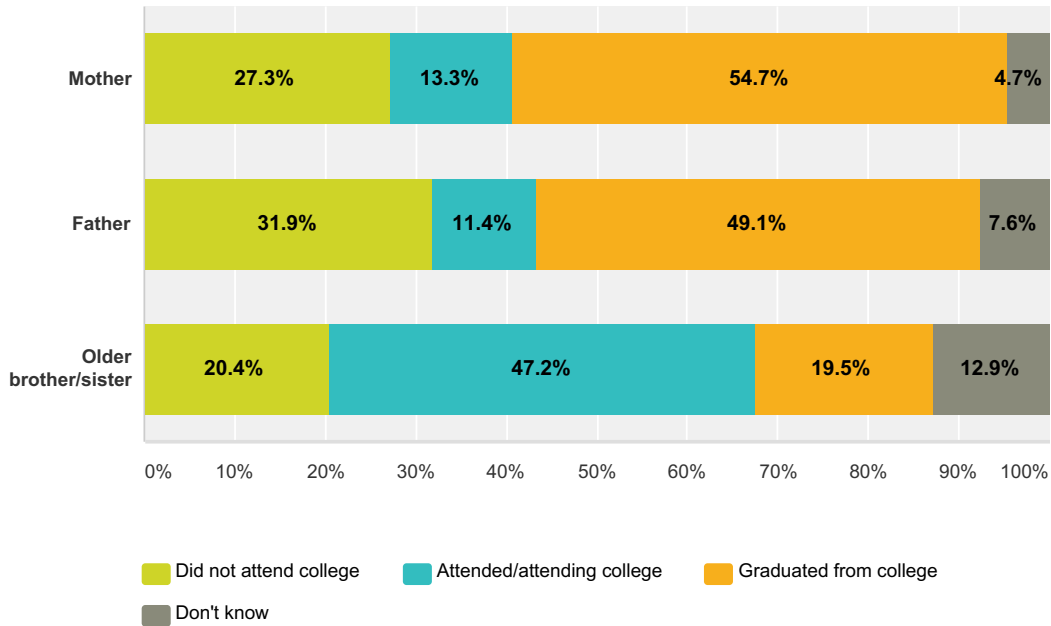


Answer Choices	Responses
Black or African American	16.3% 375
Asian	13.8% 318
Hispanic or Latino	23.5% 540
Native American or Alaska Native	0.5% 11
Native Hawaiian or other Pacific Islander	0.3% 7
White (Non-Hispanic)	37.0% 850
Mixed races or ethnic heritage	4.6% 106
Prefer not to answer	2.1% 48
Other (please specify)	2.0% 45
Total	2,300

Q19 What is your family's educational background? (If you do not have an older sibling, ignore that line.)

Answered: 2,298 Skipped: 13

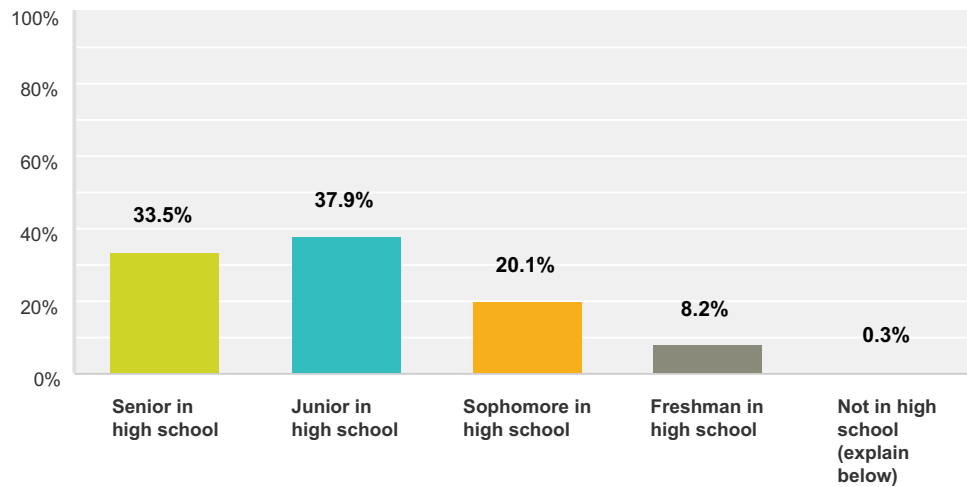
2017 ACE Mentor Program Participants (April 2017)



	Did not attend college	Attended/attending college	Graduated from college	Don't know	Total
Mother	27.3% 625	13.3% 306	54.7% 1,255	4.7% 107	2,293
Father	31.9% 724	11.4% 258	49.1% 1,116	7.6% 173	2,271
Older brother/sister	20.4% 292	47.2% 676	19.5% 279	12.9% 185	1,432

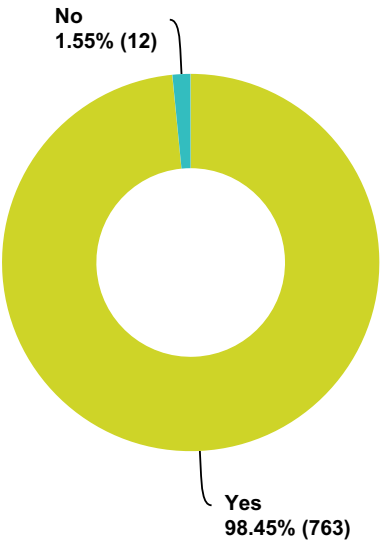
Q20 Currently I am a ...

Answered: 2,310 Skipped: 1



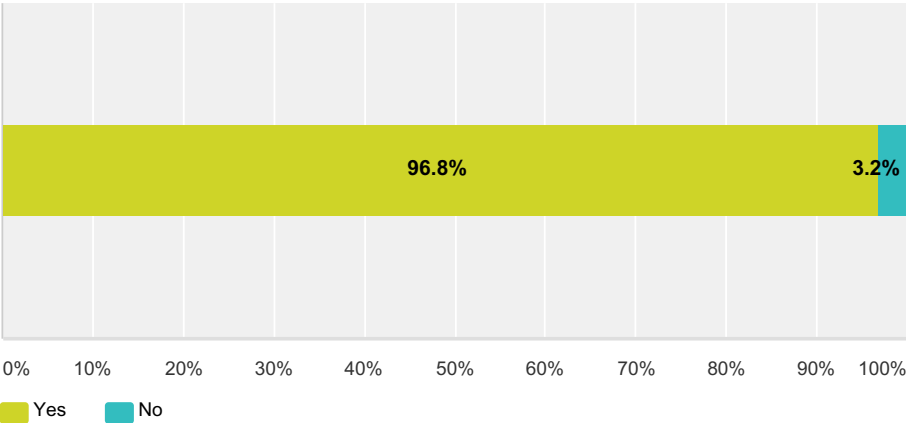
Q21 Will you graduate from high school this spring?

Answered: 775 Skipped: 1,536



Q22 Will you graduate within 4 years after you began high school?

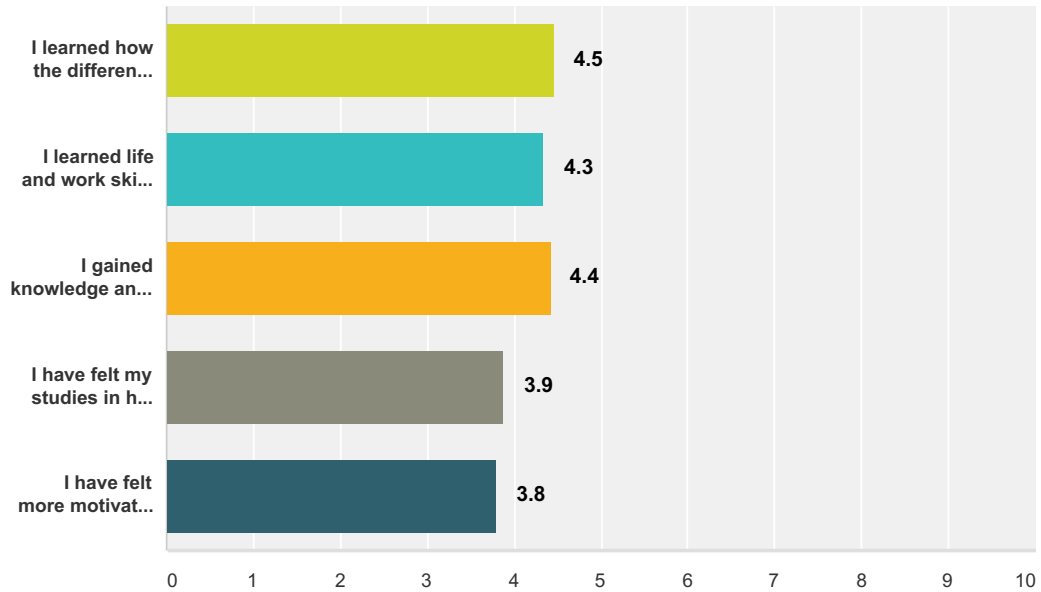
Answered: 740 Skipped: 1,571



Q23 By participating in ACE, I . . . (all statements must be answered)

Answered: 2,239 Skipped: 72

2017 ACE Mentor Program Participants (April 2017)

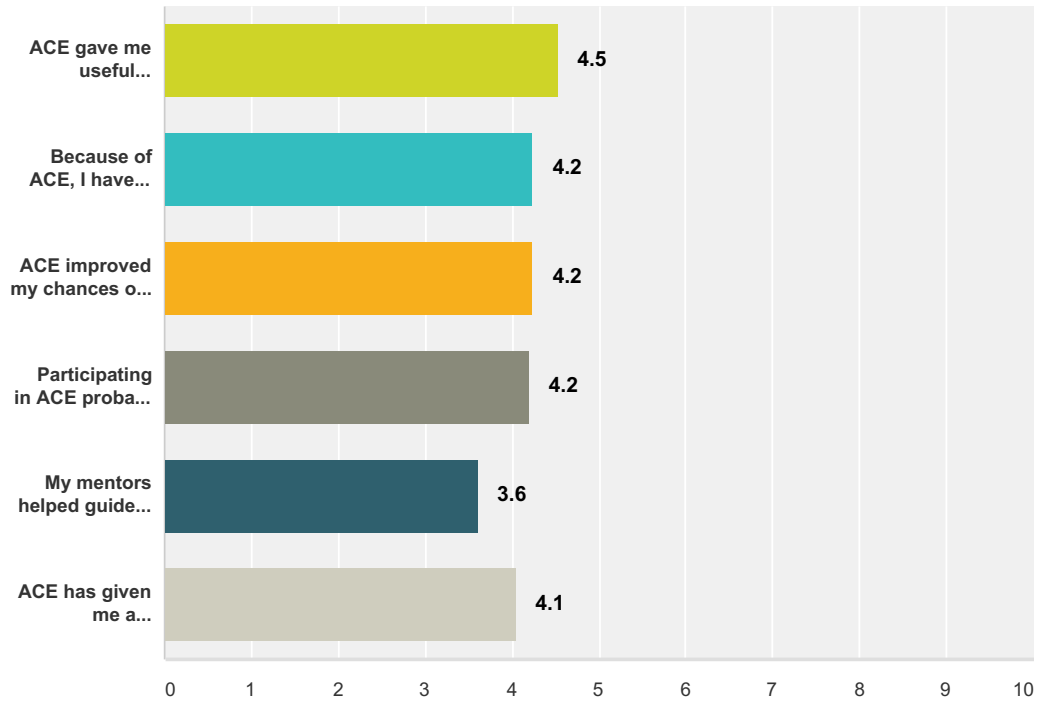


	Strongly Agree	Moderately Agree	Agree	Disagree	Strongly Disagree	No Opinion	Total	Weighted Average
I learned how the different disciplines in the design/construction industry work together to create and build a structure.	61.90% 1,386	24.03% 538	12.51% 280	0.80% 18	0.31% 7	0.45% 10	2,239	4.47
I learned life and work skills that will help me in any career (e.g., teamwork, problem solving).	56.10% 1,256	23.67% 530	17.06% 382	1.97% 44	0.31% 7	0.89% 20	2,239	4.34
I gained knowledge and skills not taught in my high school.	62.80% 1,406	19.56% 438	13.67% 306	2.41% 54	0.45% 10	1.12% 25	2,239	4.43
I have felt my studies in high school became more meaningful.	33.32% 746	26.22% 587	25.10% 562	7.24% 162	1.30% 29	6.83% 153	2,239	3.89
I have felt more motivated to study in high school.	31.89% 714	23.94% 536	23.45% 525	10.05% 225	1.74% 39	8.93% 200	2,239	3.81

Q24 To what extent to you agree or disagree with the following statements? (all statements must be answered)

Answered: 2,239 Skipped: 72

2017 ACE Mentor Program Participants (April 2017)

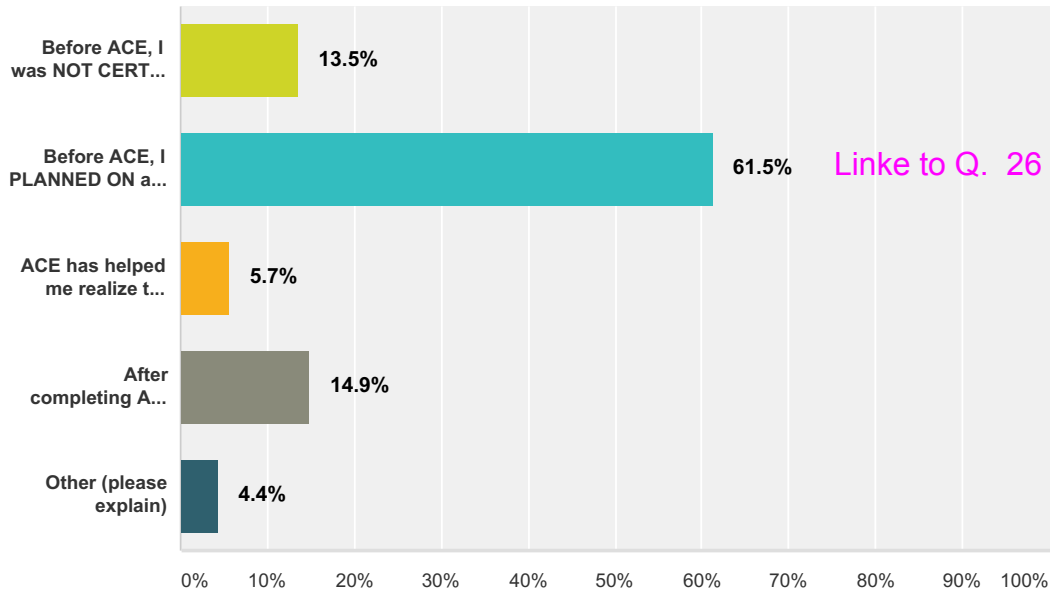


	Strongly Agree	Moderately Agree	Agree	Disagree	Strongly Disagree	No Opinion	Total	Weighted Average
ACE gave me useful information about careers in the design/construction industry.	66.59% 1,491	19.92% 446	11.84% 265	0.71% 16	0.31% 7	0.63% 14	2,239	4.53
Because of ACE, I have felt more motivated to go to college (in any field) or enter a skilled trades training program.	51.09% 1,144	21.04% 471	17.37% 389	3.84% 86	1.07% 24	5.58% 125	2,239	4.24
ACE improved my chances of being successful in college or a skilled trades training program.	49.44% 1,107	22.96% 514	19.25% 431	2.55% 57	0.63% 14	5.18% 116	2,239	4.24
Participating in ACE probably improved my chances of being admitted to college or a skilled trades training program.	47.48% 1,063	22.06% 494	20.05% 449	3.31% 74	0.76% 17	6.34% 142	2,239	4.20
My mentors helped guide and assist me in applying to college and/or deciding on the best college for me.	28.90% 647	14.65% 328	19.74% 442	14.25% 319	4.11% 92	18.36% 411	2,239	3.61
ACE has given me a professional network (i.e., my mentors) that will help me advance my career.	42.92% 961	19.65% 440	23.72% 531	5.05% 113	1.34% 30	7.32% 164	2,239	4.05

Q25 How has ACE influenced your choice of careers? (select one answer)

Answered: 2,239 Skipped: 72

2017 ACE Mentor Program Participants (April 2017)



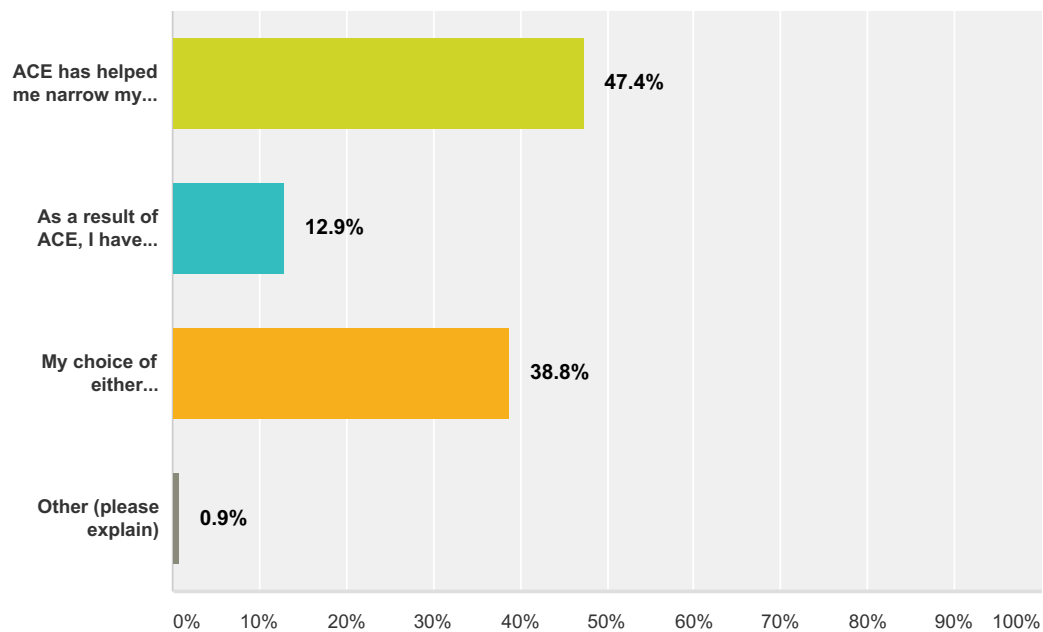
[Linke to Q. 26](#)

Answer Choices	Responses	
Before ACE, I was NOT CERTAIN about a career in architecture, engineering or construction, but now I know this is the career for me.	13.5%	303
Before ACE, I PLANNED ON a career in architecture, engineering or construction, and now I am even more convinced this is right for me.	61.5%	1,376
ACE has helped me realize that a career in architecture, engineering, or construction is NOT for me.	5.7%	128
After completing ACE, I remain undecided about the future direction of my career.	14.9%	333
Other (please explain)	4.4%	99
Total	2,239	

Q26 Please check one of the boxes below.

Answered: 1,357 Skipped: 954

[Linked to Q. 25](#)

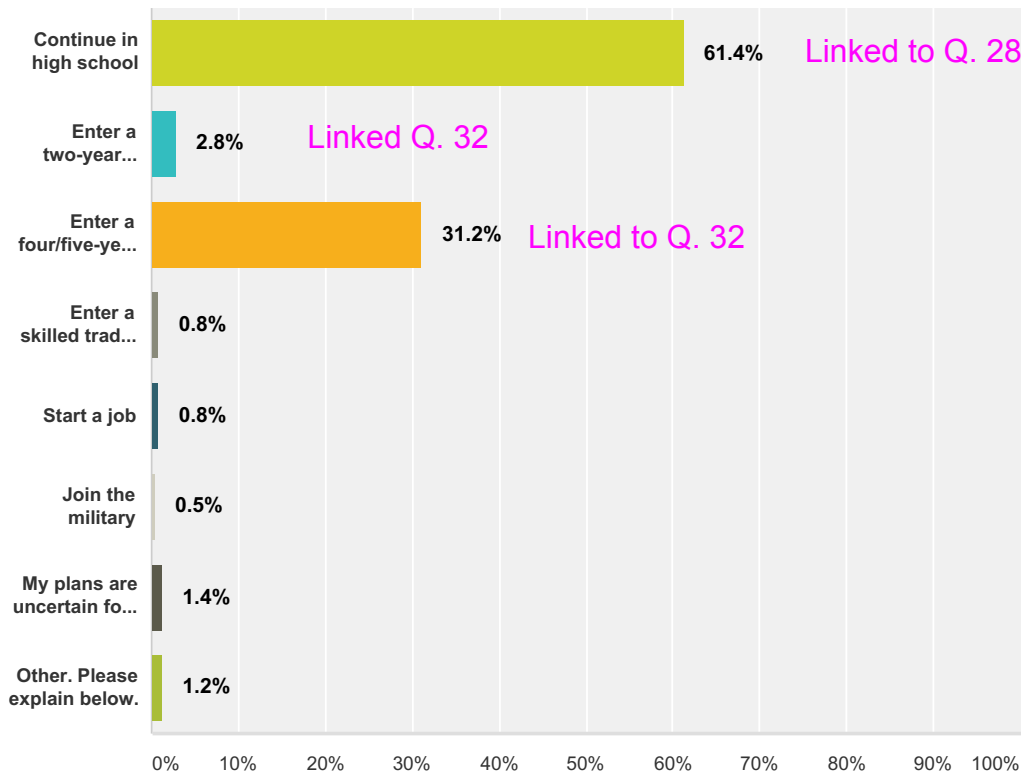


2017 ACE Mentor Program Participants (April 2017)

Answer Choices	Responses
ACE has helped me narrow my broad interest in either architecture, engineering or construction down to a specific field (e.g., mechanical or civil engineering; architecture or interior design).	47.4% 643
As a result of ACE, I have changed my mind about which broad area -- architecture, engineering, or construction -- I want to pursue. For example, I started out interested in construction but became more interested in engineering.	12.9% 175
My choice of either architecture, engineering or construction has not changed since I started ACE.	38.8% 527
Other (please explain)	0.9% 12
Total	1,357

Q27 What are your plans for this coming fall? (select only one)

Answered: 2,220 Skipped: 91



Answer Choices	Responses
Continue in high school	61.4% 1,362
Enter a two-year college	2.8% 63
Enter a four/five-year college or university program	31.2% 692
Enter a skilled trades training program	0.8% 18
Start a job	0.8% 18
Join the military	0.5% 11

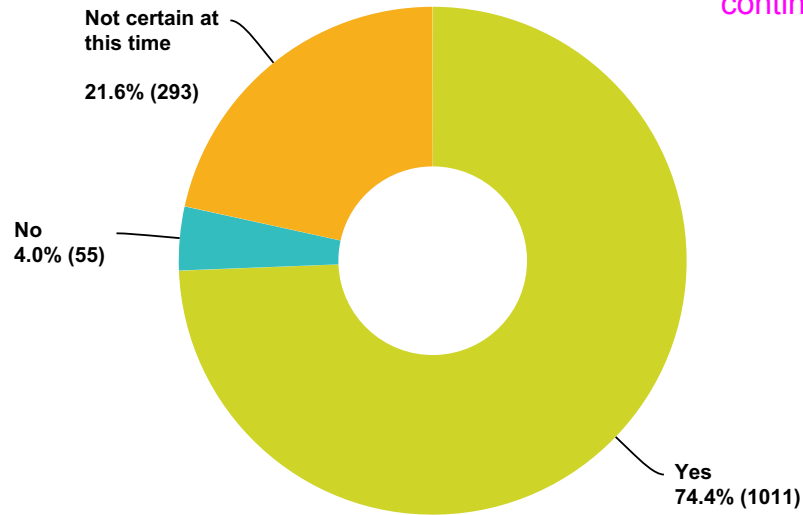
2017 ACE Mentor Program Participants (April 2017)

My plans are uncertain for now.	1.4%	30
Other. Please explain below.	1.2%	26
Total		2,220

Q28 Do you intend to continue in ACE this fall?

Answered: 1,359 Skipped: 952

Linked to Q. 27, students continuing in high school

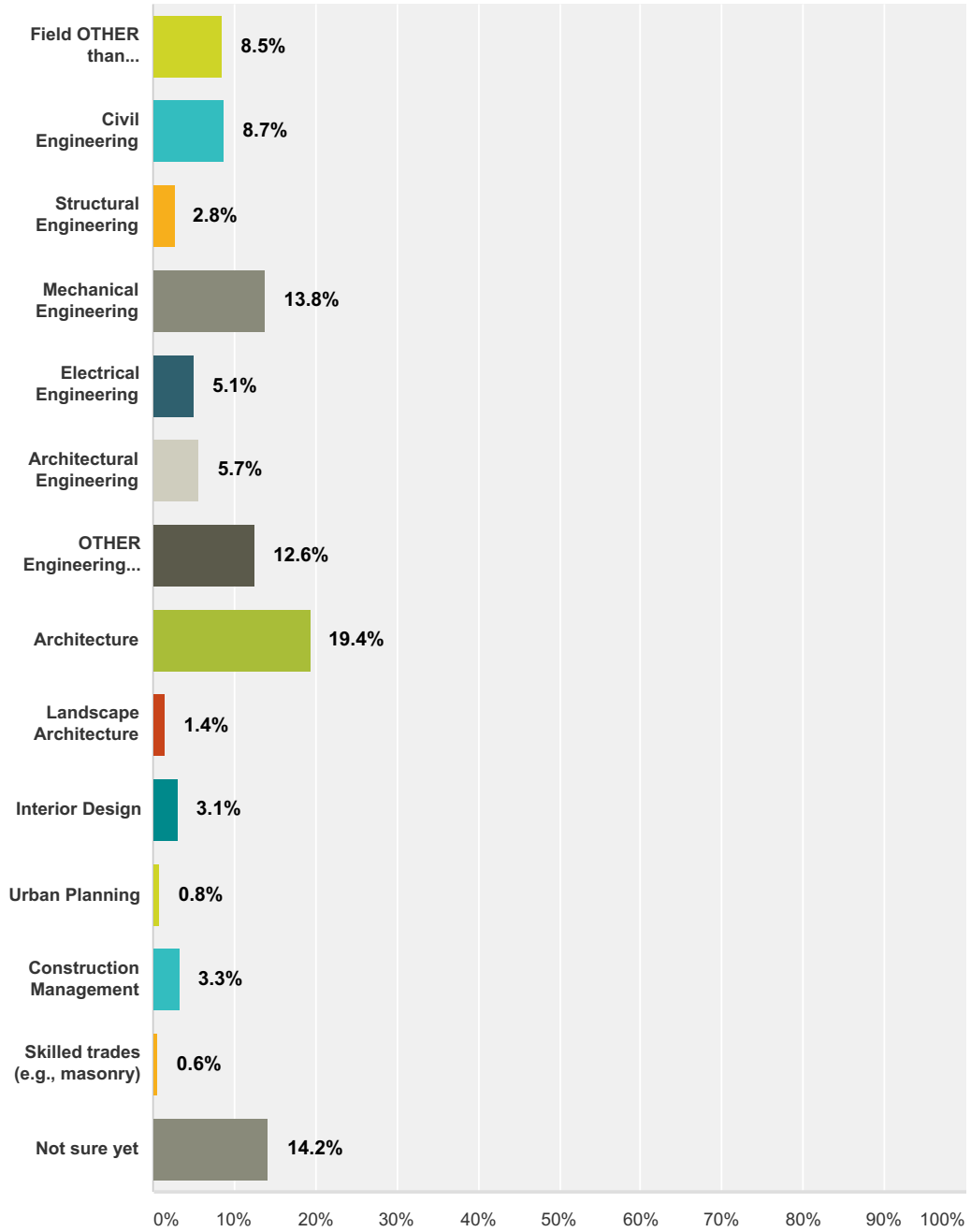


Q29 At present I am interested in a career in: (check one)

Answered: 1,358 Skipped: 953

This question asked of students continuing in high school this fall.

2017 ACE Mentor Program Participants (April 2017)



Answer Choices	Responses	
Field OTHER than architecture, engineering or construction.	8.5%	116
Civil Engineering	8.7%	118
Structural Engineering	2.8%	38
Mechanical Engineering	13.8%	187
Electrical Engineering	5.1%	69
Architectural Engineering	5.7%	77
OTHER Engineering (e.g., chemical)	12.6%	171
Architecture	19.4%	264

2017 ACE Mentor Program Participants (April 2017)

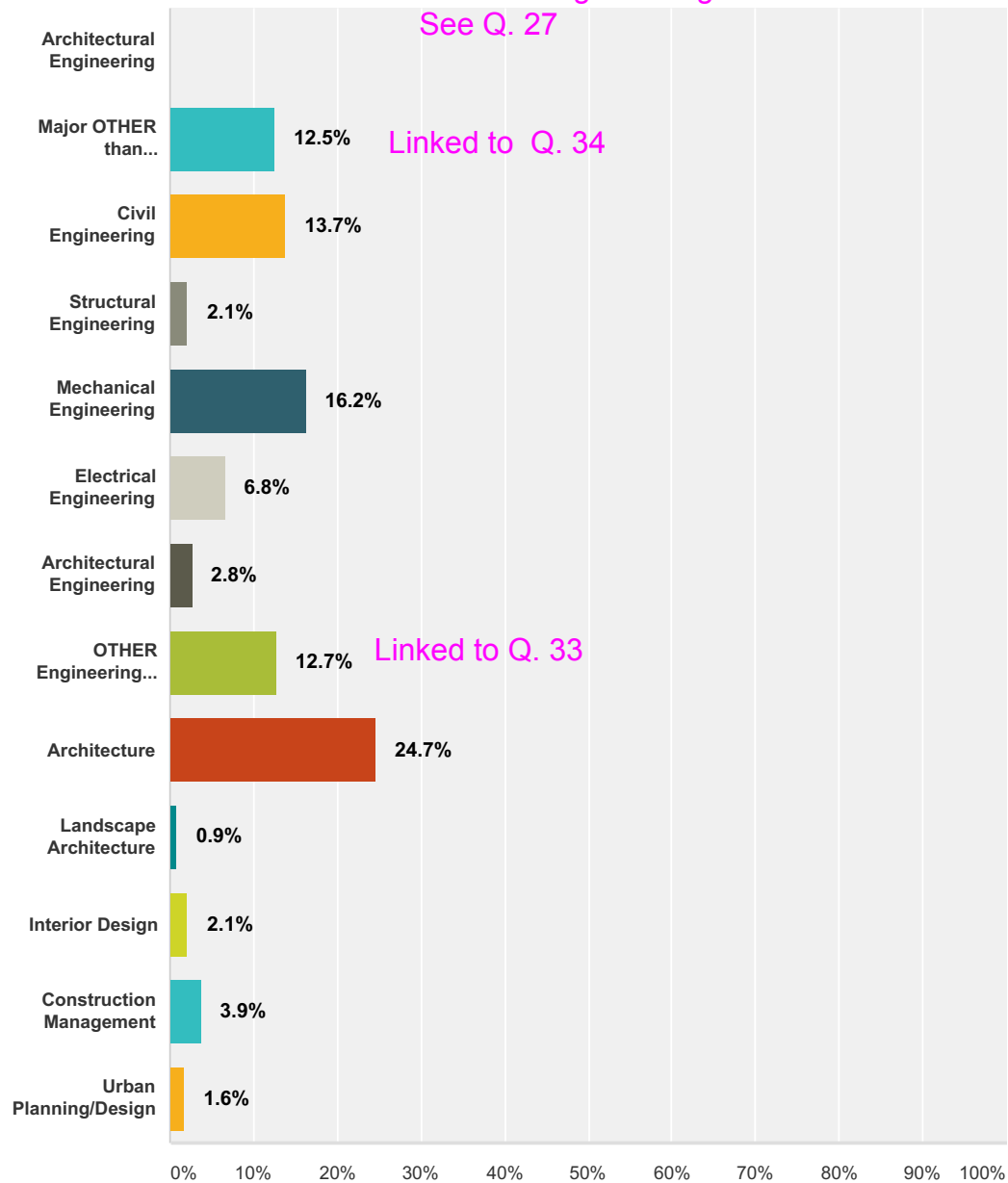
Landscape Architecture	1.4%	19
Interior Design	3.1%	42
Urban Planning	0.8%	11
Construction Management	3.3%	45
Skilled trades (e.g., masonry)	0.6%	8
Not sure yet	14.2%	193
Total		1,358

Q32 In which field do you expect to major?

Answered: 753 Skipped: 1,558

Students heading to college in the fall answered this.

See Q. 27



Answer Choices	Responses
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2017 ACE Mentor Program Participants (April 2017)

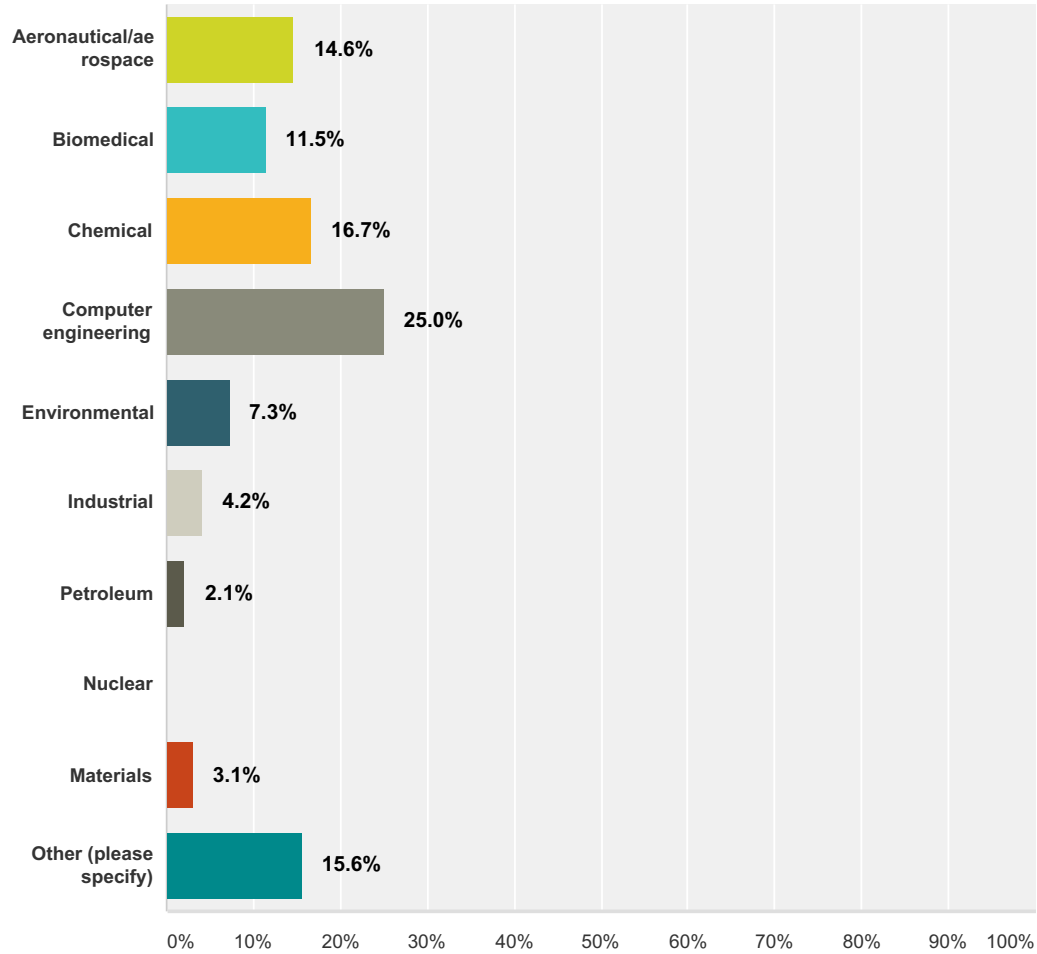
Architectural Engineering	0.0%	0
Major OTHER than architecture, engineering or construction.	12.5%	94
Civil Engineering	13.7%	103
Structural Engineering	2.1%	16
Mechanical Engineering	16.2%	122
Electrical Engineering	6.8%	51
Architectural Engineering	2.8%	21
OTHER Engineering (e.g., chemical, biomedical)	12.7%	96
Architecture	24.7%	186
Landscape Architecture	0.9%	7
Interior Design	2.1%	16
Construction Management	3.9%	29
Urban Planning/Design	1.6%	12
Total		753

Q33 Which engineering field?

Answered: 96 Skipped: 2,215

Linked to Q. 32, students majoring in engineering fields other than A-E-C

2017 ACE Mentor Program Participants (April 2017)

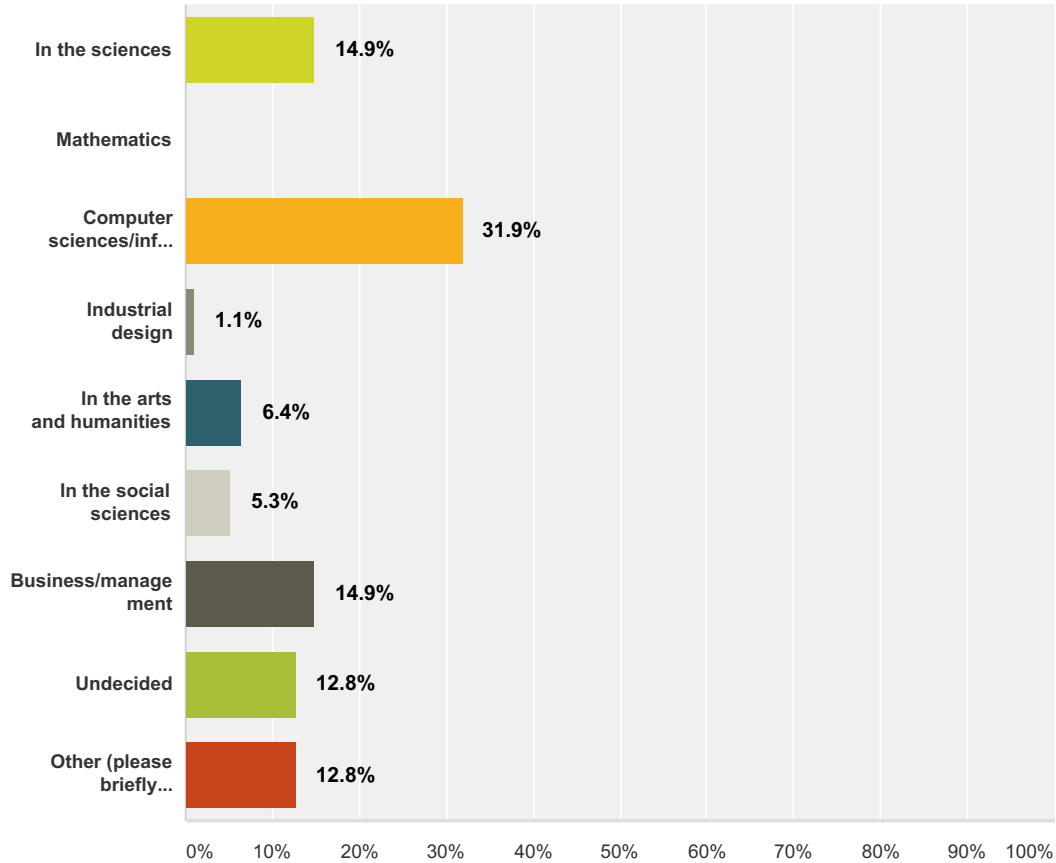


Answer Choices	Responses	
Aeronautical/aerospace	14.6%	14
Biomedical	11.5%	11
Chemical	16.7%	16
Computer engineering	25.0%	24
Environmental	7.3%	7
Industrial	4.2%	4
Petroleum	2.1%	2
Nuclear	0.0%	0
Materials	3.1%	3
Other (please specify)	15.6%	15
Total		96

Q34 What is your intended major?

Answered: 94 Skipped: 2,217

2017 ACE Mentor Program Participants (April 2017)

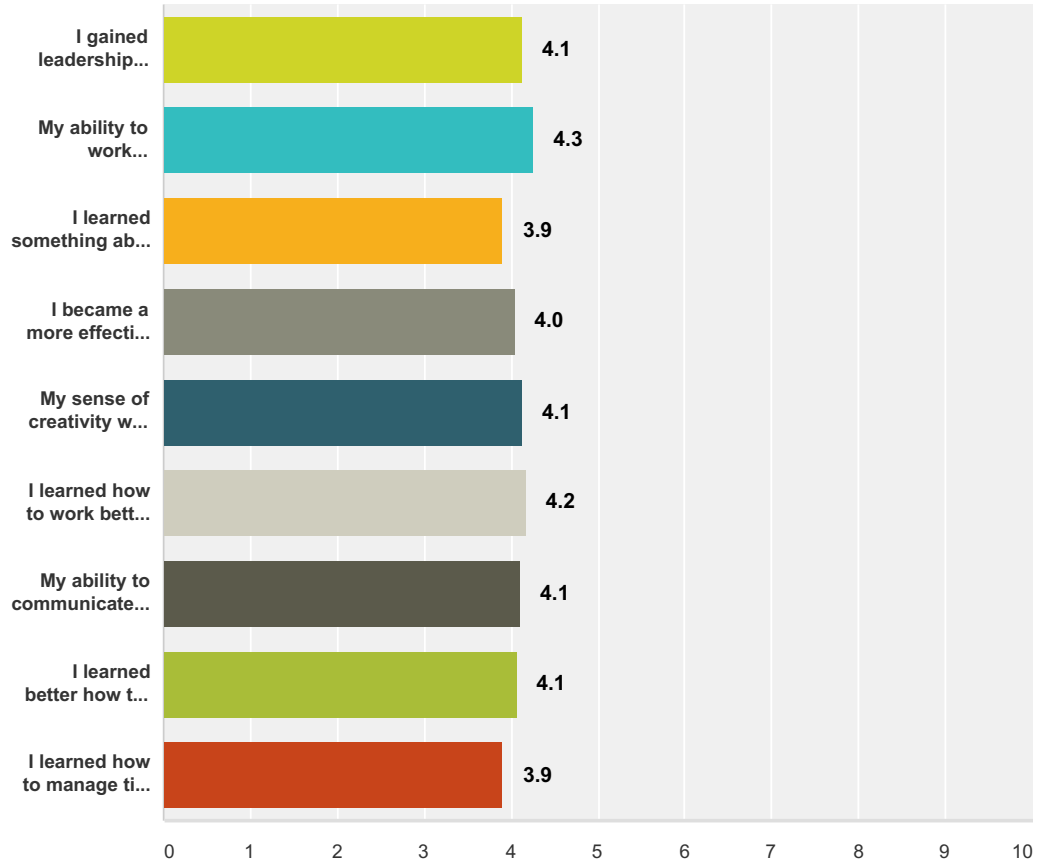


Answer Choices	Responses	
In the sciences	14.9%	14
Mathematics	0.0%	0
Computer sciences/information technology	31.9%	30
Industrial design	1.1%	1
In the arts and humanities	6.4%	6
In the social sciences	5.3%	5
Business/management	14.9%	14
Undecided	12.8%	12
Other (please briefly explain)	12.8%	12
Total		94

Q35 To what extent do you agree or disagree with the following statements about your participation in ACE? (please respond to all parts)

Answered: 2,191 Skipped: 120

2017 ACE Mentor Program Participants (April 2017)

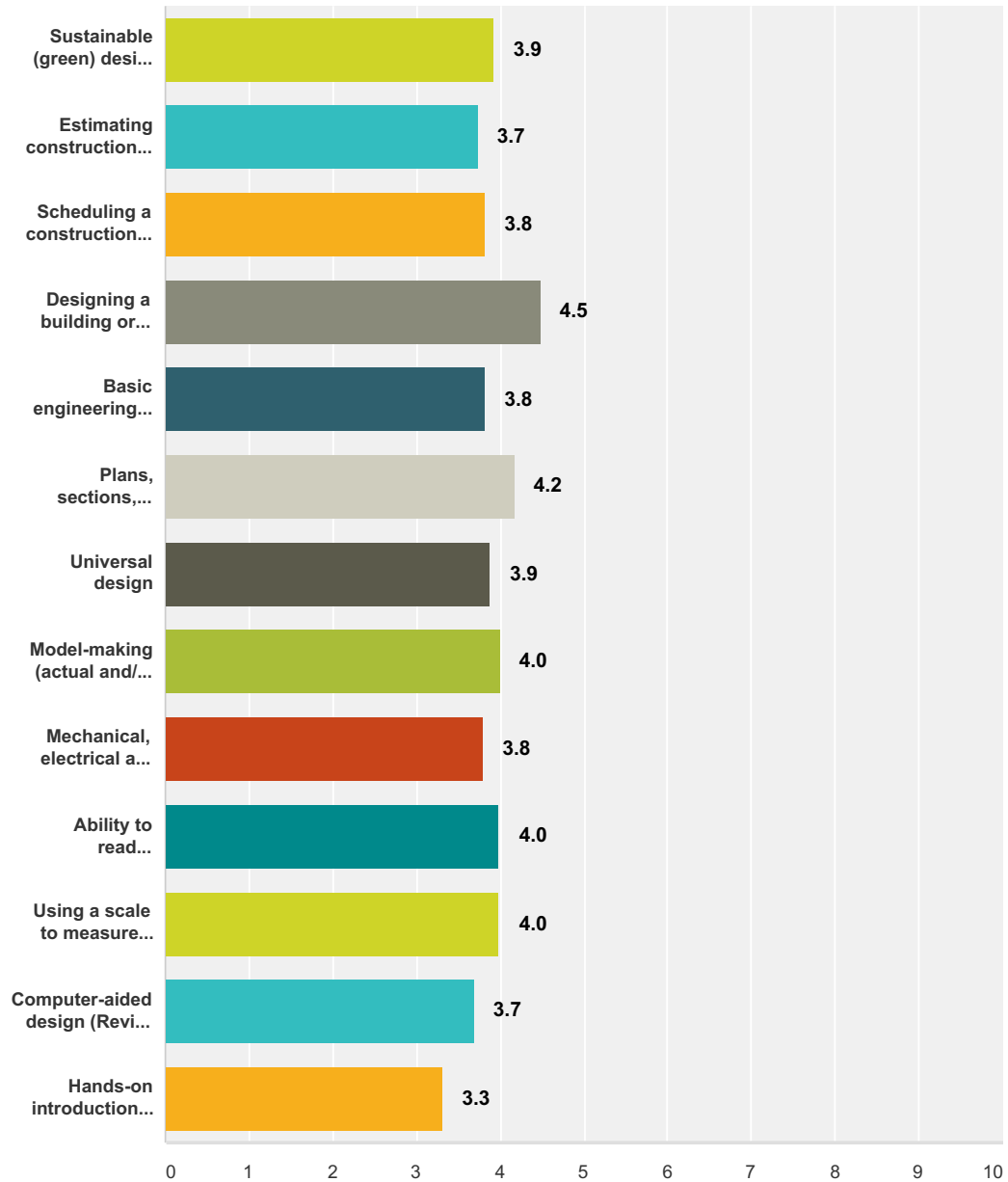


	Strongly Agree	Moderately Agree	Agree	Disagree	Strongly Disagree	No Opinion	Total	Weighted Average
I gained leadership experience and skills.	44.18% 968	27.11% 594	21.91% 480	3.65% 80	0.78% 17	2.37% 52	2,191	4.13
My ability to work collaboratively as part of a team improved.	49.98% 1,095	26.61% 583	18.21% 399	2.24% 49	0.50% 11	2.46% 54	2,191	4.26
I learned something about how to negotiate.	35.05% 768	25.60% 561	25.56% 560	7.71% 169	1.10% 24	4.97% 109	2,191	3.90
I became a more effective problem-solver.	38.02% 833	28.30% 620	25.29% 554	3.70% 81	0.50% 11	4.20% 92	2,191	4.04
My sense of creativity was strengthened.	44.50% 975	25.92% 568	21.27% 466	3.79% 83	0.68% 15	3.83% 84	2,191	4.14
I learned how to work better with people whose backgrounds and ideas are different from mine.	45.60% 999	24.92% 546	22.68% 497	2.74% 60	0.50% 11	3.56% 78	2,191	4.17
My ability to communicate orally in small groups and before large audiences improved.	43.22% 947	25.24% 553	22.18% 486	3.88% 85	0.73% 16	4.75% 104	2,191	4.12
I learned better how to communicate graphically (using, for example, sketches, diagrams, renderings).	41.99% 920	25.56% 560	23.09% 506	4.56% 100	0.78% 17	4.02% 88	2,191	4.08
I learned how to manage time more effectively (e.g., meet deadlines, make and follow work plan).	35.10% 769	24.33% 533	26.20% 574	7.03% 154	1.23% 27	6.12% 134	2,191	3.91

Q36 Participation in ACE taught me about... (answer all parts)

Answered: 2,176 Skipped: 135

2017 ACE Mentor Program Participants (April 2017)



	A Lot	Fair Amount	A Little Bit	Hardly at all	Not at all	No Opinion	Total	Weighted Average
Sustainable (green) design and construction	30.12% 654	39.24% 852	22.34% 485	4.38% 95	2.16% 47	1.75% 38	2,171	3.92
Estimating construction costs	28.45% 617	32.18% 698	24.76% 537	8.11% 176	4.56% 99	1.94% 42	2,169	3.73
Scheduling a construction project	32.18% 691	32.88% 706	21.52% 462	6.85% 147	4.52% 97	2.05% 44	2,147	3.83
Designing a building or structure	59.94% 1,297	29.39% 636	7.67% 166	1.34% 29	0.79% 17	0.88% 19	2,164	4.48
Basic engineering principles (e.g., tension and compression, loads)	33.59% 728	31.33% 679	20.77% 450	7.52% 163	5.12% 111	1.66% 36	2,167	3.82
Plans, sections, elevations, and perspectives	44.36% 963	34.09% 740	15.43% 335	3.22% 70	1.61% 35	1.29% 28	2,171	4.18

2017 ACE Mentor Program Participants (April 2017)

Universal design	33.03% 717	33.03% 717	19.30% 419	5.67% 123	4.24% 92	4.74% 103	2,171	3.89
Model-making (actual and/or virtual)	40.99% 887	29.99% 649	17.88% 387	5.64% 122	3.88% 84	1.62% 35	2,164	4.00
Mechanical, electrical and plumbing infrastructure of a building	31.14% 676	33.76% 733	21.83% 474	6.68% 145	4.93% 107	1.66% 36	2,171	3.81
Ability to read drawings/blueprints	37.08% 804	33.53% 727	19.19% 416	5.72% 124	2.91% 63	1.57% 34	2,168	3.98
Using a scale to measure dimensions from a drawing and to draw objects to scale	39.84% 863	30.01% 650	18.37% 398	6.37% 138	3.28% 71	2.12% 46	2,166	3.99
Computer-aided design (Revit, Google Sketchup, AutoCAD, etc.)	35.48% 771	24.99% 543	19.42% 422	7.09% 154	10.40% 226	2.62% 57	2,173	3.70
Hands-on introduction to one or more of the skilled trades (e.g., bricklaying, carpentry)	25.92% 564	22.79% 496	18.66% 406	11.95% 260	16.18% 352	4.50% 98	2,176	3.32