

2018

Studying Underlying Characteristics of Computing and Engineering Student Success (SUCCESS) Survey

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SUCCESS

Studying Underlying Characteristics of Computing and Engineering Student Success

Information about this survey

We are interested in your attitudes, mindsets, beliefs, and belongingness in engineering and computing majors. Please select the best choice for each item and answer as many questions as possible. There are no right or wrong answers; just do your best.

Instructions

- You must be 18 years or older to participate.
- The survey will take approximately 25 minutes to complete.
- Completion of this survey will NOT affect your grade in any course in any way.
- We will ask for contact information (email) to enter your name in a raffle (details on back of this sheet) for an Amazon gift card as a thank you for completing this survey. This information is voluntary and will not be shared with any third party.
- If you have questions or concerns, please contact Professor Ed Berger (success-project@purdue.edu).
- You can contact the Purdue University Human Research Protection Program at (765) 494-5942 if you have any questions regarding your rights as a participant.

In this survey, you should interpret statements like "I feel comfortable in engineering" to be inclusive of all engineering and computing majors.

Contact:
Ed Berger, Ph.D., Purdue University
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What is the purpose of this study?

Purdue, Cal Poly, and UTEP are collaborating to understand how non-cognitive and affective factors (defined as personality and other innate characteristics and behaviors) impact academic performance of undergraduate engineering students. Understanding this is important, as it will allow the community of educators to better understand the mechanisms of success and failure among their students.

What will I do if I choose to be in this study?

You will be asked to complete a short survey by someone at your institution, no longer than 25 minutes, in which we ask you questions that probe your learning preferences, background information, study habits in different contexts, attitudes, behaviors, personality, and activities during the school year. The survey will be completed on paper.

How long will I be in the study?

Your participation in the study includes completing this survey.

What are the possible risks or discomforts?

The risks of this study are minimal and no greater than any risks you would encounter in daily life. Breach of confidentiality is a risk associated in participating in this study. Safeguards are in place to protect your information. All information will be de-identified prior to sharing across institutions.

Are there any potential benefits?

There are no direct benefits to participating in this study. You may enjoy reflecting about your attitudes about your college experience.

Will I receive payment or other incentive?

All participants who fully complete the survey before the survey closure date will automatically be entered into a drawing to receive one of three \$50 Amazon gift cards at each school. This random drawing will take place promptly after the closure date of the survey, and winners will be notified by email with instructions of how to claim their payment. The odds of winning depends upon how many people complete the survey, but we estimate the odds to be no greater than 2.5%.

Are there costs to me for participation?

There are no costs to you for participating in this study.

Will information about me and my participation be kept confidential?

All digital data files will be stored on the Purdue Data Depot, a digital repository with a level of security appropriate for storage of personal information such as that collected in this study. Only the PI and co-investigators named on this protocol will have access to the data files in de-identified form. Research results will be presented in aggregate form, and all data analysis will be performed on the de-identified dataset. The project's research records may be reviewed by the National Science Foundation and all collaborating institutions' oversight regulatory boards.

What are my rights if I take part in this study?

Your participation in this study is voluntary. You may choose not to participate. Because the data is collected anonymously, after you complete the survey there is no way to remove your data from the data set.

Documentation of Informed Consent

I have had the opportunity to read this consent form and have the research study explained. I have had the opportunity to ask questions about the research study, and my questions (if any) have been answered. By completing the survey, I am expressing my consent to participate in this study. If I desire, I will print a copy of this information form for my records.



Q1. Please choose your current major or the major that you are most likely to choose in the list below. These options may be dependent on your institutional context. Choose the option that BEST describes your major.

- | | |
|--|---|
| <input type="radio"/> Aero/Astronautical Engineering | <input type="radio"/> Environmental / Ecological Engineering |
| <input type="radio"/> Agricultural and Biological / Biosystems Engineering | <input type="radio"/> Industrial Engineering |
| <input type="radio"/> Architectural Engineering | <input type="radio"/> Information Technology |
| <input type="radio"/> Bioengineering / Biomedical Engineering | <input type="radio"/> Manufacturing Engineering |
| <input type="radio"/> Chemical Engineering | <input type="radio"/> Materials Engineering / Material Science and Engineering |
| <input type="radio"/> Civil Engineering | <input type="radio"/> Mechanical Engineering |
| <input type="radio"/> Computer Engineering | <input type="radio"/> Multidisciplinary / Interdisciplinary / General Engineering |
| <input type="radio"/> Computer Science | <input type="radio"/> Nuclear Engineering |
| <input type="radio"/> Construction Management Engineering | <input type="radio"/> Other STEM-related Degree |
| <input type="radio"/> Electrical Engineering | <input type="radio"/> Other non-STEM-related Degree |
| <input type="radio"/> Engineering Physics | <input type="radio"/> Software Engineering |

Q2. What year are you in college?

- 1st Year 2nd Year
 3rd Year 4th Year or Higher

Q3. Are you a transfer student?

- Yes No

Q4. How accurately do the following describe you now?

	Very inaccurately					Very accurately	
	1	2	3	4	5	6	7
a. Often forget to put things back in their proper places	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Have a kind heart	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Make a mess of things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Am quiet around strangers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Keep in the background	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Sympathize with others' feelings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Leave my belongings around	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Feel others' emotions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. Don't talk a lot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j. Have frequent mood swings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k. Have excellent ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
l. Have a vivid imagination	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
m. Change my mood a lot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
n. Am full of ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
o. Get upset easily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q5. To what extent do you agree or disagree with the following statements:

	Strongly disagree					Strongly agree	
	1	2	3	4	5	6	7
a. I feel comfortable asking a faculty member for help with a personal problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Faculty connect relevant topics to my major	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. I feel that a faculty member would be sensitive to my difficulties if I shared them	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. I see faculty members as role models	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. I feel comfortable socializing with a faculty member outside of class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. I feel comfortable asking a faculty member for help if I do not understand course-related material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. I feel comfortable seeking help from a faculty member before or after class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. I feel comfortable talking about a problem with faculty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. I feel that a faculty member would take the time to talk to me if I needed help	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j. If I had a reason, I would feel comfortable seeking help from a faculty member outside of class time (i.e., during office hours, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k. I know faculty who are like me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
l. I feel that a faculty member would be sympathetic if I was upset	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
m. I feel that a faculty member really tried to understand my problem when I talked about it	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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	Strongly disagree					Strongly agree	
	1	2	3	4	5	6	7
Q6. To what extent do you agree or disagree with the following statements:							
a. I do certain things that are bad for me, if they are fun	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Pleasure and fun sometimes keep me from getting work done	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Sometimes I can't stop myself from doing something, even if I know it is wrong	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. I often act without thinking through all the alternatives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. I am good at resisting temptation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. I have a hard time breaking bad habits	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. I wish I had more self-discipline	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. People would say that I have very strong self-discipline	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Not at all					Very much so	
	1	2	3	4	5	6	7
Q7. As a student:							
a. I have experienced frustrations due to delays in reaching my goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. I have experienced daily hassles which affected me in reaching my goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. I have experienced lack of resources (money for auto, books, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. I have experienced failures in accomplishing the goals that I set	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. I have not been accepted socially (became a social outcast)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. I have experienced dating frustrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. I feel I was denied opportunities in spite of my qualifications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Not at all					Very much so	
	1	2	3	4	5	6	7
Q8. I have experienced conflicts which were:							
a. Produced by two or more positive options	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Produced by two or more negative options	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Produced when a goal had both positive and negative options	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Not at all					Very much so	
	1	2	3	4	5	6	7
Q9. I have experienced pressures:							
a. As a result of competition (on grades, work, relationships with spouse and/or friends)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Due to deadlines (papers due, payments to be made, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Due to an overload (attempting too many things at one time)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Due to interpersonal relationships (family and/or friends, expectations, work responsibilities)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Not at all					Very much so	
	1	2	3	4	5	6	7
Q10. I have experienced:							
a. Rapid unpleasant changes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Too many changes occurring at the same time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Change which disrupted my life and/or goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Not at all					Very much so	
	1	2	3	4	5	6	7
Q11. As a person:							
a. I like to compete and win	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. I like to be noticed and be loved by all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. I worry a lot about everything and everybody	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. I have a tendency to procrastinate (put off things that have to be done)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. I feel I must find a perfect solution to the problems I undertake	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. I worry and get anxious about taking tests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q12. With reference to stressful situations, I have:

	Not at all					Very much so		
	1	2	3	4	5	6	7	
a. Experienced physical reactions (sweating, biting fingernails, headaches, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	63
b. Experienced fear, anxiety, worry, frustration, etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	62
c. Cried, was irritable towards others, separated myself from others, indulged excessively, etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	61
d. Thought about and analyzed how stressful the situations were	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	60
e. Thought and analyzed whether the strategies I used were most effective	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	59
f. Engaged in personal support (exercised, meditated, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	58
g. Sought family support (talked to parents, siblings, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	57
h. Sought peer support (talked to friends, classmates, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	56
i. Sought institutional support (attended support groups, visited counseling services, talked with an advisor, visited Dean of Students, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	55

Q13. Indicate how frequently or infrequently you currently have each experience. Please answer according to what really reflects your experience rather than what you think your experience should be. Please treat each item separately from every other item.

	Almost never					Almost always		
	1	2	3	4	5	6	7	
a. It seems that I am "running on automatic," without much awareness of what I'm doing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	43
b. I rush through activities without being really attentive to them	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	42
c. I do jobs or tasks automatically, without being aware of what I'm doing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	41
d. I find myself doing things without paying attention	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	40

Q14. How important are the following factors for your future career satisfaction?

	Not at all					Very much so		
	1	2	3	4	5	6	7	
a. Making money	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	34
b. Becoming well known	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	33
c. Helping others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	32
d. Supervising others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	31
e. Working with people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	30
f. Inventing / designing things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	29
g. Developing new knowledge and skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	28

Q15. Please rate the likelihood of you choosing a career in each of the following fields.

	Not at all likely					Extremely likely		
	1	2	3	4	5	6	7	
a. Academia (higher education)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	21
b. Engineering/Computer Science (industry)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	20
c. Entrepreneurship / Start a company	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	19
d. Government / Policy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	18
e. K-12 Education	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	17
f. Law	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	16
g. Medicine / Health	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	15
h. Non-profit / NGO	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	14
i. Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	13

PLEASE DO NOT WRITE IN THIS AREA



[SERIAL]



		Strongly disagree					Strongly agree	
		1	2	3	4	5	6	7
63	Q16. Please respond to each of the following statements to the best of your ability.							
62								
61								
60	a. New ideas and projects sometimes distract me from previous ones	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
59	b. Setbacks don't discourage me. I don't give up easily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
58	c. I have been obsessed with a certain idea or project for a short time but later	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
57	lost interest							
56	d. I am a hard worker	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
55	e. I often set a goal but later choose to pursue a different one	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
54	f. I have difficulty maintaining my focus on projects that take more than a few	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
53	months to complete							
52	g. I finish whatever I begin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
51	h. I am diligent; I never give up	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
50								
49								

		Not at all true of me					Very true of me	
		1	2	3	4	5	6	7
47	Q17. Please respond to the following items to the best of your ability.							
46								
45	a. When I take a test I think about how poorly I am doing compared to other students	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
44	b. When I take a test I think about items on other parts of the test I can't answer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
43	c. When I take tests I think of the consequences of failing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
42	d. I feel my heart beating fast when I take an exam	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
41	e. I have an uneasy, upset feeling when I take an exam	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
40								
39								

		Not at all true of me					Very true of me	
		1	2	3	4	5	6	7
36	Q18. Please respond to the following items to the best of your ability.							
35								
34	a. I rarely find time to review my notes or readings before exams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
33	b. I usually study in a place where I can concentrate on my course work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
32	c. I make good use of my study time for my courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
31	d. I make sure I keep up with the weekly readings and assignments for my courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
30	e. I find it hard to stick to a study schedule	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
29	f. I often find that I don't spend very much time on my courses because of other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
28	activities							
27	g. I attend class regularly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
26	h. I have a regular place set aside for studying	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
25								
24								
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- 21 **Q19. How are you funding your education (select all that apply)?**
- 20
- 19 Help from parents Working (part time or full time)
- 18 Private student loans Other (Please describe) _____
- 17 Federal student loans Prefer not to answer
- 16 Scholarships and/or grants
- 15
- 14
- 13

		Strongly disagree					Strongly agree	
		1	2	3	4	5	6	7
12	Q20. Please answer the following with the answer that best describes you.							
11								
10	a. I feel thankful for the opportunity to learn so many new things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9	b. I appreciate the things I have learned in my college classes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	c. I am grateful to the professors and other students who have helped me in class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	d. I am so thankful that I'm getting a college education	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	e. I am grateful for the people who have helped me succeed in college	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	f. If I had to list everything I felt grateful for about my academic experience at my	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	university, it would be a very long list							
3								
2								
1								

63 Q25. The following questions relate to your attitudes and beliefs about your experiences in engineering classes and in your engineering major. Please rate your agreement for each item.		Strongly disagree							Strongly agree						
		1		2		3		4		5		6		7	
		1	2	3	4	5	6	7							
59	a.	I will use the information I learn in my engineering classes in other classes I will take in the future													
58															
57	b.	I am confident about my choice of major													
56	c.	Engineering is the most rewarding future career I can imagine for myself													
55	d.	My interest in an engineering major outweighs any disadvantages I can think of													
54	e.	I want to be an engineer													
53	f.	I will use the information I learn in engineering classes in the future													
52	g.	What I learn in my engineering classes will be important for my future occupational success													
51															
50	h.	I do not connect my future career to what I am learning in my engineering classes													
49	i.	My future career determines what is important in my engineering classes													
48	j.	I expect to do well in my engineering classes													
47	k.	I am certain I can master the skills being taught in my engineering classes													
46	l.	I believe I will receive an excellent grade in my engineering classes													
45	m.	I am confident I can do an excellent job on the assignments in my engineering classes													
44															
43	n.	Considering the difficulty of my engineering classes, the teacher, and my skills, I think I will do well in my engineering classes													
42															
41	o.	It is better to be considered a success at the end of one's life than to be considered a success today													
40															
39	p.	The most important thing in life is how one feels in the long run													
38	q.	It is more important to save for the future than to buy what one wants today													
37	r.	Long range goals are more important than short range goals													
36	s.	What happens in the long run is more important than how one feels right now													
35	t.	I don't think much about the future													
34	u.	I don't like to plan for the future													
33	v.	It's not really important to have future goals for where one wants to be in five to ten years													
32															
31	w.	One shouldn't think too much about the future													
30	x.	Planning for the future is a waste of time													
29															

26 Q26. To what extent do you agree or disagree with the following statements:		Strongly disagree							Strongly agree						
		1		2		3		4		5		6		7	
		1	2	3	4	5	6	7							
24	a.	I see myself as a physics person													
23	b.	I see myself as a math person													
22	c.	I feel like an engineer now													
21	d.	I will feel like an engineer in the future													
20	e.	I see myself as an engineer													
19	f.	My parents see me as an engineer													
18	g.	My instructors see me as an engineer													
17	h.	My peers see me as an engineer													
16	i.	I have had experiences in which I was recognized as an engineer													
15	j.	I am interested in learning more about engineering													
14	k.	I enjoy learning engineering													
13	l.	I find fulfillment in doing engineering													
12	m.	I am confident that I can understand engineering in class													
11	n.	If you are reading this statement, fill in option two													
10	o.	I am confident that I can understand engineering outside of class													
9	p.	I can do well on exams in engineering													
8	q.	I understand concepts I have studied in engineering													
7	r.	Others ask me for help in engineering													
6	s.	I can overcome setbacks in engineering													
5															

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Q35. Military status. (Fill in all that apply)

- Not a veteran
- Active duty
- Reservist
- ROTC
- National Guard
- Newly/Recently separated veteran (within the last 3 years)
- Veteran (other) _____

Q36. How do you describe your gender identity? (Fill in all that apply)

- Female
- Cisgender
- Male
- Transgender
- Agender
- Genderqueer
- I prefer to identify as _____

Q37. How do you describe your sexual identity? (Fill in all that apply)

- Heterosexual/ straight
- Homosexual/ gay/ lesbian
- Bisexual
- Asexual
- I prefer to identify as _____

Q38. How do you describe your disability / ability status? We are interested in this identification regardless of whether you typically request accomodations for this disability. (Fill in all that apply)

- A sensory impairment (vision or hearing)
- A learning disability (e.g., ADHD, dyslexia)
- A mental health disorder
- A temporary impairment due to illness or injury (e.g., broken ankle, surgery)
- A long-term medical illness (e.g., epilepsy, cystic fibrosis)
- A mobility impairment
- I do not identify with a disability or impairment
- A disability or impairment not listed _____

**Q39. How would your parent(s)/ guardian(s) describe their gender identities? (Fill in all that apply)
Parent/Guardian #1**

- Female
- Cisgender
- Male
- Transgender
- Agender
- Genderqueer
- They prefer to identify as _____

**Q40. How would your parent(s)/ guardian(s) describe their gender identities? (Fill in all that apply)
Parent/Guardian #2**

- Female
- Cisgender
- Male
- Transgender
- Agender
- Genderqueer
- They prefer to identify as _____

Q41. What was the highest level of education for your parents/guardians?

	Parent/Guardian #1	Parent/Guardian #2
Less than high school diploma	<input type="radio"/>	<input type="radio"/>
High school diploma/GED	<input type="radio"/>	<input type="radio"/>
Some college or associate/trade degree	<input type="radio"/>	<input type="radio"/>
Bachelor's degree	<input type="radio"/>	<input type="radio"/>
Master's degree or higher	<input type="radio"/>	<input type="radio"/>
Don't know	<input type="radio"/>	<input type="radio"/>



Q42. Would you describe the occupation of any of your family members as any of the following professions? (Fill in all that apply)

	Engineering	Computer Science	Other STEM	Non-STEM
Parent/Guardian #1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parent/Guardian #2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Siblings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Relative(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q43. What category best fits you and your parent(s)' or guardian(s)' background? You can choose not to answer and skip to the next question.

	Born in the United States	Not born in the United States
Parent/Guardian #1	<input type="radio"/>	<input type="radio"/>
Parent/Guardian #2	<input type="radio"/>	<input type="radio"/>
Me	<input type="radio"/>	<input type="radio"/>

Q44. If you are interested in being entered into a raffle for a \$50 Amazon gift card, please provide your email below.

Your email address:

<input type="text"/>

**You have reached the end of the survey.
Thank you for your time.
The insights you have provided here will help the community
of engineering and computing educators support their
students' success!**





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PLEASE DO NOT WRITE IN THIS AREA



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