

## Students Leaving Engineering Survey

Name:			<del></del>
(	Plea	se <b>PRINT</b> your first and last name.)	
Student I	Num	ber:	
Email Ad	dres	s:	
School: _			e.g. Penn State)
Gender:			
		Male	
		Female	
Ethnicity	/ Cit	tizenship: (Check a maximum of two)	
		Black/African American	
		American Indian/Alaskan Native	
		Asian & Pacific American	
		Latina/Latino/Hispanic American	
		White American	
		Foreign National on student visa	
		Foreign National/U.S. Resident (green card)	
		Other:	
As of tod	ay, I	am a: (Choose one)	
		First-year Student	
		Second-year Student	
		Third-year Student	
		Fourth-year Student	
		Fifth-vear Student and above	

Prin	nt Student Number:							
То	oday's date							
1. 	Where were you immediately before your for High school □ 2-year colled 4-year college □ Military Working a full-time job  1a. If you checked 2-year college or 4-year	ege	mester/term at this institution? (Check one).  Vocational /technical school Other:  ge, tell us the name of institution:					
2.	2. What was your cumulative college GPA at the end of the most recent academic semester/term?  Cumulative GPA:on a system where the maximum GPA is							
3.	When did you first enroll in our college/sch	ool of	engineering (month / year)?/					
4.	What was your intended or actual enginee  Pre Engineering Aerospace Agricultural Architectural Bioengineering Chemical Civil Computer Engineering Computer Science Electrical	ring m	Engineering Science Environmental General Engineering Industrial Materials Mechanical Nuclear Petroleum Undecided					
5.	When did you transfer out of the college/so	chool o	of engineering (month / year)?/					
6. □	Why did you initially decide to major in en Attracted by the challenge of a difficult curriculum		Parents, other relatives or friend is an engineer					
	Good at math or science		Parents, siblings or other relatives recommended it					
	High school adviser or teacher recommended it		Received or anticipated possibility of good college scholarship					
	Like to solve problems		Wanted to be able to get a well-paying job after I graduate					
	Like the design work that engineers do Participated in engineering camp or workshop that influenced me		Wanted to use engineering solutions to address social problems  Not Sure  Other:					

Prin	nt Student Num	nber:				
7.		able below, check <b>Y</b> oduring high school.	es or No to i	ndicate the	honors or advance	ed courses you
	•		Honors/Ad	Ivanced?	]	
			Yes	No	1	
	Alg	gebra				
	Bio	ology				
		omputer science				
		e-calculus				
		alculus				
		nemistry				
		nglish			_	
		eometry			-	
		story			<u> </u> <del> </del>	
		nysics			-	
	In	igonometry			]	
		in an engineering cu plain your response:	irriculum?			□ Yes □ No
9.	it? (Check Not very There wa I was fail I was ver	began your engineer one) confident; I was alre as about a 50% char rly confident that I wo	ady unsure of that I would complete ald complete	of my plan to uld complete e a degree in a degree in	o study engineering e a degree in engine in engineering n engineering	
10.	•	ent time, how confid (Check one)	ent are you t	hat you will	complete a degree	(in any major) at this
	Not very o	confident; it is highly	likely I will no	t complete	any college degree	at this institution
	There is a	about a 50% chance	that I will cor	nplete a deg	gree at this institution	on
		confident that I will			-	
	•	confident that I will o	-	•		

□ Other:\_\_\_\_

11. 	What are you currently studying or planning Agriculture Art / Fine Arts Business / Management Computer/Information Science Education Engineering Technology Liberal Arts / Humanities	ng to	study? (Check one): Pre Med/Health Professions Science Pre Law Studies No other major; not returning to school Transferring to another institution Undecided Other
	When you had an academic problem in er Rank your top three choices.	ngine	ering, what did you do?
Tall Visi Spe Tall Tall For Tall Do nov See I ne Not	k to engineering advisor and/or advising state to other students and/or friends to other students and/or friends to the Women in Engineering or Minority offerd more time studying to my parents or siblings to a faculty member or join a student study group to a mentor something social or something that relaxes el) ek academic help at a tutoring center ver feel this way hing er (please specify)	fices	(e.g. exercise, read a
	My plans for the future are to: (Check all the Work in industry) Work in government lab or agency Go on to graduate school Go on to professional school (e.g. medicine) Teach at the college or university level Teach in K-12 schools Participate in a business start up or start in Enter (or re-enter) the military Undecided Other: Please specify	ne, la	aw) wn business

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14. The following is a list of engineering activities (co-curricular and academic). For each activity indicate your level of involvement during the most recent year you were enrolled in the college of engineering.

		Not Involved	1-2 time/year	3-5 times/year	More than 5 times/year
a.	An engineering society (e.g. American Society of Mechanical Engineers)	0	1	2	3
b.	An engineering fraternity or sorority	0	1	2	3
C.	A professional or student group for women or minority engineers (e.g. SWE, NSBE)	0	1	2	3
e.	Minority / Multicultural Engineering Program sponsored activities	0	1	2	3
f.	Women in Engineering Program or Women in Science and Engineering sponsored activities	0	1	2	3
g.	Activities (social or academic) sponsored by your department or major	0	1	2	3
h.	Design competition teams	0	1	2	3
i.	Undergraduate research experiences	0	1	2	3
j.	Co-op or Internship position	0	1	2	3

15. The following is a list of academic and/or preparation activities. Check all the activities in which you engaged in during the last academic year (e.g. September to June). Attended engineering orientation prior to beginning classes Attended summer program designed to prepare me to begin the engineering curriculum Attended review sessions before exams Called or emailed parents or other close friends about difficulties I was experiencing in classes or school Got advice from a mentor in a formal mentoring program Lived in honors or other non-engineering special interest dorm Participated in engineering-focused living arrangement (e.g. dorm, engineering fraternity) Participated in formal or informal study groups Received tutoring for courses where I was experiencing difficulty Scheduled an appointment with a professor and / or graduate assistant outside of his or her office hours Sought help from other engineering students when I experienced difficulties in classes Visited a professor and / or graduate assistant in her or his office hours Visited or emailed an adviser or advising center Visited the Career Center or Co-op Office to seek assistance with job search (e.g. permanent, internship or co-op) 16. Do you currently participate in any college / university athletic activities (intramural or official)? (check one) \_\_\_\_\_ Yes \_\_\_\_ No

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17. Do you work during the academic year? (check one ) \_\_\_\_\_ Yes \_\_\_\_ No

18. If you answered "yes" above, approximately how many hours per week are you employed?

	Less than 5	6 - 10	11 - 15	16 - 20	More than 20
On-campus					
Off-campus					

19. The following is a list of factors that may have influenced your decision to transfer out of engineering. For each factor choose a number between 0 and 4 to indicate the degree to which that factor influenced your decision to leave engineering where 0 = Not a Factor and 4 = A Significant Factor.

		Not a Factor		Factor But Not Significant		A Significant Factor
a.	Lack of opportunities for financial aid or scholarships	0	1	2	3	4
b.	Engineering faculty/departmental personnel showed little interest in me	0	1	2	3	4
C.	Unreasonable workload of the engineering classes	0	1	2	3	4
d.	Unfriendly climate in engineering classes	0	1	2	3	4
e.	Unsatisfactory performance on my grades in engineering	0	1	2	3	4
f.	Faculty did not help me understand what practicing engineers do	0	1	2	3	4
g.	Poor teaching by engineering faculty, instructors or graduate assistants	0	1	2	3	4
h.	Poor academic advising by engineering faculty or advisors	0	1	2	3	4
i.	Ability to find satisfactory CO-Ops and / or internships	0	1	2	3	4
j.	My personal abilities/talents are not a good "fit" with requirements in engineering	0	1	2	3	4
k.	Not confident about succeeding in future engineering classes	0	1	2	3	4
I.	Poor interactions with other engineering students	0	1	2	3	4
m.	Negative experiences in design teams or other collaborative learning experiences in engineering	0	1	2	3	4
n.	Lack of opportunities for financial aid or scholarships	0	1	2	3	4
0.	Engineering faculty/departmental personnel showed little interest in me	0	1	2	3	4
p.	Unreasonable workload of the engineering classes	0	1	2	3	4
q.	Unfriendly climate in engineering classes	0	1	2	3	4
r.	Unsatisfactory performance on my grades in engineering	0	1	2	3	4
S.	Faculty did not help me understand what practicing engineers do	0	1	2	3	4

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20. What was the <b>one biggest factor</b> that influence	ced you in deciding to change majors?
<ul> <li>21. With whom did you talk to about your decision</li> <li>□ Engineering adviser and / or advising staff</li> <li>□ Adviser and / or advising staff in new major</li> <li>□ Other students and/or friends</li> <li>□ Advisor or staff in diversity program (e.g. Women or Multicultural Engineering, special needs, etc.</li> </ul>	to leave engineering (Check all that apply)?  Parents A faculty member Relatives or family friends Mentor No one Other
22. How supportive are your parents/guardians of  ☐ Very supportive of my decision  ☐ Somewhat supportive of my decision  ☐ Did not have a preference in my decision  ☐ Somewhat against my decision  ☐ Firmly against my decision  ☐ Did not discuss decision with them	your decision to change majors? (Check one)

23. What else would you like to tell us about your experience in engineering?

Thank you!