

WELCOME TO THE Project to Assess Climate in Engineering SURVEY!

INSTRUCTIONS: The purpose of this survey is to learn more about students' experiences in engineering departments. Your responses are anonymous and participation is voluntary. Please answer questions based upon your experiences at your current college/university.

SCREENING QUESTIONS

Each screening question should be on a separate page

A. Have you taken any engineering courses at your current college/university?	Yes	No	All students answer Question A. If Yes, they continue to Question B on new page. If No, they exit survey.
B. Have you officially declared a major in engineering?	Yes	No	If Yes to Question B, students skip to Section 1. If No to Question B, students continue to Question C on new page.
C. Do you intend to officially declare a major in engineering?	Yes	No	If Yes to Question C, students continue to Section 1 on new page. If No to Question C, students continue to Section 1 on new page.

1. INTRODUCTION

Very Poor Poor Fair Good Excellent

New page

What is the overall quality of teaching you have received in your college engineering courses? (ADD N/A OPTION)					
What is the overall quality of teaching you have received in your college science courses? (ADD N/A OPTION)					
What is the overall quality of teaching you have received in your college math courses? (ADD N/A OPTION)					
What is the overall quality of teaching you have received in your college humanities/social science courses? (ADD N/A OPTION)					
What is the overall quality of mentoring you have received as an undergraduate student? (ADD N/A OPTION)					

N/A Option should be listed to the right of "Excellent"

What comments do you have on this section? (WRITE IN)

2. PROFESSORS

Never Rarely Sometimes Usually All the time

SECTION INSTRUCTIONS: Please answer the following questions based upon your experiences with ENGINEERING PROFESSORS at your current college/university.

Do your professors care whether or not you learn the course material?					
Do your professors encourage you to think creatively?					
Do your professors place more value on their own research than on teaching?					
Do your professors write helpful comments on the material you turn in?					
Do your professors treat you with respect?					
Are you able to understand course material?					
Are you comfortable asking questions in class?					
Do your professors think you have a lower ability than you actually have?					
Do your professors grade your work fairly?					

If you use all or parts of this survey, you must cite us:

Do your professors take your suggestions and comments in class seriously?					
Are you comfortable meeting with your professors for academic help?					
Are your course syllabi clear?					
Do you understand what your professors expect of you?					
Do your professors inspire you to study engineering?					
Do your professors keep the office hours they set for students?					
Do your professors encourage you to attend their office hours?					
Do you meet with your professors for extra help?					
Do your professors move through the course material too quickly?					
Do you feel overwhelmed by the amount of homework you have?					
Do you feel satisfied with your overall experience with your professors?					
Do your professors' accents make it difficult to understand course material? (ADD N/A OPTION)					
What comments do you have on this section? (WRITE IN)					

N/A option should be listed to the right of "All the time"

3. TEACHING ASSISTANTS (TAs, GTAs, GSIs)					
	Not at all	A little bit	Somewhat	Very	Extremely
SECTION INSTRUCTIONS: Please answer the following questions based upon your experiences with ENGINEERING TEACHING ASSISTANTS at your current college/university.					
Have you had a TA, GTA or GSI in any of your engineering courses?					
How effective are your teaching assistants at teaching?					
Are your teaching assistants effective communicators?					
Are your teaching assistants knowledgeable about the subjects they teach?					
Are you satisfied with the assistance you receive from your teaching assistants?					
Have cultural differences made you less likely to meet with your teaching assistants?					
Are you comfortable meeting with your teaching assistants for academic help?					
Do you feel satisfied with your overall experience with your teaching assistants?					
Do your teaching assistants' accents make it difficult to understand course material? (ADD N/A OPTION)					
	Never	Rarely	Sometimes	Usually	All the time
Do you meet with your teaching assistants for extra help?					
What comments do you have on this section? (WRITE IN)					

If Yes, students continue to next question on new page
 If No, students skip to Section 4 on new page.

New page

N/A option should be listed to the right of "Extremely"

4. LABS						New page
	Not at all	A little bit	Somewhat	Very	Extremely	
SECTION INSTRUCTIONS: Please answer the following questions based upon your experiences with ENGINEERING LABS at your current college/university.						
Have you had a lab in any of your engineering courses?		Yes		No		If Yes, students continue to next question on new page. If No, students skip to Section 5 on new page.
Is your lab work valuable?						New page
Are lab experiments explained clearly prior to labs?						
Are you satisfied with the training you are getting in technical writing?						
	Never	Rarely	Sometimes	Usually	All the time	
How often is your lab work divided up equally among the members of your lab group?						
What comments do you have on this section? (WRITE IN)						
5. RESOURCES						New page
	Not at all	A little bit	Somewhat	Very	Extremely	
SECTION INSTRUCTIONS: Please answer the following questions based upon your experiences with ENGINEERING RESOURCES at your current college/university.						
Are you satisfied with the size of your engineering classes?						
Are study centers in the College of Engineering useful? (ADD N/A OPTION)						N/A option should be listed to the right of "Extremely"
Are advisors in the College of Engineering helpful? (ADD N/A OPTION)						N/A option should be listed to the right of "Extremely"
Are you satisfied with the College of Engineering's job placement help? (ADD N/A OPTION)						N/A option should be listed to the right of "Extremely"
What comments do you have on this section? (WRITE IN)						

6. STUDENT INTERACTION

Never

Rarely

Sometimes

Usually

All the time

SECTION INSTRUCTIONS: Please answer the following questions based upon your experiences with STUDENT INTERACTION IN ENGINEERING CLASSES at your current college/university.

Are group projects valuable?					
Do you feel like you are a part of an engineering community?					
Do you like studying with other students in a group?					
Are you involved with student study groups?					
Do engineering students help each other succeed in class?					
Do other students take your comments/suggestions in class seriously?					
Do students compete with each other in your classes?					
	Far Below average	Below average	Average	Above Average	Far Above Average
Compared to other students in my classes, I think my academic abilities in my engineering classes are:					
What comments do you have on this section? (WRITE IN)					

If you use all or parts of this survey, you must cite us:

Center for Evaluation Research for STEM Equity, University of Washington (2012). Project to Assess Climate in Engineering Survey, Version 16

7. ORGANIZATIONS, PROGRAMS AND ACTIVITIES

SECTION INSTRUCTIONS: Please indicate which of the following ORGANIZATIONS, PROGRAMS AND ACTIVITIES you are involved with at your current college/university.

Engineering Service Clubs (Engineers without Borders, etc.)	Yes	No
Engineering Student/Professional Societies (SWE, NSBE, SHPE, AISES, Phi Sigma Rho, Tau Beta Pi, ASEE, IEEE, etc.)	Yes	No
Department Lectures and Seminar Series	Yes	No
Engineering Honors Programs	Yes	No
Extracurricular Engineering Projects (Solar car, Concrete canoe, etc.)	Yes	No
Engineering Internship or Co-Op	Yes	No
Undergraduate Research Experience	Yes	No
Women in Science and Engineering Programs	Yes	No
Minority Student Engineering Programs	Yes	No
Mentoring Programs	Yes	No
Volunteer work	Yes	No
Non-Engineering Internships	Yes	No
Disability Services	Yes	No
Collegiate or Intramural Athletics	Yes	No
Other: (WRITE IN)		
What comments do you have on this section? (WRITE IN)		

*This section was re-ordered and some options were combined or deleted

8. PERCEPTIONS OF ENGINEERING

SECTION INSTRUCTIONS: Please indicate the extent to which you agree or disagree with the following statements.

	Strongly Disagree	Somewhat Disagree	Neutral	Somewhat Agree	Strongly Agree
Engineers are well-paid					
Engineers can leave and come back to their careers more easily than can people in other professions					
Engineering is a field that supports people who want to have children and continue working					
Society values the work engineers do					
Engineers can design their own work schedules					
Engineering is a field that supports a balance between work and family life					
Engineering is boring					
Engineering is an occupation that is respected by other people					
Engineers help to make the world a better place.					
I expect that engineering will be a rewarding career (ADD N/A OPTION)					
I will have no problem finding a job when I have obtained an engineering degree (ADD N/A OPTION)					
My engineering coursework will prepare me for a job in engineering (ADD N/A OPTION)					
What are your long-term educational plans in engineering? (SCROLL BAR: I do not intend to get an engineering degree; Bachelors Degree; Masters Degree; Ph.D.)					
	1-5 years	6-10 years	11-15 years	16-20 years	20+ years
How long do you see yourself working as an engineer? (ADD N/A OPTION)					
What comments do you have on this section? (WRITE IN)					

N/A option should be listed to the right of "Strongly Agree"

N/A option should be listed to the right of "Strongly Agree"

N/A option should be listed to the right of "Strongly Agree"

9. ENGINEERING MAJOR

SECTION INSTRUCTIONS: Please indicate the extent to which you agree or disagree with the following statements.

	Strongly Disagree	Somewhat Disagree	Neutral	Somewhat Agree	Strongly Agree
I have no desire to declare a non-engineering major (e.g. biology, theater, English, philosophy, etc.)					
I can think of other majors that I would like better than engineering					
It is my choice to study engineering					
I intend to complete my engineering degree					
I enjoy solving engineering problems					
I find the content of my engineering classes interesting					
Overall, I am satisfied with my major					
Overall, I am happy to be in engineering					

What comments do you have on this section? (WRITE IN)

10. CONFIDENCE

SECTION INSTRUCTIONS: Please indicate the extent to which you agree or disagree with the following statements based on your experiences at your college/university.

	Strongly Disagree	Somewhat Disagree	Neutral	Somewhat Agree	Strongly Agree
I am confident in my ability to succeed in my college engineering courses					
I am confident in my ability to succeed in my college science courses					
I am confident in my ability to succeed in my college math courses					
I am confident in my ability to succeed in my college humanities/social science courses					
I am confident in my overall academic ability					
I am confident that someone like me can succeed in an engineering career					

What comments do you have on this section? (WRITE IN)

11. PERSONAL EXPERIENCE

SECTION INSTRUCTIONS: People have many kinds of experiences in college, both positive and negative. Please indicate the extent to which you agree or disagree with the following statements based on your experiences with the COLLEGE OF ENGINEERING at your college/university. Your responses are anonymous and are voluntary.

	Yes	No	Don't Know
In class, I have been singled out unfairly because of my race/ethnicity			
In class, I have been singled out unfairly because of my gender			
In class, I have heard engineering faculty express stereotypes about racial/ethnic groups			
In class, I have heard engineering faculty express stereotypes about men and women			
I have been sexually harassed by an engineering faculty member			
I have been sexually harassed by an engineering student			
I have been harassed by an engineering faculty member because of my race/ethnicity			
I have been harassed by an engineering student because of my race/ethnicity			
What comments do you have on this section? (WRITE IN)			

12. TRANSFER STUDENTS			New page
Do you already hold a two-year degree from a different college/university than you are currently attending?	Yes	No	
Do you already hold a four-year degree from a different college/university than you are currently attending?	Yes	No	
Did you transfer to your current college/university from a different college/university?	Yes	No	If Yes, students continue to next question on new page If No, students skip to Section 13 on new page.
When did you transfer to your current institution?	Month (SCROLL BAR)	Year (SCROLL BAR)	New page

SECTION INSTRUCTIONS: Please indicate the extent to which you agree or disagree with the following statements based on your experiences at your college/university.

	Strongly Disagree	Somewhat Disagree	Neutral	Somewhat Agree	Strongly Agree
I feel overwhelmed about being at a large university with thousands of students					
I feel uncomfortable about being in large lecture classes					
I feel insecure about making new friends at my 4-year university					
I feel confident about the new challenges at my 4-year university					
I would recommend to other transfers to come to this 4-year university					
If I could start over again, I would go to the same university I am now attending					
There is a stigma at this university among students for having started at a community college					
I often feel overwhelmed by the size of the student body					
The large classes intimidate me					
It is difficult to find my way around campus					
Upon transferring, I felt alienated at this 4-year university					
Adjusting to the academic standards or expectations has been difficult					
I experienced a dip in grades (GPA) during the first and second quarter/semester					
My level of stress increased when I started at this 4-year university					
Adjustment to the social environment has been difficult					
I am meeting as many people and making as many friends as I would like					
It is easy to make friends at this 4-year university					

I am very involved with social activities at this 4-year university											
What type of institution did you transfer from?						Two year school		Four year school		If Two Year, students continue to next question on new page. If Four Year, students skip to Section 13 on new page	
						Strongly Disagree	Somewhat Disagree	Neutral	Somewhat Agree	Strongly Agree	New page
My community college courses prepared me for the academic standards at my 4-year university											
My community college courses prepared me for my major at my 4-year university											
Because I was a "community college transfer," most students tend to underestimate my abilities											
Because I was a "community college transfer," most faculty tend to underestimate my abilities											
There is a sense of competition between/among students at this 4-year university that is not found in community colleges											
13. WHAT IS YOUR (EXPECTED) MAJOR? (PLEASE MARK ALL THAT APPLY)										New page	
Aeronautics & Astronautics Engineering	Civil Engineering	Engineering, Interdisciplinary	Mechanical Engineering	Survey Engineering							
Aerospace Engineering	Computer Science	Environmental Engineering	Mining and Minerals Engineering	Systems Engineering							
Agricultural & Biological Engineering	Computer Systems Engineering	Fire Protection Engineering	Naval Architecture & Marine Engineering	Other, specify:							
Architectural Engineering	Construction Engineering & Management	Industrial Engineering	Nuclear Engineering								
Bioengineering	Electrical and Computer Engineering	Macromolecular Science and Engineering	Ocean Engineering								
Biomedical Engineering	Engineering Science	Manufacturing Engineering	Petroleum and Geosystems Engineering								
Chemical Engineering	Engineering, General	Materials Science & Engineering	Pre-Engineering								
What comments do you have on this section? (WRITE IN)											

14. DEMOGRAPHIC INFORMATION

Class Year: (SCROLL BAR: Freshman/First year; Sophomore/Second year; Junior/Third year; Senior/Fourth year; Fifth year senior and beyond)

Cumulative GPA: (WRITE IN, constrain responses to numbers between 0.0 and 4.0)

Grade in last engineering course you completed: (WRITE IN, constrain response to numbers between 0.0 and 4.0)

SAT Mathematics Score (WRITE IN, constrain responses to integers between 200 and 800)

SAT Critical Reading Score (WRITE IN, constrain responses to integers between 200 and 800)

SAT Writing Score: (WRITE IN, constrain responses to integers between 200 and 800)

ACT Score: (WRITE IN, constrain responses to intergers between 1 and 36)

Do you have a disability that affects your ability to perform as a student (e.g. a mobility impairment)?	Yes	No
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Prior to beginning college, did you take any engineering courses?	Yes	No
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Tuition Status: (SCROLL BAR: In-state resident, Out-of-state resident, Private college/university)

US Citizenship Status: (SCROLL BAR: US Citizen; Permanent Resident; International Student)

What is the highest level of education your mother reached? (SCROLL BAR: Did not finish high school; Graduated from high school or GED)

What is the highest level of education your father reached? (SCROLL BAR: Did not finish high school; Graduated from high school or GED)

Are you a first-generation American citizen? (SCROLL BAR: Yes; No; I am not a US citizen)

Please indicate which of the following you have used to pay for your college education.

Personal earnings or savings	Yes	No
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Parent/Family earnings or savings	Yes	No
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Spouse/Partner earnings or savings	Yes	No
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Need-based scholarships	Yes	No
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Private loans	Yes	No
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Merit-based scholarships	Yes	No
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Federal loans	Yes	No
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Sponsored by employer/other organization	Yes	No
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Grants	Yes	No
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Don't know	If you use all or parts of this survey, you must cite us:	
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Please indicate if you have worked for pay during the academic school in either of the following ways.

Worked full-time	Yes	No
Worked part-time	Yes	No

Age: (WRITE IN)

What is your current relationship status? (SCROLL BAR: Single; Cohabiting with Partner; Married)

How many children are currently living with you as dependents? (WRITE IN)

Sex: (SCROLL BAR: Male; Female)

Race/Ethnicity: (PLEASE MARK ALL THAT APPLY)

African American/
Black

Hispanic/
Latino

American Indian/
Alaska Native

Native Hawaiian/
Pacific Islander

Asian American/
Asian

Southeast Asian

Asian Indian (Indian
Subcontinent)

White/Caucasian

Other: WRITE IN

What comments do you have on this section? (WRITE IN)

If you have any questions, please contact <ENTER INSTITUTION-SPECIFIC INFORMATION>