

P1319 E3 Fitzpatrick Fixed

Survey Flow

Block: First section (21 Questions)
Standard: Engineering prof block (24 Questions)
Standard: Engineering TA block (13 Questions)
Standard: Overall block (6 Questions)
Standard: ENGINEERING LAB WORK ASSOCIATED WITH COURSES (7 Questions)
Standard: COLLEGE OF ENGINEERING RESOURCES (15 Questions)
Standard: ENGINEERING STUDENT INTERACTIONS (9 Questions)
Standard: PERCEPTIONS OF THE FIELD OF ENGINEERING (13 Questions)
Standard: COMMITMENT TO ENGINEERING (9 Questions)
Standard: ENGINEERING COURSE WORK SELF-EFFICACY (7 Questions)

Branch: New Branch

If

If What graduate degree are you pursuing? Ph.D. Is Selected
Or What graduate degree are you pursuing? Masters of Science (with research thesis) Is Selected

Standard: ENGINEERING RESEARCH AND TEACHING SELF-EFFICACY – RESEARCH GRADUATE STUDENTS ONL (16 Questions)

Branch: New Branch

If

If What graduate degree are you pursuing? Ph.D. Is Selected

Standard: QUESTIONS FOR Ph.D. STUDENTS ONLY (13 Questions)

Standard: WORKING IN ENGINEERING RESEARCH LAB OR RESEARCH GROUP (9 Questions)
Standard: EXPERIENCES IN THE COLLEGE OF ENGINEERING (41 Questions)
Standard: ENGINEERING STUDENT ORGANIZATIONS (5 Questions)
Standard: Demographics (18 Questions)

Page Break

Educational Environment in Engineering Survey - 2019
Partially based on University of Washington PACE Survey – Project to Assess Climate in
Engineering
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Start of Block: First section

Q1 Welcome to the College of Engineering **Educational Environment in Engineering (E3)**
survey!

This survey will ask you about your thoughts, opinions and experiences in the College of
Engineering. The information gathered from this survey will help CoE create an excellent
academic and welcoming environment for all students in the College.

Page Break

Educational Environment in Engineering Survey - 2019

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Q2 Participation is voluntary, but students who complete the survey may provide their contact information to be eligible for a \$200 prize. There will be a \$200 prize for every 400 entrants!

The survey will take about 20 minutes – but every student voice is important so we hope you will answer all of the questions. You will be able to start the questionnaire, save your progress, and continue later. Thank you!

Privacy Info The UW Survey Center and CoE research staff will process the survey results. Your answers will be held in the strictest confidence and no identifying information will be associated with your survey responses. Results of the survey will be shared with College of Engineering administration, students, faculty and staff in Fall 2019. Researchers may publish papers or reports based on the results of this study. All reports will present information in aggregate form and will never contain information that would identify you as a participant.

If you have any questions, please contact the study Principal Investigator, Dr. Mary Fitzpatrick at mary.fitzpatrick@wisc.edu. If you have technical issues, please contact Nathan Jones at nrjones@wisc.edu.

Page Break

Educational Environment in Engineering Survey - 2019
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Engineering
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Q3 Our first questions are about your connection to the University of Wisconsin-Madison
College of Engineering.

Q4 Are you enrolled in a major in the College of Engineering at UW Madison?

Yes (1)

No (2)

Display This Question:

If Are you enrolled in a major in the College of Engineering at UW Madison? = No

Q5

Thank you for your response!

This survey is for students enrolled in a major in the College of Engineering at UW-Madison.

*Skip To: End of Survey If Thank you for your response! This survey is for students enrolled in a major in
the College of E...() Is Displayed*

Page Break

Q6 How many years have you been enrolled at UW-Madison?

Is this your...

- First year (1)
- Second year (2)
- Third year (3)
- Fourth year (4)
- Fifth year (5)
- Sixth year or more (6)

Page Break

Q7 Are you an undergraduate student or a graduate student?

Undergraduate (1)

Graduate (2)

Skip To: Q14 If Are you an undergraduate student or a graduate student? = Graduate

Page Break

Display This Question:

If Are you an undergraduate student or a graduate student? = Undergraduate

Q8 What is your major?

- Biomedical Engineering (1)
- Chemical Engineering (2)
- Civil Engineering (3)
- Geological Engineering (4)
- Computer Engineering (5)
- Electrical Engineering (6)
- Engineering Mechanics (7)
- Engineering Physics (8)
- Nuclear Engineering (9)
- Industrial Engineering (10)
- Materials Science and Engineering (11)
- Mechanical Engineering (12)
- Undecided Engineering (13)

Page Break

Q9 Have you taken classes in the College of Engineering?

This would include courses such as “Introduction to Engineering”, “Statics” or upper level Engineering courses, and all graduate Engineering courses. Foundational courses in math or science would include Chemistry, Physics, Calculus, etc.

- Yes, I have taken some courses in the College of Engineering. (1)
- No, I have only taken foundational math and science courses so far. (2)

Display This Question:

If Have you taken classes in the College of Engineering? This would include courses such as “Intro... = No, I have only taken foundational math and science courses so far.

Q10

Thank you for your response!

This survey is for students who have taken classes in the College of Engineering at UW-Madison.

Skip To: End of Survey If Thank you for your response! This survey is for students who have taken classes in the College o...() Is Displayed

Page Break

Q11 Have you met your departmental progression requirements?

- Yes, I have met my departmental progression requirements. (1)
- No, I have not yet met my departmental progression requirements. (2)
- I don't know. (3)

Page Break

Q12 Did you transfer to engineering from a major in another UW-Madison school or college?

Yes (1)

No (2)

Page Break

Q13 Did you transfer to UW-Madison from another institution?

- Yes, a two-year or community college. (1)
- Yes, another four-year college or university. (2)
- No, I started my college career at UW-Madison. (3)

Skip To: Q16 If Did you transfer to UW-Madison from another institution?(Yes, a two-year or community college.) Is Displayed

Page Break

Q14 What graduate degree are you pursuing?

- Professional Development (non-academic) (1)
- One-year accelerated Masters of Science (no research thesis) (2)
- Masters of Science (with research thesis) (3)
- Ph.D. (4)

Page Break

Q15 Which engineering department are you most closely associated with?

- Department of Chemical and Biological Engineering (1)
- Department of Civil and Environmental Engineering (2)
- Department of Computer and Electrical Engineering (3)
- Department of Engineering Physics (4)
- Department of Industrial and Systems Engineering (5)
- Department of Materials Science and Engineering (6)
- Department of Mechanical Engineering (7)
- Department of Biomedical Engineering (8)
- Department of Engineering Professional Development (9)

Page Break

Q16
CAREER PLANS

We'd first like to know about your career plans and expectations.

In what type of institution do you expect to be working?

- In industry or a company (1)
- In an educational environment such as a university (2)
- In a research institution (3)
- In a hospital (4)
- In government (5)
- None of the above, I expect to be working in a : (6)

- I don't know what type of institution I will work in (7)

Page Break

Q17 What position do you expect to hold?

- Practicing engineer (1)
- Engineering manager or project manager (2)
- Engineering instructor/teacher (3)
- Engineering faculty member (4)
- Engineering researcher (5)
- I don't expect to be working as an engineer (6)

Page Break

Display This Question:

If What position do you expect to hold? = I don't expect to be working as an engineer

Q18 In what position do you expect to be working?

Page Break

Q19 Thinking of your current and long-term educational plans, do you intend to complete a degree with an engineering major?

Yes (1)

No (2)

Page Break

Display This Question:

If Thinking of your current and long-term educational plans, do you intend to complete a degree with... = Yes

Q20 What is the highest level of engineering degree you would like to obtain?

- A Bachelor's of Science degree (1)
- A Master's of Science degree (2)
- A Doctoral degree (3)

Page Break

Display This Question:

If What position do you expect to hold? != I don't expect to be working as an engineer

Q21 For how many years do you see yourself working as an engineer?

- 1 to 5 years (1)
- 6 to 10 years (2)
- 11 to 15 years (3)
- 16 to 20 years (4)
- 21 or more years (5)
- I don't see myself working as an engineer (6)

Page Break

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End of Block: First section

Start of Block: Engineering prof block

Q22 ENGINEERING PROFESSORS

For the next questions, please think only about your experiences with Engineering professors as course instructors at the University of Wisconsin-Madison.

Q23 How much do your Engineering professors care whether or not you learn the course materials?

- Not at all (1)
 - A little bit (2)
 - Some (3)
 - Quite a bit (4)
 - A great deal (5)
-

Page Break

Q24 How often do your Engineering professors encourage you to think creatively in class assignments and projects?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q25 How often do you feel your Engineering professors place more value on their own research than on teaching engineering courses?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q26 How often do your Engineering professors write or provide helpful comments on the materials and course assignments you turn in?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q27 How often do your Engineering professors treat you with respect in the classroom or in office hours?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q28 How often are you able to understand course materials (lecture notes, slides, books, etc.) in your Engineering courses?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q29 How comfortable are you with asking professors questions in your Engineering courses?

- Not at all comfortable (1)
- A little bit comfortable (2)
- Somewhat comfortable (3)
- Very comfortable (4)
- Extremely comfortable (5)

Page Break

Q30 How often do you think your Engineering professors think you have a lower ability than you actually have?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q31 How fairly do your Engineering professors grade your work?

- Not at all fairly (1)
- A little bit fairly (2)
- Somewhat fairly (3)
- Very fairly (4)
- Extremely fairly (5)

Page Break

Q32 How seriously do your Engineering professors take your suggestions and comments in class?

- Not at all seriously (1)
- A little bit seriously (2)
- Somewhat seriously (3)
- Very seriously (4)
- Extremely seriously (5)

Page Break

Q33 How comfortable are you meeting with your Engineering professors for academic (coursework) help?

- Not at all comfortable (1)
- A little bit comfortable (2)
- Somewhat comfortable (3)
- Very comfortable (4)
- Extremely comfortable (5)

Page Break

Q34 How clear are your Engineering course syllabi?

- Not at all clear (1)
- A little bit clear (2)
- Somewhat clear (3)
- Very clear (4)
- Extremely clear (5)

Page Break

Q35 How clear are your Engineering professors' class expectations for you?

- Not at all clear (1)
- A little bit clear (2)
- Somewhat clear (3)
- Very clear (4)
- Extremely clear (5)

Page Break

Q36 How much do your Engineering professors inspire you to study engineering?

- Not at all (1)
- A little bit (2)
- Some (3)
- Quite a bit (4)
- A great deal (5)

Page Break

Q37 How often do your Engineering professors keep the office hours they set for students?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q38 How often do your Engineering professors encourage you to attend their office hours?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q39 How often do you meet with your Engineering professors for extra help with coursework?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q40 How often do your Engineering professors move through the course material too quickly?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q41 How often do you feel overwhelmed by the amount of homework you have in your Engineering courses?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q42 How often do language barriers between you and your Engineering professors make it difficult to understand course material?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q43 Overall, how welcome do Engineering course professors make you feel in the College of Engineering?

- Not at all welcome (1)
- A little bit welcome (2)
- Somewhat welcome (3)
- Very welcome (4)
- Extremely welcome (5)

Page Break

Q44 How satisfied are you with your overall teaching experience with your Engineering professors?

- Not at all satisfied (1)
- A little bit satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Q45 Is there anything else you would like to tell us about your experiences with engineering professors as course instructors here at UW-Madison?

End of Block: Engineering prof block

Start of Block: Engineering TA block

Q46 ENGINEERING TEACHING ASSISTANTS

For the next questions, please think only about your experiences with Engineering teaching assistants, in their role as instructors in engineering courses.

Q47 Have you ever had a Teaching Assistant, Graduate Teaching Assistant, or Graduate Student Instructor in any of your engineering courses at the UW-Madison?

- Yes (1)
- No (2)

Skip To: End of Block If Have you ever had a Teaching Assistant, Graduate Teaching Assistant, or Graduate Student Instruct... = No

Page Break

Q48 How effective are your Engineering teaching assistants at teaching?

- Not at all effective (1)
- A little bit effective (2)
- Somewhat effective (3)
- Very effective (4)
- Extremely effective (5)

Page Break

Q49 How effective are your Engineering teaching assistants as communicators?

- Not at all effective (1)
- A little bit effective (2)
- Somewhat effective (3)
- Very effective (4)
- Extremely effective (5)

Page Break

Q50 How knowledgeable are your Engineering teaching assistants about the subjects they teach?

- Not at all knowledgeable (1)
- A little bit knowledgeable (2)
- Somewhat knowledgeable (3)
- Very knowledgeable (4)
- Extremely knowledgeable (5)

Page Break

Q51 How much have cultural differences made you less likely to meet with Engineering teaching assistants?

- Not at all (1)
- A little bit (2)
- Some (3)
- Quite a bit (4)
- A great deal (5)

Page Break

Q52 How comfortable are you meeting with your Engineering teaching assistants for academic help?

- Not at all comfortable (1)
- A little bit comfortable (2)
- Somewhat comfortable (3)
- Very comfortable (4)
- Extremely comfortable (5)

Page Break

Q53 How satisfied are you with the assistance you receive from Engineering teaching assistants?

- Not at all satisfied (1)
- A little bit satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Q54 How often do language barriers between you and your teaching assistants make it difficult to understand course material?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q55 How often do you meet with your Engineering teaching assistants for extra help?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q56 How satisfied are you with your overall experience with Engineering teaching assistants?

- Not at all satisfied (1)
- A little bit satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Q57 Overall, how welcome do teaching assistants make you feel in the College of Engineering?

- Not at all welcome (1)
- A little bit welcome (2)
- Somewhat welcome (3)
- Very welcome (4)
- Extremely welcome (5)

Page Break

Q58 Is there anything else you would like to tell us about your experiences with engineering teaching assistants here at UW-Madison?

End of Block: Engineering TA block

Start of Block: Overall block

Q59 OVERALL QUALITY OF TEACHING

The next questions are about the overall quality of teaching here at the University of Wisconsin-Madison.

Q60 Thinking only about engineering courses you have taken here at UW-Madison, what is the overall quality of teaching you have received?

- Poor quality (1)
- Fair quality (2)
- Good quality (3)
- Very good quality (4)
- Excellent (5)

Page Break

Q61 Thinking only about science courses you have taken here at UW-Madison such as chemistry, physics, computer science, etc. what is the overall quality of teaching you have received?

- Poor quality (1)
- Fair quality (2)
- Good quality (3)
- Very good quality (4)
- Excellent (5)
- I have not taken science courses at UW-Madison (6)

Page Break

Q62 Thinking only about math courses you have taken here at UW-Madison, what is the overall quality of teaching you have received?

- Poor quality (1)
- Fair quality (2)
- Good quality (3)
- Very good quality (4)
- Excellent (5)
- I have not taken math courses at UW-Madison (6)

Page Break

Q63 Thinking only about humanities or social science courses you have taken here at UW-Madison, what is the overall quality of teaching you have received?

- Poor quality (1)
- Fair quality (2)
- Good quality (3)
- Very good quality (4)
- Excellent quality (5)
- I have not taken humanities or social sciences courses at UW-Madison (6)

Page Break

Q64 Is there anything else you would like to tell us about the overall quality of instruction here at UW-Madison?

End of Block: Overall block

Start of Block: ENGINEERING LAB WORK ASSOCIATED WITH COURSES

Q65 ENGINEERING LAB WORK ASSOCIATED WITH COURSES Many courses in the College of Engineering have a laboratory (lab) component, which is separate from lecture and includes hands-on work such as conducting experiments, building design projects, and writing lab reports or posters. While chemistry, physics and other courses outside the College of Engineering also have lab, please consider only those labs associated with engineering courses.

Q66 Have you ever had a lab in any of your engineering courses at the UW-Madison?

- Yes (1)
- No (2)

*Skip To: End of Block If Have you ever had a lab in any of your engineering courses at the UW-Madison?
= No*

Page Break

Q67 How valuable is your engineering lab work?

- Not at all valuable (1)
- A little bit valuable (2)
- Somewhat valuable (3)
- Very valuable (4)
- Extremely valuable (5)

Page Break

Q68 How clearly are your engineering lab experiments explained prior to each lab?

- Not at all clearly (1)
- A little bit clearly (2)
- Somewhat clearly (3)
- Very clearly (4)
- Extremely clearly (5)

Page Break

Q69 How satisfied are you with the technical communications training you are given in your Engineering lab courses (for example, for writing lab reports, or giving technical presentations)?

- Not at all satisfied (1)
- A little bit satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Q70 For most labs, how fairly is lab work divided up among the group members in your Engineering lab courses?

- Not at all fairly (1)
- A little bit fairly (2)
- Somewhat fairly (3)
- Very fairly (4)
- Extremely fairly (5)

Page Break

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Q71 Is there anything else you would like to tell us about your experiences with engineering
labs here at UW-Madison?

End of Block: ENGINEERING LAB WORK ASSOCIATED WITH COURSES

Start of Block: COLLEGE OF ENGINEERING RESOURCES

Q72 COLLEGE OF ENGINEERING RESOURCES

The next questions are about resources available in the college of Engineering.

Q73 Have you ever used any of the following engineering resources at UW-Madison?

	Yes (1)	No (2)
Undergraduate Learning Center (1)	<input type="radio"/>	<input type="radio"/>
Academic Advising (non-faculty) (2)	<input type="radio"/>	<input type="radio"/>
Faculty Academic Advising (3)	<input type="radio"/>	<input type="radio"/>
Engineering Career Services (4)	<input type="radio"/>	<input type="radio"/>
Engineering Career Fairs (5)	<input type="radio"/>	<input type="radio"/>
Diversity Affairs Office (6)	<input type="radio"/>	<input type="radio"/>
International Engineering Studies and Programs (Study Abroad) (7)	<input type="radio"/>	<input type="radio"/>
Resources associated with your academic department (8)	<input type="radio"/>	<input type="radio"/>
Computer Engineering/Computer labs (9)	<input type="radio"/>	<input type="radio"/>

Page Break

Display This Question:

If Have you ever used any of the following engineering resources at UW-Madison? = Undergraduate Learning Center [Yes]

Q74 How helpful is the College of Engineering Undergraduate Learning Center?

- Not at all helpful (1)
- A little bit helpful (2)
- Somewhat helpful (3)
- Very helpful (4)
- Extremely helpful (5)

Page Break

Q75

Display This Question:

If Have you ever used any of the following engineering resources at UW-Madison? = Academic Advising (non-faculty) [Yes]

Q76 How helpful are College of Engineering Academic Advisors (non-faculty)?

- Not at all helpful (1)
 - A little bit helpful (2)
 - Somewhat helpful (3)
 - Very helpful (4)
 - Extremely helpful (5)
-

Page Break

Display This Question:

*If Have you ever used any of the following engineering resources at UW-Madison? = Faculty
Academic Advising [Yes]*

Q77 How helpful are College of Engineering Faculty Academic Advisors?

- Not at all helpful (1)
- A little bit helpful (2)
- Somewhat helpful (3)
- Very helpful (4)
- Extremely helpful (5)

Page Break

Display This Question:

If Have you ever used any of the following engineering resources at UW-Madison? = Engineering Career Services [Yes]

Q78 How satisfied are you with College of Engineering Career Services?

- Not at all satisfied (1)
- A little bit satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Display This Question:

If Have you ever used any of the following engineering resources at UW-Madison? = Engineering Career Fairs [Yes]

Q79 How satisfied are you with College of Engineering Career Fairs?

- Not at all satisfied (1)
- A little bit satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Display This Question:

*If Have you ever used any of the following engineering resources at UW-Madison? = Diversity Affairs
Office [Yes]*

Q80 How satisfied are you with College of Engineering Diversity Affairs Office services?

- Not at all satisfied (1)
- A little bit satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Display This Question:

If Have you ever used any of the following engineering resources at UW-Madison? = International Engineering Studies and Programs (Study Abroad) [Yes]

Q81 How satisfied are you with College of Engineering International Engineering Studies and Programs (study abroad)?

- Not at all satisfied (1)
- A little bit satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Display This Question:

If Have you ever used any of the following engineering resources at UW-Madison? = Resources associated with your academic department [Yes]

Q82 How helpful are the resources in your academic department (departmental staff and chair)?

- Not at all helpful (1)
- A little bit helpful (2)
- Somewhat helpful (3)
- Very helpful (4)
- Extremely helpful (5)

Page Break

Display This Question:

If Have you ever used any of the following engineering resources at UW-Madison? = Computer Engineering/Computer labs [Yes]

Q83 How satisfied are you with College of Engineering Computer Engineering/Computer Labs?

- Not at all satisfied (1)
- A little bit satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Q84 How welcome does your academic department make you feel?

- Not at all welcome (1)
- A little bit welcome (2)
- Somewhat welcome (3)
- Very welcome (4)
- Extremely welcome (5)

Page Break

Q85 How satisfied are you with the size of your Engineering classes (number of students in class)?

- Not at all satisfied (1)
- A little bit satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Q86 Is there anything else you would like to tell us about your experiences with College of
Engineering resources at UW-Madison?

End of Block: COLLEGE OF ENGINEERING RESOURCES

Start of Block: ENGINEERING STUDENT INTERACTIONS

Q87 ENGINEERING STUDENT INTERACTIONS

The next questions are about interactions you may have had with other students in the College
of Engineering at UW-Madison

Q88 How valuable have you found participating in group projects in Engineering?

- Not at all valuable (1)
- A little bit valuable (2)
- Somewhat valuable (3)
- Very valuable (4)
- Extremely valuable (5)
- I have never worked on a group project (6)

Page Break

Q89 How much do you like studying with other students in a group in Engineering?

- Not at all (1)
- A little bit (2)
- Some (3)
- Quite a bit (4)
- A great deal (5)
- I do not study with other engineering students. (6)

Page Break

Q90 How much do you feel like you are part of an engineering community in the UW-Madison College of Engineering?

- Not at all (1)
- A little bit (2)
- Some (3)
- Quite a bit (4)
- A great deal (5)

Page Break

Q91 How much do engineering students at the UW-Madison help each other succeed in class?

- Not at all (1)
- A little bit (2)
- Some (3)
- Quite a bit (4)
- A great deal (5)

Page Break

Q92 How seriously do other students take your comments or suggestions in class or on group projects in the College of Engineering?

- Not at all seriously (1)
- A little bit seriously (2)
- Somewhat seriously (3)
- Very seriously (4)
- Extremely seriously (5)

Page Break

Q93 How often do students in your engineering classes compete with each other?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q94 Overall, how welcome do other engineering students make you feel in the College of Engineering?

- Not at all welcome (1)
- A little bit welcome (2)
- Somewhat welcome (3)
- Very welcome (4)
- Extremely welcome (5)

Page Break

Q95 What other comments do you have about your interactions with other engineering students?

End of Block: ENGINEERING STUDENT INTERACTIONS

Start of Block: PERCEPTIONS OF THE FIELD OF ENGINEERING

Q96 PERCEPTIONS OF THE FIELD OF ENGINEERING In this section we are going to ask you about your general perceptions of engineering as a profession.

Q97 Compared to other professions, do you think the pay in engineering is...

- ...much less (1)
- ...slightly less (2)
- ...about the same (3)
- ...slightly more (4)
- ...much more (5)

Page Break

Q98 Compared to other professions, how flexible do you think engineering is in allowing people to leave and come back to their careers?

- Not at all (1)
- Slightly (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

Page Break

Q99 Compared to other fields, how supportive is engineering in allowing people to combine personal and family responsibilities with their work?

- Not at all (1)
- Slightly (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

Page Break

Q100 How much do you feel society values the work that engineers do?

- Not at all (1)
- A little bit (2)
- Some (3)
- Quite a bit (4)
- A great deal (5)

Page Break

Q101 How flexible is Engineering in allowing engineers to set their own work schedules?

- Not at all (1)
- Slightly (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

Page Break

Q102 How supportive is Engineering in allowing engineers to achieve a balance between work and personal life?

- Not at all (1)
- Slightly (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

Page Break

Q103 How interesting is Engineering to you?

- Not at all (1)
- Slightly (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

Page Break

Q104 How respected by others is Engineering as an occupation?

- Not at all (1)
- Slightly (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

Page Break

Q105 How important is the work of Engineers in making the world a better place?

- Not at all (1)
- Slightly (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

Page Break

Q106 How rewarding do you expect engineering to be as a career?

- Not at all (1)
- Slightly (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

Page Break

Q107 How easy do you expect it be for you to find a job after earning engineering degree?

- Not at all (1)
- Slightly (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

Page Break

Q108 How prepared will your engineering education make you for a job in the field of engineering?

- Not at all (1)
- Slightly (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

End of Block: PERCEPTIONS OF THE FIELD OF ENGINEERING

Start of Block: COMMITMENT TO ENGINEERING

Display This Question:

If Are you an undergraduate student or a graduate student? = Undergraduate

Q109 MAJOR PLANS

The next questions ask about your plans for your major at UW-Madison.

How interested are you in declaring a non-engineering major, such as biology, chemistry, computer science, theater, English or philosophy?

- Not at all interested (1)
- Slightly interested (2)
- Somewhat interested (3)
- Very interested (4)
- Extremely interested (5)

Page Break

Q110 How confident are you that you prefer an engineering major over any other possible non-engineering majors?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q111 How much did the opinions of others affect your decision to study engineering?

- Not at all (1)
- A little bit (2)
- Some (3)
- Quite a bit (4)
- A great deal (5)

Page Break

Q112 How committed are you to completing your engineering degree?

- Not at all committed (1)
- Slightly committed (2)
- Somewhat committed (3)
- Very committed (4)
- Extremely committed (5)

Page Break

Q113 How much do you enjoy solving engineering problems?

- Not at all (1)
- A little bit (2)
- Some (3)
- Quite a bit (4)
- A great deal (5)

Page Break

Q114 How interesting do you find the content of your engineering classes?

- Not at all interesting (1)
- Slightly interesting (2)
- Somewhat interesting (3)
- Very interesting (4)
- Extremely interesting (5)

Page Break

Q115 Overall, how satisfied are you with your current major?

- Not at all satisfied (1)
- Slightly satisfied (2)
- Somewhat satisfied (3)
- Very satisfied (4)
- Extremely satisfied (5)

Page Break

Q116 Overall, how happy are you to be in engineering?

- Not at all happy (1)
- Slightly happy (2)
- Somewhat happy (3)
- Very happy (4)
- Extremely happy (5)

Page Break

Q117 Is there anything else you would like to tell us about your major at UW-Madison?

End of Block: COMMITMENT TO ENGINEERING

Start of Block: ENGINEERING COURSE WORK SELF-EFFICACY

Q118
ACADEMIC CONFIDENCE

How confident are you in your ability to succeed in your engineering courses at UW Madison?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q119 How confident are you in your ability to succeed in your science courses at UW Madison?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q120 How confident are you in your ability to succeed in your math courses at UW Madison?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q121 How confident are you in your ability to succeed in your laboratory courses at UW Madison?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q122 How confident are you in your overall academic ability?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q123 How confident are you that someone like you can succeed in your chosen engineering career?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)
- I don't plan to pursue an engineering career (6)

Page Break

Q124 Compared to other students in your engineering classes, do you think your abilities are...

- ...very below average (1)
- ...somewhat below average (2)
- ...average (3)
- ...somewhat above average (4)
- ...very above average (5)

End of Block: ENGINEERING COURSE WORK SELF-EFFICACY

Start of Block: ENGINEERING RESEARCH AND TEACHING SELF-EFFICACY –
RESEARCH GRADUATE STUDENTS ONL

Q125 With continued training, how confident are you in your ability to succeed in conducting the research associated with your major/program?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q126 With continued training, how confident are you in your ability to succeed in executing your own engineering research?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q127 With continued training, how confident are you in your ability to contribute to engineering research publications?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q128 With continued training, how confident are you in your ability to author your own engineering research publications?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q129 Compared to other students in your department/program, do you think your abilities as an engineering researcher are...

- ...very below average (1)
- ...somewhat below average (2)
- ...average (3)
- ...somewhat above average (4)
- ...very above average (5)

Page Break

Q130 Are you currently or have you been a teaching assistant in the College of Engineering at UW Madison?

Yes (1)

No (2)

Skip To: End of Block If Are you currently or have you been a teaching assistant in the College of Engineering at UW Madison? != Yes

Q131 With continued training, how confident are you in your ability to contribute to teaching an engineering course?

Not at all confident (1)

Slightly confident (2)

Somewhat confident (3)

Very confident (4)

Extremely confident (5)

Page Break

Q132 With continued training, how confident are you in your ability to lead the teaching of an engineering course (including developing course content) in your area of expertise?

- Not at all confident (1)
- Slightly confident (2)
- Somewhat confident (3)
- Very confident (4)
- Extremely confident (5)

Page Break

Q133 Compared to other students in your department/program, do you think your abilities as an engineering teaching assistant are...

- ...very below average (1)
- ...somewhat below average (2)
- ...average (3)
- ...somewhat above average (4)
- ...very above average (5)

Page Break

Q134 How often do you feel respected by students in the courses that you teach?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q135 How effective is the training you have received on how to teach or how to be an instructor?

- Not at all effective (1)
- Slightly effective (2)
- Somewhat effective (3)
- Very effective (4)
- Extremely effective (5)
- I have not received any training on how to be an instructor (6)

Page Break

Q136 How effective is the training you have received on how to grade assignments?

- Not at all effective (1)
- Slightly effective (2)
- Somewhat effective (3)
- Very effective (4)
- Extremely effective (5)
- I have not received any training on how to grade assignments (6)

Page Break

Q137 How helpful is collaboration with other teaching assistants involved in your courses or in your department?

- Not at all helpful (1)
- Slightly helpful (2)
- Somewhat helpful (3)
- Very helpful (4)
- Extremely helpful (5)
- There has not been collaboration with other teaching assistants (6)

Page Break

Q138 How often do you receive guidance from faculty on the courses you are teaching?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q139 How often do you receive supervision from faculty on the courses you are teaching?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q140 What other comments do you have about your research and teaching preparation?

End of Block: ENGINEERING RESEARCH AND TEACHING SELF-EFFICACY – RESEARCH
GRADUATE STUDENTS ONL

Start of Block: QUESTIONS FOR Ph.D. STUDENTS ONLY

Q141 Is your Principal Investigator (PI) and Faculty Advisor the same person?

- Yes (1)
- No (2)

Page Break

Display This Question:

If Is your Principal Investigator (PI) and Faculty Advisor the same person? = No

Q142

You said your Principal Investigator and Faculty Advisor are NOT the same person.

Please think about the person giving you the most important guidance about your graduate career for the following questions.

Q143 How much do you trust your PI/Faculty Advisor?

- Not at all (1)
- A little (2)
- Somewhat (3)
- A lot (4)
- Completely (5)

Page Break

Q144 How much does your PI/Faculty Advisor help you with career opportunities?

- Not at all (1)
- A little (2)
- Somewhat (3)
- A lot (4)
- A great deal (5)

Page Break

Q145 How much does your PI/Faculty Advisor help you with networking in your field?

- Not at all (1)
- A little (2)
- Somewhat (3)
- A lot (4)
- A great deal (5)

Page Break

Q146 How much feedback does your PI/Faculty Advisor give you on your own research?

- Not at all (1)
- A little (2)
- Somewhat (3)
- A lot (4)
- A great deal (5)

Page Break

Q147 How much does your PI/Faculty Advisor value your research?

- Not at all (1)
- A little (2)
- Somewhat (3)
- A lot (4)
- A great deal (5)

Page Break

Q148 How clear are the expectations of your PI/Faculty Advisor?

- Not at all clear (1)
- A little clear (2)
- Somewhat clear (3)
- Very clear (4)
- Extremely clear (5)

Page Break

Q149 How often does your PI/Faculty Advisor give you more work than you can reasonably complete?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q150 How often does your PI/Faculty Advisor give you career opportunities such as opportunities to participate in additional research, or to present at a conference?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q151 How available is your PI/Faculty Advisor to meet with you?

- Not at all available (1)
- A little available (2)
- Somewhat available (3)
- Very available (4)
- Extremely available (5)

Page Break

Q152 How often does your PI/Faculty Advisor provide you with advice or mentoring?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q153 What other comments do you have about your PI/Faculty Advisor?

Page Break

Educational Environment in Engineering Survey - 2019
Partially based on University of Washington PACE Survey – Project to Assess Climate in
Engineering
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End of Block: QUESTIONS FOR Ph.D. STUDENTS ONLY

Start of Block: WORKING IN ENGINEERING RESEARCH LAB OR RESEARCH GROUP

Q154 WORKING IN ENGINEERING RESEARCH LAB OR RESEARCH GROUP

Q155 Have you worked or volunteered in an engineering research lab, or engineering research group ?

Yes (1)

No (2)

Skip To: End of Block If Have you worked or volunteered in an engineering research lab, or engineering research group ? != Yes

Page Break

Q156 How often is there collaboration between research group members?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q157 How often are you mentored in research skills by other lab members?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q158 How often is the environment in your research group welcoming to you?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q159 How often are you mentored by the research group leader or PI?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q160 How clear are the expectations for your work in the research group?

- Not at all clear (1)
- Slightly clear (2)
- Somewhat clear (3)
- Very clear (4)
- Extremely clear (5)

Page Break

Q161 How often do you receive feedback on your skills as a researcher?

- Never (1)
- Rarely (2)
- Sometimes (3)
- Usually (4)
- All the time (5)

Page Break

Q162 What other comments do you have about working in an engineering research lab or research group?

End of Block: WORKING IN ENGINEERING RESEARCH LAB OR RESEARCH GROUP

Start of Block: EXPERIENCES IN THE COLLEGE OF ENGINEERING

Q163 EXPERIENCES IN THE COLLEGE OF ENGINEERING

Have you ever witnessed any of the following incidents in your College of Engineering classes? In engineering classes, have you ever heard instructors or faculty express...

	Yes (1)	No (2)
...stereotypes about racial or ethnic groups? (1)	<input type="radio"/>	<input type="radio"/>
...stereotypes about men and women? (2)	<input type="radio"/>	<input type="radio"/>
...stereotypes about LGBTQ+ people? (3)	<input type="radio"/>	<input type="radio"/>

Page Break

Display This Question:

If EXPERIENCES IN THE COLLEGE OF ENGINEERING Have you ever witnessed any of the following incidents... = ...stereotypes about racial or ethnic groups? [Yes]

Q164 How often have you heard instructors or faculty express stereotypes about racial or ethnic groups?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q165 *Exclusive behavior can take many forms such as making stereotypical comments and failing to be inclusive with peers from different races.* In your opinion, what proportion of engineering instructors engage at least occasionally in exclusive behavior towards people from races or ethnicities different from their own?

- None or nearly none (1)
- Less than half, but not none (2)
- About half (3)
- More than half, but not all (4)
- All or nearly all (5)

Page Break

Display This Question:

If EXPERIENCES IN THE COLLEGE OF ENGINEERING Have you ever witnessed any of the following incidents... = ...stereotypes about men and women? [Yes]

Q166 How often have you heard instructors or faculty express stereotypes about men and women?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q167 *Exclusive behavior can take many forms such as making stereotypical comments and failing to include women.* In your opinion, what proportion of engineering instructors engage at least occasionally in exclusive behavior towards women?

- None or nearly none (11)
- Less than half, but not none (12)
- About half (13)
- More than half, but not all (14)
- All or nearly all (15)

Display This Question:

If EXPERIENCES IN THE COLLEGE OF ENGINEERING Have you ever witnessed any of the following incidents... = ...stereotypes about LGBTQ+ people? [Yes]

Q168 How often have you heard instructors or faculty express stereotypes about LGBTQ+ people?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q169 In engineering classes, have you ever heard teaching assistants express...

	Yes (1)	No (2)
...stereotypes about racial or ethnic groups? (1)	<input type="radio"/>	<input type="radio"/>
...stereotypes about men and women? (2)	<input type="radio"/>	<input type="radio"/>
...stereotypes about LGBTQ+ people? (3)	<input type="radio"/>	<input type="radio"/>

Page Break

Display This Question:

If In engineering classes, have you ever heard teaching assistants express... = ...stereotypes about racial or ethnic groups? [Yes]

Q170 How often have you heard teaching assistants express stereotypes about racial or ethnic groups?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If In engineering classes, have you ever heard teaching assistants express... = ...stereotypes about men and women? [Yes]

Q171 How often have you heard teaching assistants express stereotypes about men and women?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If In engineering classes, have you ever heard teaching assistants express... = ...stereotypes about LGBTQ+ people? [Yes]

Q172 How often have you heard teaching assistants express stereotypes about LGBTQ+ people?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q173 In engineering classes, have you ever heard students express...

	Yes (1)	No (2)
...stereotypes about racial or ethnic groups? (1)	<input type="radio"/>	<input type="radio"/>
...stereotypes about men and women? (2)	<input type="radio"/>	<input type="radio"/>
...stereotypes about LGBTQ+ people? (3)	<input type="radio"/>	<input type="radio"/>

Page Break

Display This Question:

If In engineering classes, have you ever heard students express... = ...stereotypes about racial or ethnic groups? [Yes]

Q174 How often have you heard students express stereotypes about racial or ethnic groups?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q175 *Exclusive behavior can take many forms such as making stereotypical comments and failing to be inclusive with peers from different races.* In your opinion, what proportion of engineering students engage at least occasionally in exclusive behavior towards people from races or ethnicities different from their own?

- None or nearly none (11)
- Less than half, but not none (12)
- About half (13)
- More than half, but not all (14)
- All or nearly all (15)

Page Break

Display This Question:

If In engineering classes, have you ever heard students express... = ...stereotypes about men and women? [Yes]

Q176 How often have you heard students express stereotypes about men and women?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q177 *Exclusive behavior can take many forms such as making stereotypical comments and failing to include women.* In your opinion, what proportion of engineering students engage at least occasionally in exclusive behavior towards women?

- None or nearly none (11)
- Less than half, but not none (12)
- About half (13)
- More than half, but not all (14)
- All or nearly all (15)

Display This Question:

If In engineering classes, have you ever heard students express... = ...stereotypes about LGBTQ+ people? [Yes]

Q178 How often have you heard students express stereotypes about LGBTQ+ people?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q179 Have you ever directly experienced any of the following incidents in your Engineering classes?

	Yes (1)	No (2)
In class, have you ever been singled out unfairly <u>by a faculty member</u> because of your race or ethnicity? (1)	<input type="radio"/>	<input type="radio"/>
In class, have you ever been singled out unfairly <u>by a faculty member</u> because of your gender? (2)	<input type="radio"/>	<input type="radio"/>
In class, have you ever been singled out unfairly <u>by a faculty member</u> because of your sexual orientation? (3)	<input type="radio"/>	<input type="radio"/>

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents in your Engineering classes? = In class, have you ever been singled out unfairly <u>by a faculty member</u> because of your race or ethnicity? [Yes]

Q180 How often have you been singled out unfairly by a faculty member because of your race or ethnicity?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents in your Engineering classes? = In class, have you ever been singled out unfairly <u>by a faculty member</u> because of your gender? [Yes]

Q181 How often have you been singled out unfairly by a faculty member because of your gender?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents in your Engineering classes? = In class, have you ever been singled out unfairly <u>by a faculty member</u> because of your sexual orientation? [Yes]

Q182 How often have you been singled out unfairly by a faculty member because of your sexual orientation?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q183 Have you ever directly experienced any of the following incidents in your Engineering classes?

	Yes (1)	No (2)
In class, have you ever been singled out unfairly <u>by a teaching assistant</u> because of your race or ethnicity? (1)	<input type="radio"/>	<input type="radio"/>
In class, have you ever been singled out unfairly <u>by a teaching assistant</u> because of your gender? (2)	<input type="radio"/>	<input type="radio"/>
In class, have you ever been singled out unfairly <u>by a teaching assistant</u> because of your sexual orientation? (3)	<input type="radio"/>	<input type="radio"/>

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents in your Engineering classes? = In class, have you ever been singled out unfairly <u>by a teaching assistant</u> because of your race or ethnicity? [Yes]

Q184 How often have you been singled out unfairly by a teaching assistant because of your race or ethnicity?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents in your Engineering classes? = In class, have you ever been singled out unfairly <u>by a teaching assistant</u> because of your gender? [Yes]

Q185 How often have you been singled out unfairly by a teaching assistant because of your gender?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents in your Engineering classes? = In class, have you ever been singled out unfairly <u>by a teaching assistant</u> because of your sexual orientation? [Yes]

Q186 How often have you been singled out unfairly by a teaching assistant because of your sexual orientation?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q187 Thinking about your experiences in the College of Engineering, have you ever...

	Yes (1)	No (2)
...been singled out unfairly <u>by another student</u> because of your race or ethnicity? (1)	<input type="radio"/>	<input type="radio"/>
...been singled out unfairly <u>by another student</u> because of your gender? (2)	<input type="radio"/>	<input type="radio"/>
... been singled out unfairly <u>by another student</u> because of your sexual orientation? (3)	<input type="radio"/>	<input type="radio"/>

Page Break

Display This Question:

If Thinking about your experiences in the College of Engineering, have you ever... = ...been singled out unfairly <u>by another student</u> because of your race or ethnicity? [Yes]

Q188 How often have you been singled out unfairly by another student because of your race or ethnicity?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Thinking about your experiences in the College of Engineering, have you ever... = ...been singled out unfairly <u>by another student</u> because of your gender? [Yes]

Q189 How often have you been singled out unfairly by another student because of your gender?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Thinking about your experiences in the College of Engineering, have you ever... = ... been singled out unfairly <u>by another student</u> because of your sexual orientation? [Yes]

Q190 How often have you been singled out unfairly by another student because of your sexual orientation?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q191 Have you ever directly experienced any of the following incidents as a student in the College of Engineering?

	Yes (1)	No (2)
Have you ever been sexually harassed <u>by a faculty member</u> ? (1)	<input type="radio"/>	<input type="radio"/>
Have you ever been harassed <u>by a faculty member</u> because of your race or ethnicity? (2)	<input type="radio"/>	<input type="radio"/>
Have you ever been harassed <u>by a faculty member</u> because of your sexual orientation? (3)	<input type="radio"/>	<input type="radio"/>

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents as a student in the College of... = Have you ever been sexually harassed <u>by a faculty member</u>? [Yes]

Q192 How often have you been sexually harassed by a faculty member?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents as a student in the College of... = Have you ever been harassed <u>by a faculty member</u> because of your race or ethnicity? [Yes]

Q193 How often have you been harassed by a faculty member because of your race or ethnicity?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents as a student in the College of... = Have you ever been harassed <u>by a faculty member</u> because of your sexual orientation? [Yes]

Q194 How often have you harassed by a faculty member because of your sexual orientation?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q195 Have you ever directly experienced any of the following incidents as a student in the College of Engineering?

	Yes (1)	No (2)
Have you ever been sexually harassed <u>by a teaching assistant</u> ? (1)	<input type="radio"/>	<input type="radio"/>
Have you ever been harassed <u>by a teaching assistant</u> because of your race or ethnicity? (2)	<input type="radio"/>	<input type="radio"/>
Have you ever been harassed <u>by a teaching assistant</u> because of your sexual orientation? (3)	<input type="radio"/>	<input type="radio"/>

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents as a student in the College of... = Have you ever been sexually harassed <u>by a teaching assistant</u>? [Yes]

Q196 How often have you been sexually harassed by a teaching assistant?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents as a student in the College of... = Have you ever been harassed <u>by a teaching assistant</u> because of your race or ethnicity? [Yes]

Q197 How often have you been harassed by a teaching assistant because of your race or ethnicity?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents as a student in the College of... = Have you ever been harassed <u>by a teaching assistant</u> because of your sexual orientation? [Yes]

Q198 How often have you been harassed by a teaching assistant because of your sexual orientation?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Q199 Have you ever directly experienced any of the following incidents as a student in Engineering?

	Yes (1)	No (2)
Have you ever been sexually harassed <u>by another student</u> ? (1)	<input type="radio"/>	<input type="radio"/>
Have you ever been harassed <u>by another student</u> because of your race or ethnicity? (2)	<input type="radio"/>	<input type="radio"/>
Have you ever been harassed <u>by another student</u> because of your sexual orientation? (3)	<input type="radio"/>	<input type="radio"/>

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents as a student in Engineering? = Have you ever been sexually harassed <u>by another student</u>? [Yes]

Q200 How often have you been sexually harassed by another student?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents as a student in Engineering? = Have you ever been harassed <u>by another student</u> because of your race or ethnicity? [Yes]

Q201 How often have you been harassed by another student because of your race or ethnicity?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

Display This Question:

If Have you ever directly experienced any of the following incidents as a student in Engineering? = Have you ever been harassed <u>by another student</u> because of your sexual orientation? [Yes]

Q202 How often have you been harassed by another student because of your sexual orientation?

- Rarely (1)
- Sometimes (2)
- Usually (3)
- All the time (4)

Page Break

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Q203 What other comments do you have about your experiences in the College of
Engineering?

Page Break

End of Block: EXPERIENCES IN THE COLLEGE OF ENGINEERING

Start of Block: ENGINEERING STUDENT ORGANIZATIONS

Q204 ENGINEERING STUDENT ORGANIZATIONS For the next questions, please tell us about all the organizations, programs, and activities you have taken part in as a student at the University of Wisconsin-Madison.

Q205

First, in which if any of the following Engineering Honors Programs have you participated?

Check all that apply.

- None (14)
 - Alpha Pi Mu (15)
 - Pi Tau Sigma (16)
 - Tau Beta Pi (17)
 - Other programs, please tell us: (18)
-

Page Break

Q206 Next, in which if any of the following Engineering Student Societies have you participated as a student at UW-Madison?

Check all that apply.

- None (18)
- American Indian Science & Engineering Society (19)
- National Society of Black Engineers – Wisconsin Black Engineering Student Society (20)
- Society of Hispanic Professional Engineers (21)
- Society of Women Engineers (22)
- Alpha Omega Epsilon (23)
- Theta Tau - Xi Chapter (24)
- Triangle Fraternity - Delta Chapter (25)
- Other student societies, please tell us: (26)

Page Break

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Q207

In which if any of the following Extracurricular Engineering Projects have you participated as a student at UW-Madison?

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Check all that apply.

- None (89)
- Concrete Canoe Team (90)
- Badgerloop (91)
- Formula SAE (92)
- Formula SAE Electric (93)
- Human Powered Vehicle Team (94)
- Hybrid Vehicle Team (95)
- SAE Clean Snowmobile Team - IC & ZE (96)
- SAE Baja Team (97)
- Steel Bridge Team (98)
- Wisconsin Robotics (99)
- Wiscwind (100)
- Engineering EXPO (101)
- Engineers Without Borders (102)
- Engineering World Health (103)
- American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) (104)
- Badger Amateur Radio Society (105)

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- Badger Ballistics (106)
- Construction Club (107)
- Energy Hub (eHub) (108)
- Engineers for a Sustainable World (109)
- Engineers in Business (110)
- Enlight Fountain Control Group (111)
- Environmental Engineering Club (112)
- Insight Wisconsin (113)
- National Organization for Business & Engineering (114)
- Transcend Engineering (115)
- Wisconsin Engineer Magazine (116)
- Wisconsin Engineering Student Council (117)
- Other projects, please tell us: (118)

Page Break

Q208 Next, in which if any of the following Professional Engineering Associations have you participated as a student at UW-Madison?

Check all that apply.

- None (29)
- American Institute of Aeronautics and Astronautics (30)
- American Institute of Chemical Engineers (31)
- American Nuclear Society (32)
- American Society of Civil Engineers (33)
- American Society of Mechanical Engineers (34)
- Biomedical Engineering Society (35)
- Biomedical Engineering Graduate Student Association (36)
- Geological Engineering Student Chapter (37)
- Human Factors and Ergonomics Society (38)
- Institute of Electrical and Electronic Engineers (39)
- Institute of Industrial Engineers (40)
- Material Advantage (41)
- Society of Plastics Engineers (42)
- Other professional associations societies, please tell us: (43)

End of Block: ENGINEERING STUDENT ORGANIZATIONS

Start of Block: Demographics

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Q209 BACKGROUND QUESTIONS

Finally, we have some questions about your background.

Q210 Prior to beginning college, did you take any high school engineering courses?

Yes (1)

No (2)

Page Break

Q211 What is your current UW cumulative grade point average (GPA), using a 4 point scale?

- 0.00-0.50 (1)
 - 0.51-1.00 (2)
 - 1.01-1.50 (3)
 - 1.51-2.00 (4)
 - 2.01-2.50 (5)
 - 2.51-3.00 (6)
 - 3.01-3.50 (7)
 - 3.51-4.00 (8)
-

Q212 What was your approximate High School cumulative grade point average (GPA), using a 4 point scale?

- 0.00-0.50 (1)
- 0.51-1.00 (2)
- 1.01-1.50 (3)
- 1.51-2.00 (4)
- 2.01-2.50 (5)
- 2.51-3.00 (6)
- 3.01-3.50 (7)
- 3.51-4.00 (8)

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Page Break

Q213 For tuition purposes, are you considered an in-state or out-of-state resident?

- In-state or Minnesota resident (1)
 - Out-of-state resident or international student (2)
-

Q214 Are you a US citizen, permanent resident or international student?

- US Citizen (1)
 - Permanent resident (2)
 - International student (3)
-

Page Break

Display This Question:

If Are you a US citizen, permanent resident or international student? = US Citizen

Q215 Are you a first generation US citizen?

Yes (1)

No (2)

Q216 Do you identify as a person with a disability?

Yes (1)

No (2)

Page Break

Q217 Do you have at least one parent or guardian who raised you who completed a bachelor's degree?

Yes (1)

No (2)

Q218 Which of the following have you used to pay for your college education?

Have you used...	Yes (1)	No (2)
...personal earnings or savings? (1)	<input type="radio"/>	<input type="radio"/>
...parent or family earnings or savings? (2)	<input type="radio"/>	<input type="radio"/>
...spouse or partner's earnings or savings? (3)	<input type="radio"/>	<input type="radio"/>
...University or College Scholarships? (4)	<input type="radio"/>	<input type="radio"/>
...private loans? (5)	<input type="radio"/>	<input type="radio"/>
...Federal loans? (6)	<input type="radio"/>	<input type="radio"/>
...funds sponsored by an employer or other organization? (7)	<input type="radio"/>	<input type="radio"/>
...grants? (8)	<input type="radio"/>	<input type="radio"/>

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Q219 This academic year, about how many hours per week have you worked for pay while
taking classes?

Page Break

Q220 What is your age?

- < 18 (1)
- 18 (2)
- 19 (3)
- 20 (4)
- 21 (5)
- 22 (6)
- 23 (7)
- 24 (8)
- 25 (9)
- 26 (10)
- 27 (11)
- 28 (12)
- 29+ (13)

Page Break

Q221 What was your sex assigned at birth?

- Male (1)
 - Female (2)
 - Intersex or other (3)
-

Q222 What gender do you identify yourself with now?

- Male (1)
 - Female (2)
 - Other (3)
-

Page Break

Q223 Do you identify as a lesbian, gay, bisexual, queer or questioning, transgender or transsexual (LGBTQ+) person?

Yes (1)

No (2)

Page Break

Q224 With which of the following racial or ethnic groups do you identify? *Check all that apply.*

- African American (1)
 - American Indian or Alaska Native (2)
 - Pacific Islander or Native Hawaiian (3)
 - Southeast Asian such as Cambodian, Vietnamese, Laotian or Hmong (4)
 - Asian or Asian American, other than Southeast Asian (5)
 - Chicano(a), Latino(a), or Hispanic (6)
 - Middle Eastern (7)
 - White of European Descent (8)
 - Multiracial or biracial (9)
 - Not listed, please tell us: (10)
-

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Q225

You have reached the end of the survey!

If you would like to be entered in the prize lottery for a chance to win \$200, please leave your name and email address in the boxes below and you will be contacted after the survey is completed if you are a winner.

Name (1) _____

Email (2) _____

Page Break _____

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Q226

You entered:

[\\${Q225/ChoiceGroup/AllChoicesTextEntry}](#)

If you made a mistake, please use the Back button below to correct your name or email. If your name and email are correct, please select Submit below and click next to finalize your response.

Thank you for your input!

Submit (1)

Page Break

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End of Block: Demographics
