Survey Executive Summary

Mission
A primary mission of the Student Engineers’ Council is to serve as the representative voice for the students within the College of Engineering.

Purpose
This survey exists to embody and communicate the student perspective with the administration of the College of Engineering.

Open-Ended Questions
Questions labeled “Free Response” allowed for open-ended student responses. These responses were read by members of SEC’s Legislation committee and sorted into representative categories.

Productive Feedback
This survey features some questions that focus specifically on students’ negative feedback. This is intended as helpful, productive information highlighting areas for improvement.

Survey Response Summary

Part I: Entry Survey
2.5-Week Survey Period
October 9 – October 26, 2018
1184 Total Responses
29% of First-Year Student Body

Part II: Exit Survey
2-Week Survey Period
March 28 – April 12, 2019
936 Total Responses
25% of First-Year Student Body
Entry Questions
Appeared on only the Entry Survey

Responses: 1143
What classes did you take in high school? (select all that apply)

Responses: 1184
What college classes have/will you accept high school credit for? (select all that apply)

Responses: 1145
Did you participate in any STEM-related extracurricular activities in high school?
Comparison with Fall 2017 Entry Survey

Did you participate in any STEM-related extracurricular activities in high school?

Entry Survey 2017

- Yes: 51.00%
- No: 49.00%

Entry Survey 2018

- Yes: 39.00%
- No: 61.00%

Responses: 1145

How much prior programming experience do you have?

- A lot: 8.21%
- A moderate amount: 21.05%
- A little: 33.28%
- Not at all: 37.47%

Comparison with Fall 2017 Entry Survey

How much prior programming experience do you have?

Asked to students with some programming experience

Responses: 716

How did you gain your programming experience? (check all that apply)

- High School Classes: 80.11%
- Self-Teaching: 41.47%
- High School Extracurriculars: 27.06%
- Family Members: 8.48%
- Other: 5.84%
What made you choose Engineering? (select all that apply)

- Personal interest: 86.19%
- Problem solving: 72.05%
- Job stability: 67.97%
- High salary: 58.28%
- Relatives in the field: 33.07%
- Pressure from family: 10.68%
- Other: 3.35%

Why did you choose Texas A&M Engineering? (select all that apply)

- Reputation: 81.18%
- Ranking: 67.99%
- Location: 57.68%
- Family: 29.23%
- Scholarships: 23.92%
- Entry into a major process: 15.48%
- Other: 3.33%

Did you attend the New Student Conference (NSC)?

- Yes: 96%
- No: 4%

Open-Ended: What were the biggest strengths of the NSC? What did you find most helpful?

- Information provided about classes/culture: 433
- Experience of the NSC: 132
- Teaches about A&M culture: 112
- The social benefits: 78
**Open-Ended: What information do you wish had been given during your NSC?**

- Course selection/scheduling: 221
- Campus facilities: 105
- Class content: 104
- Satisfied with information given: 102
- Major-specific information: 87
- Academic programs/organizations: 70
- Other: 77

**Open-Ended: Do you have any additional comments or suggestions regarding your NSC?**

- Unnecessary information: 20
- Registration was stressful: 28
- Enjoyed it: 27
- Advisors were unhelpful: 23
- Length: 18
- Social Events: 11

**Did you take the Math Placement Exam (MPE) at your NSC?**

- Yes: 97.13%
- No: 2.86%

**Was the MPE information provided before your NSC sufficient?**

- Yes: 85.33%
- No: 14.67%
Was the MPE information provided after your NSC sufficient?

- Yes: 90.35%
- No: 9.65%

Open-Ended: What additional MPE information would have been helpful?

- No additional information: 225
- Additional review resources: 66
- Topics covered on exam: 91
- Methods of taking exam: 63
- Other: 84

Open-Ended: How, if at all, did taking the MPE during your NSC affect your performance?

- Helped performance: 311
- Did not affect performance: 338
- Hindered performance: 99

Open-Ended: What recommendations (regarding MPE preparation) do you have for prospective students who will be taking the MPE during their NSC in Summer 2019?

- MPE Practice Test: 128
- Study diligently: 122
- Review high school material: 74
- Personalized Preparatory program: 8
- Other: 27
Responses: 995

What are you most concerned/worried about regarding your first year in engineering (select all that apply)

Responses: 773

Open-Ended: As a first-year engineering student at Texas A&M University, what resources/programs/services are helping you adjust to the College of Engineering?

Responses: 633

Open-Ended: As a first-year engineering student at Texas A&M University, what trainings/workshops/programs/services/popup-classes would be most helpful for you?
Responses: 995

Have you decided on an engineering discipline in which you would like to major in?

- Yes: 74.87%
- No: 4.53%
- Unsure: 20.60%

Responses: 709

(Entry) How would you describe your comfort level with programming?

- Very comfortable: 20.45%
- Somewhat comfortable: 38.50%
- Neither: 21.72%
- Somewhat uncomfortable: 13.06%
- Very uncomfortable: 5.84%

Responses: 1049

(Entry) List the two courses from the general engineering curriculum that you are most concerned or worried about.

As asked to students enrolled in ENGR 102

Responses: 415

(Entry) What do you hope to gain from ENGR 102? (select all that apply)

- Programming skills: 66.40%
- Knowledge of engineering majors: 88.81%
- Projects/group experience: 88.27%
- Exposure to engineering in the workplace: 55.03%
- Understanding of engineering ethics: 38.55%
- Other: 1.02%
**2018-2019 First-Year Engineering Student Survey**

**Asked to students enrolled in CLEN 289**
**Responses: 332**

(Entry) What do you hope to gain from CLEN 289? (select all that apply)

**Responses: 966**

(Entry) What academic support services have you heard of? (select all that apply)

(Entry) Of the resources that you are aware, how often have you used these resources so far?

(Entry) Have you decided on an engineering discipline in which you would like to major in?
(Entry) What is your first choice major?

- Civil Engineering: 21.08%
- Mechanical Engineering: 14.83%
- Electrical Engineering: 12.01%
- Aerospace Engineering: 11.60%
- Chemical Engineering: 10.60%
- Computer Engineering: 7.64%
- Electrical & Systems Engineering: 6.89%
- Mechanical Engineering: 6.08%
- Industrial Engineering: 5.01%
- Material Science & Engineering: 1.30%
- Nuclear Engineering: 1.27%
- Petroleum Engineering: 1.00%
- Ocean Engineering: 0.85%
- Agricultural Engineering: 0.85%
- Environmental Engineering: 0.74%
- Other: 0.65%
- Undeclared: <1%
- Not Participated: <1%

(Entry) How certain are you in your decision?

- Very certain: 45.50%
- Somewhat certain: 42.08%
- Neither certain nor uncertain: 6.87%
- Somewhat uncertain: 3.50%
- Very uncertain: 1.27%

(Entry) Please indicate the extent to which you agree or disagree with the following statements:

- I feel a sense of belonging within the College of Engineering: 20.04%
- I am meeting as many people and making as many friends as I want in the College of Engineering at Texas A&M: 48.60%
- I have a close friend or classmate whom I can turn to if I need support: 24.62%
- If I have to miss class, I have someone who will share their notes with me: 24.21%
- Strongly agree: 16.17%
- Agree: 33.57%
- Neither agree nor disagree: 41.30%
- Disagree: 42.43%
- Strongly disagree: 37.54%
- Strongly agree: 11.92%
- Agree: 14.55%
- Neither agree nor disagree: 8.78%
- Disagree: 4.05%
- Strongly disagree: 9.69%