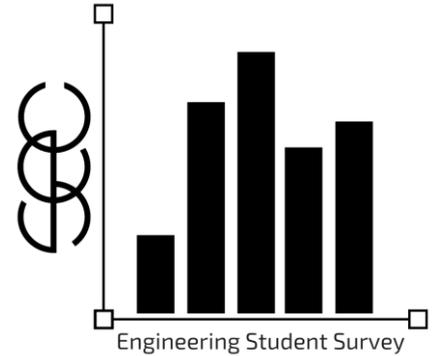


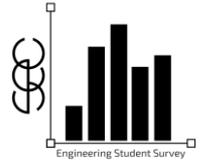
# ENGINEERING STUDENT SURVEY



## Results Presentation

February 13th, 2025

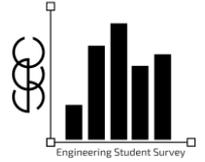
# Survey Executive Summary



## Mission

One of the three primary missions of the Student Engineers' Council is to serve as a representative voice for the students within the College of Engineering. This survey seeks to communicate the student perspective to College of Engineering administration.

# Survey Executive Summary



## Survey Restructuring

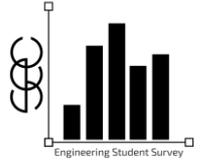
### Section edits:

- Consolidated Career Fair Section
- Adjustments of Community and Belonging Section

### Handout:

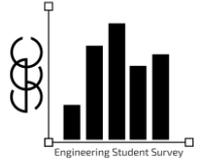
- Demographics section is provided in the handout.
- A summary of highlights from each section is provided in the handout.

# Survey Question Breakdown



Introduction/Demographic Questions	Slide 07
Engineering Student Organization Questions	Slide 18
Undergraduate Student Questions	Slide 23
ETAM Questions	Slide 39
Graduate Student Questions	Slide 46
Post-Graduation Questions	Slide 54
Internship and Professional Experiences Questions	Slide 60
Career Fair Questions	Slide 69
Mental Health Questions	Slide 78
Community & Belonging Questions	Slide 85
International Experience Questions	Slide 99

# Survey Response Summary



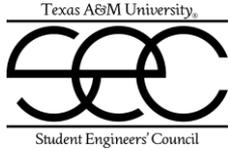
## 6-Week Survey Period

October 28th, 2024 – December 10th, 2024

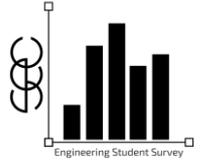
## 3,267 Total Respondents

~14% of Engineering Student Body

(78% from Undergraduate Students + 22% from Graduate Students)



# Special Thanks



*Dr. Andrea M. Ogilvie, Assistant Dean for Student Success*

*Dr. Angie Hill Price, Associate Dean for Undergraduate Programs*

*Dr. Harry Hogan, Senior Associate Dean for Academic Affairs, SEC Advisor*

*Megha Subhash, SEC President*

*Sean Bolger, SEC VP Internal*

# Introduction/Demographic Questions

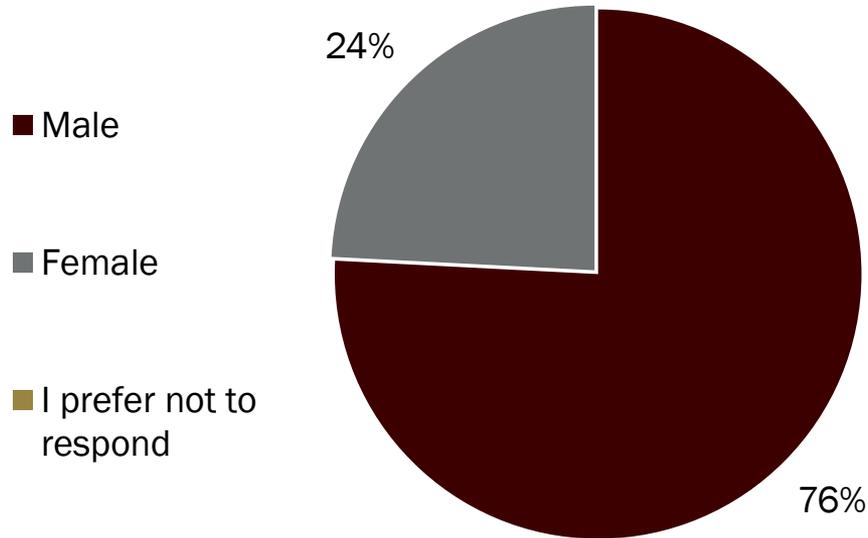
Asked to all students



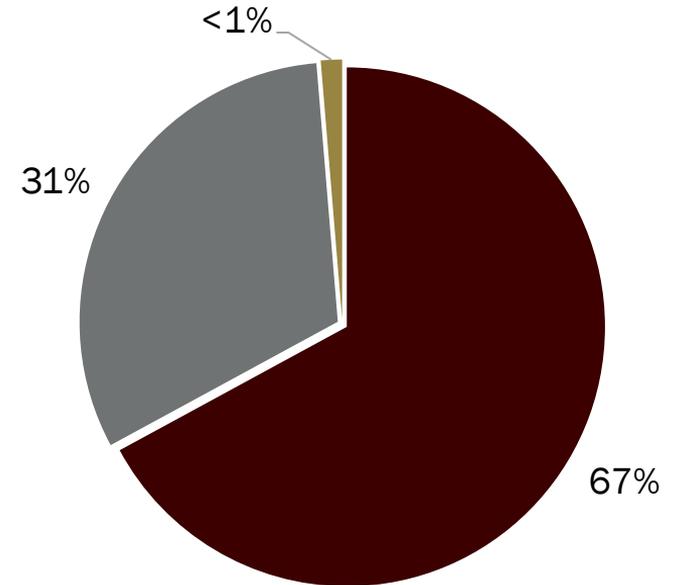
Responses: 3267

What gender do you identify as?

College of Engineering:

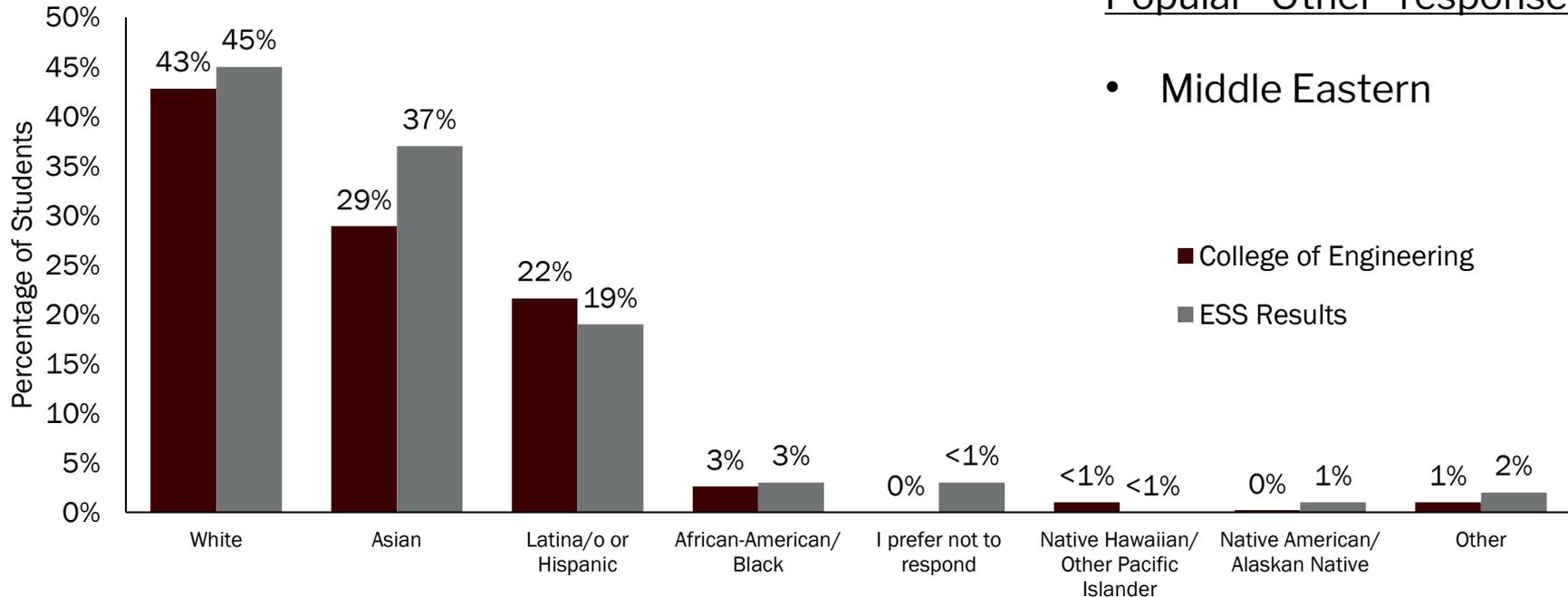


ESS Results:



Responses: 3602

Race/Ethnic Identification: (*select all that apply*)



Popular "Other" responses:

- Middle Eastern

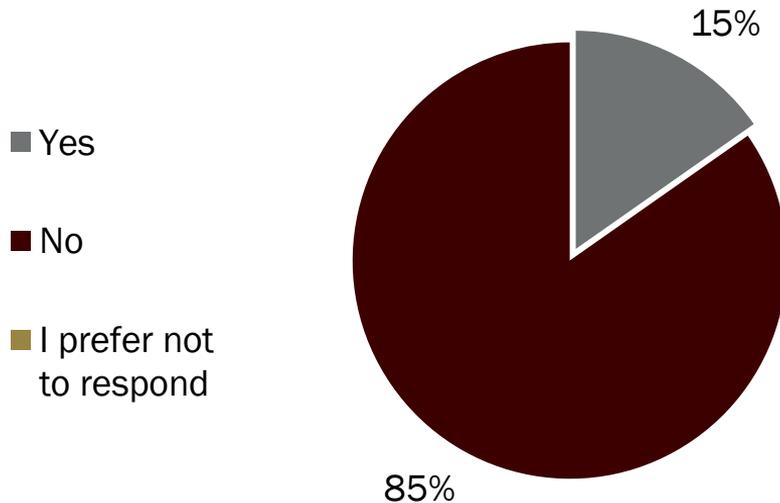


Responses: 3267

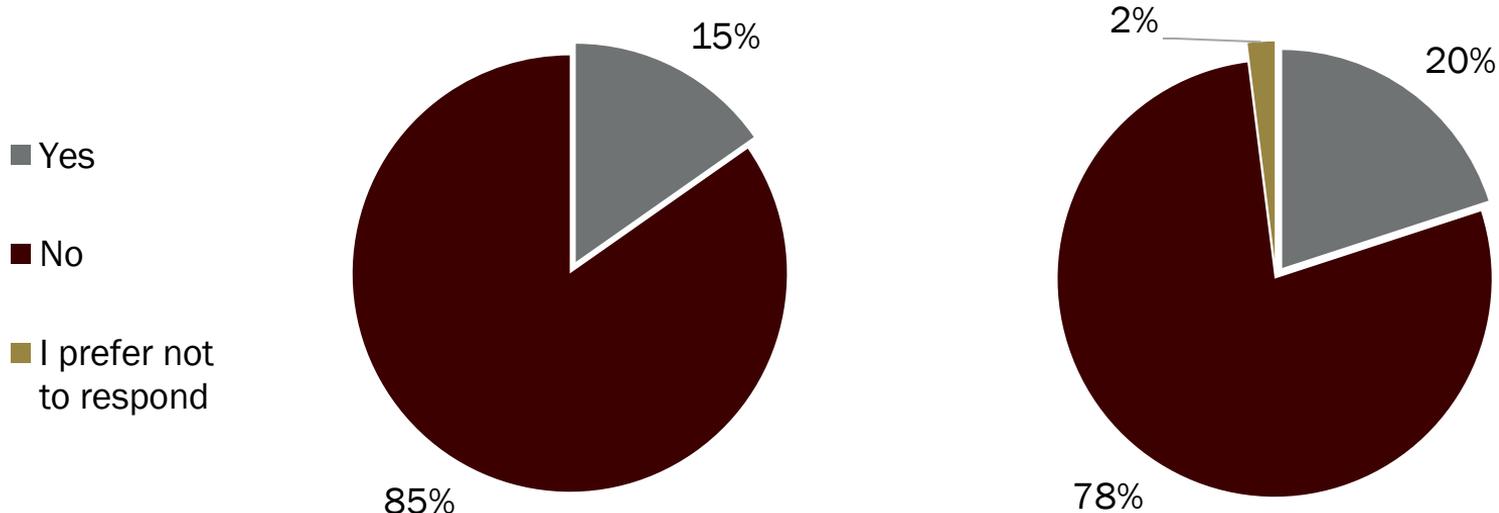
## Are you a first-generation college student?\*

\*The U.S. Department of Education defines a first-generation college student as a person "whose parents both have had no postsecondary education experience and have a high school education or a lower level of educational attainment." (<https://nces.ed.gov/pubs2018/2018009.pdf>)

College of Engineering:



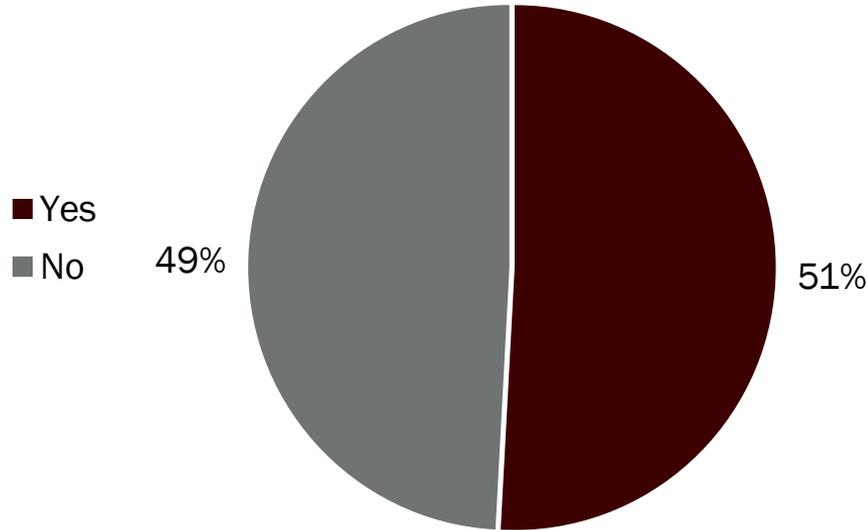
ESS Results:



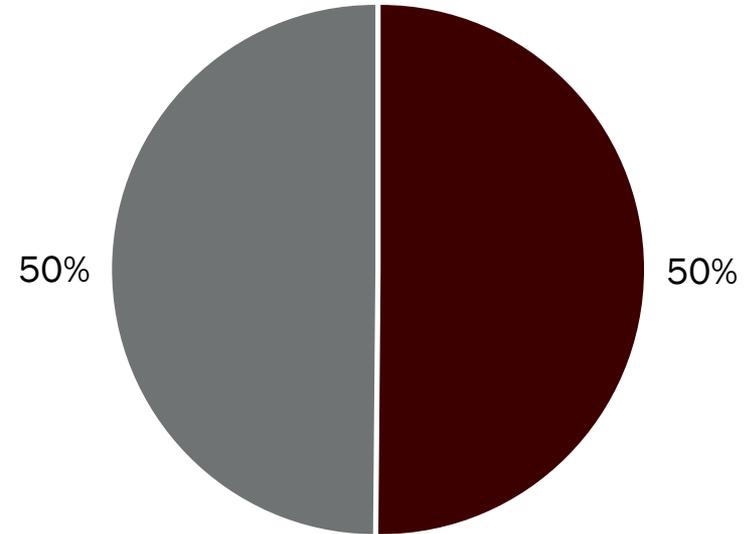
Responses: 3267

Are you the first member of your family to study/ have a career in engineering?

2023:



2024:

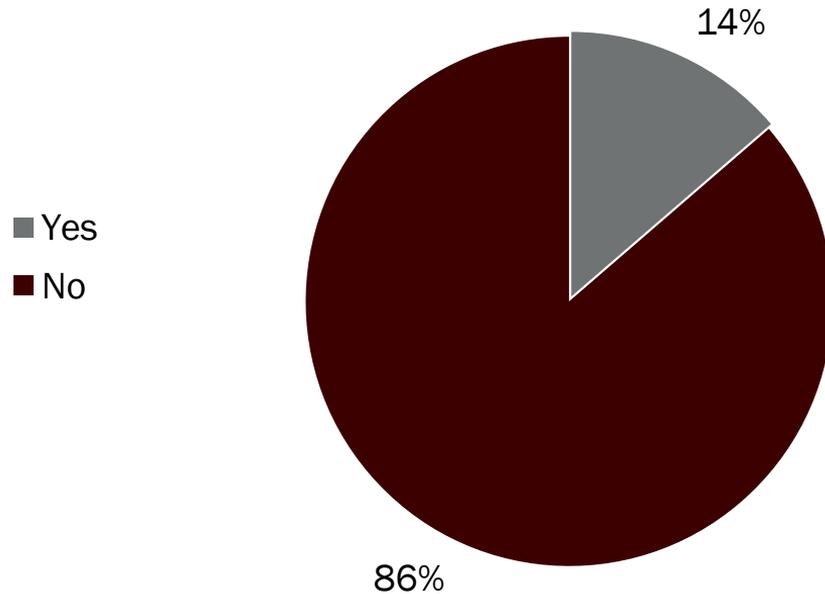




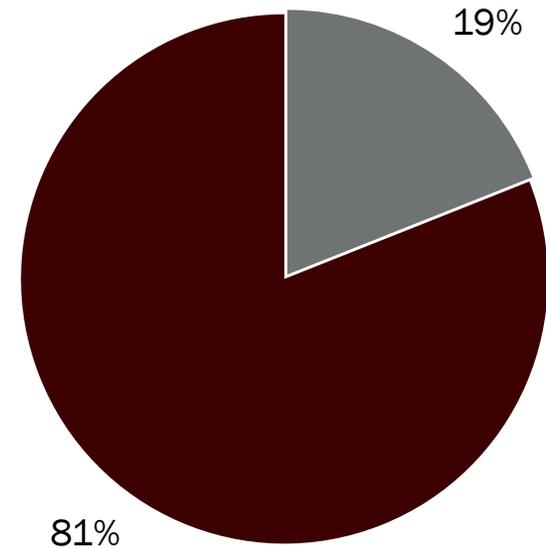
Responses: 3267

Are you an international student?

College of Engineering:

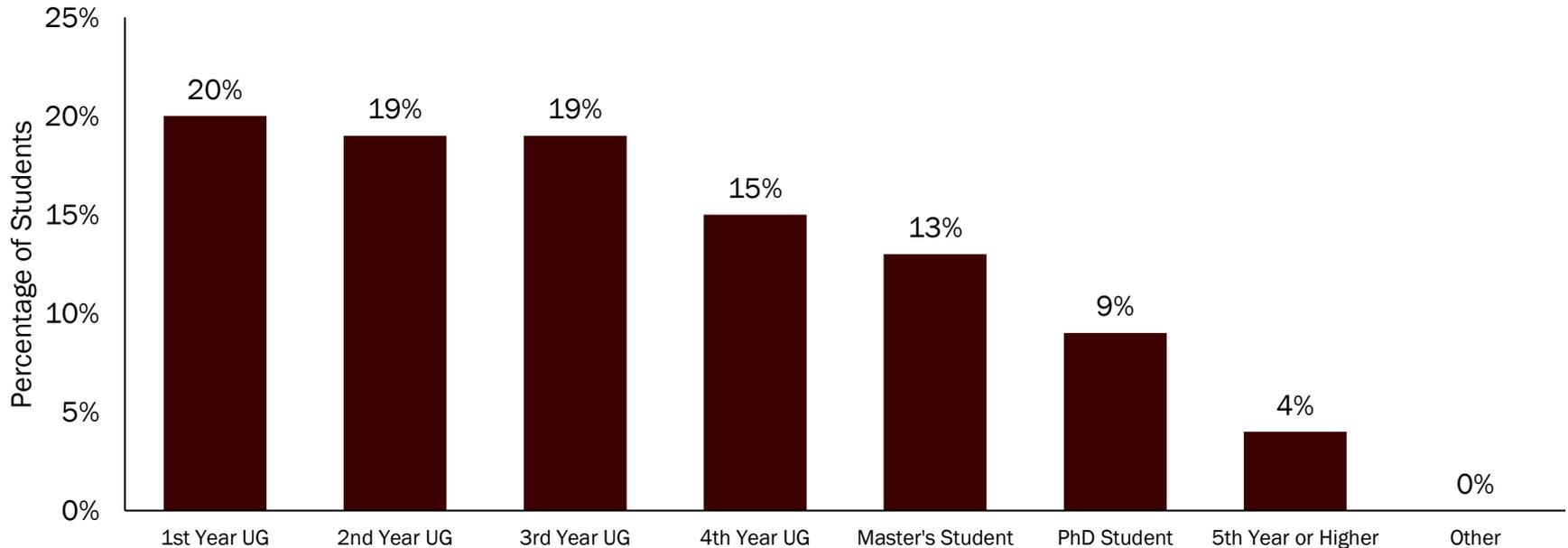


ESS Results:



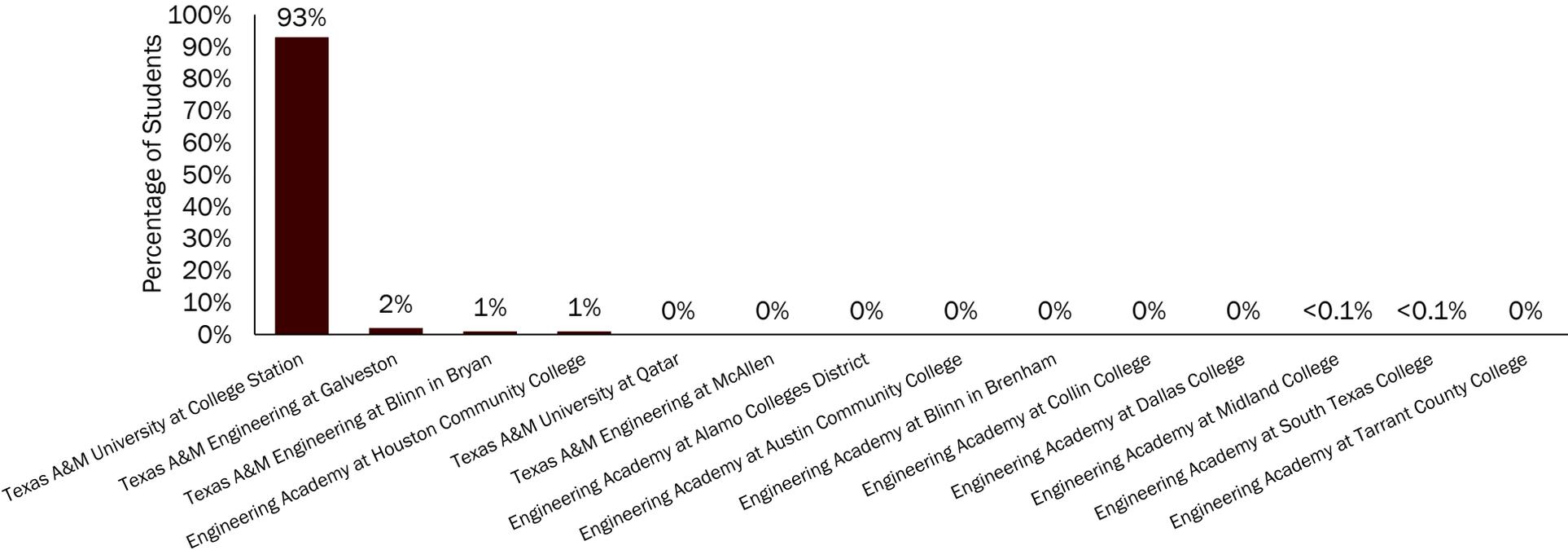
Responses: 3267

Which of the following most accurately represents your class year at Texas A&M University?



Responses: 3267

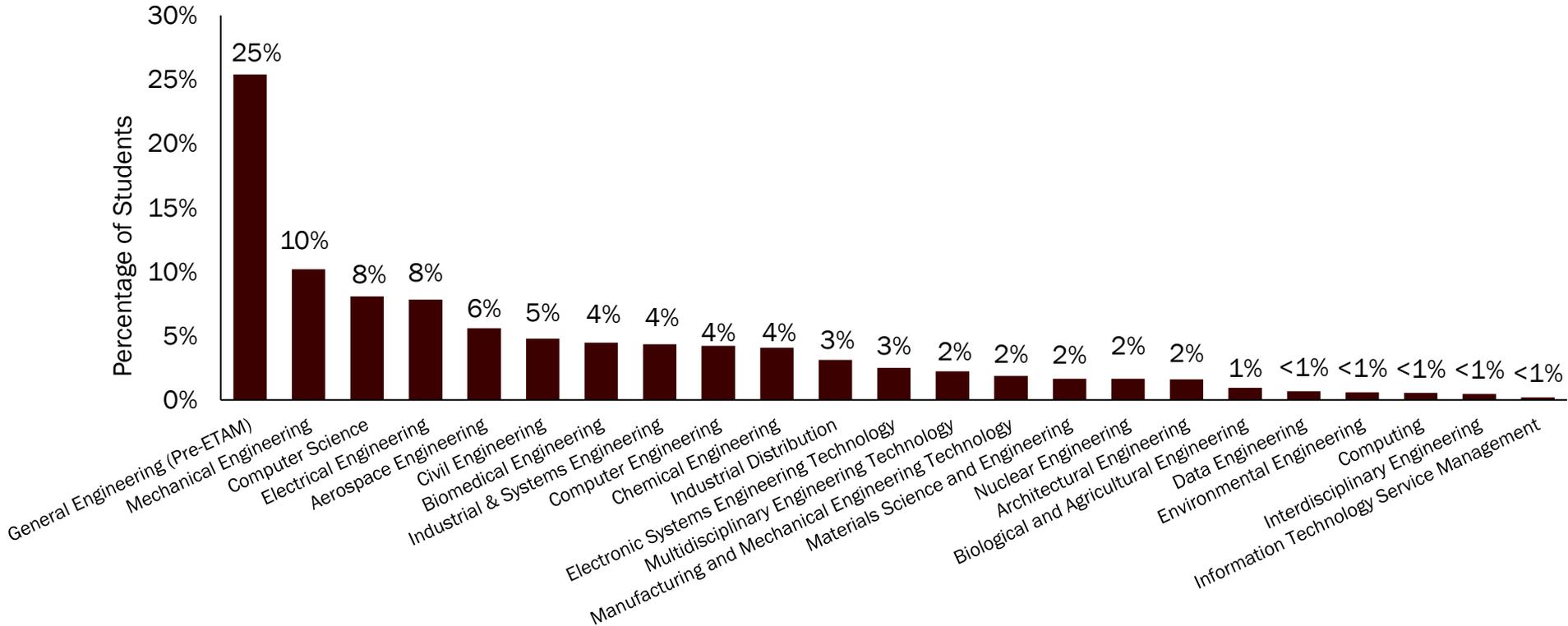
At which campus do you currently take the majority of your courses?



Responses: 2552



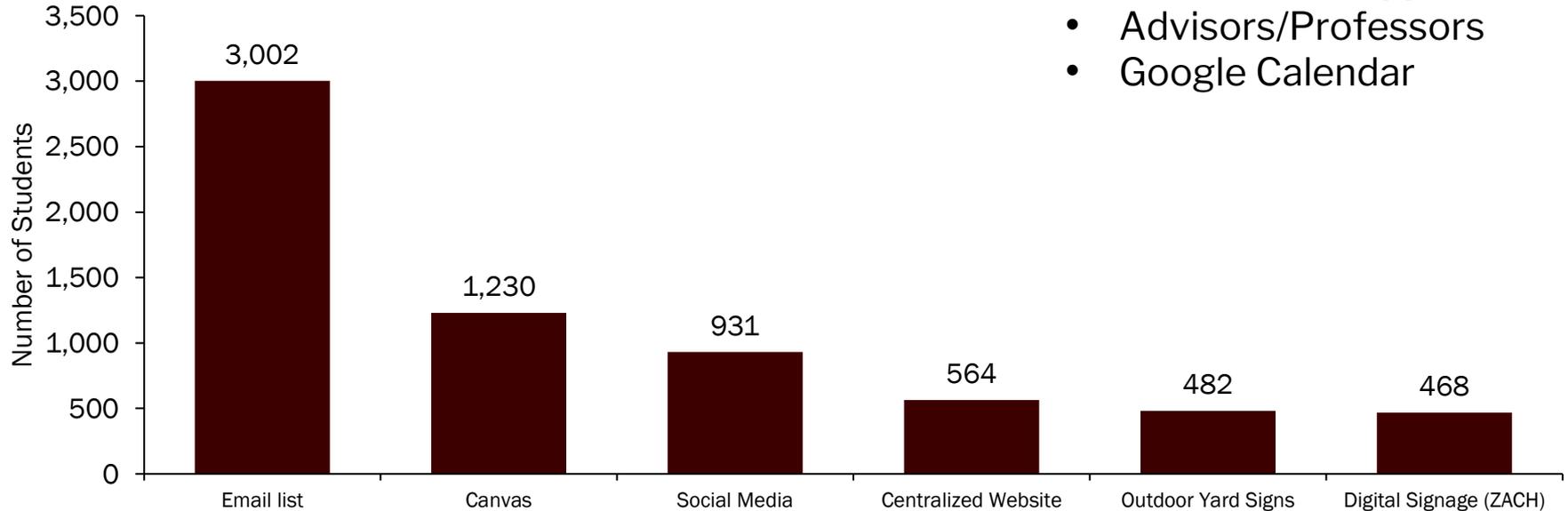
# What is your Major of Study?





Responses: 6724

How would you prefer to receive information about events, scholarships, career opportunities, and other general information from the College of Engineering?  
*(select all that apply)*



Other Student Suggestions:

- Advisors/Professors
- Google Calendar

Questions?

# Engineering Student Organization Questions

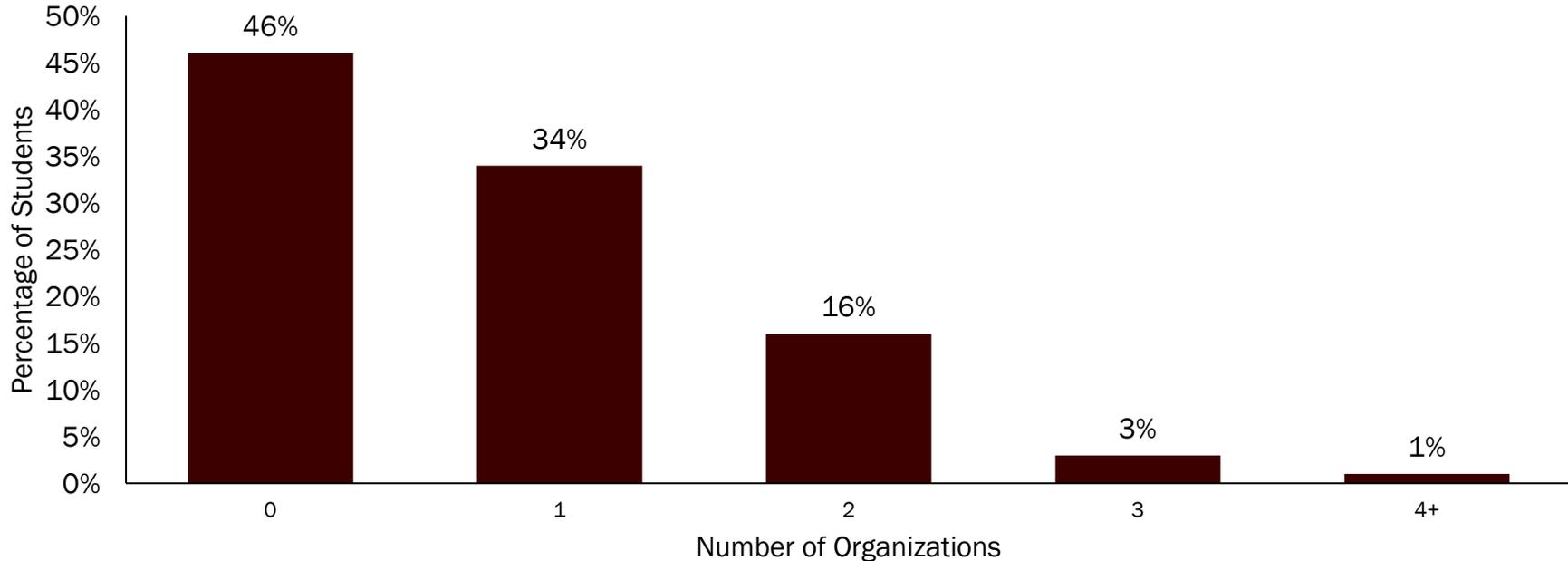
Asked to all students



Responses: 3267

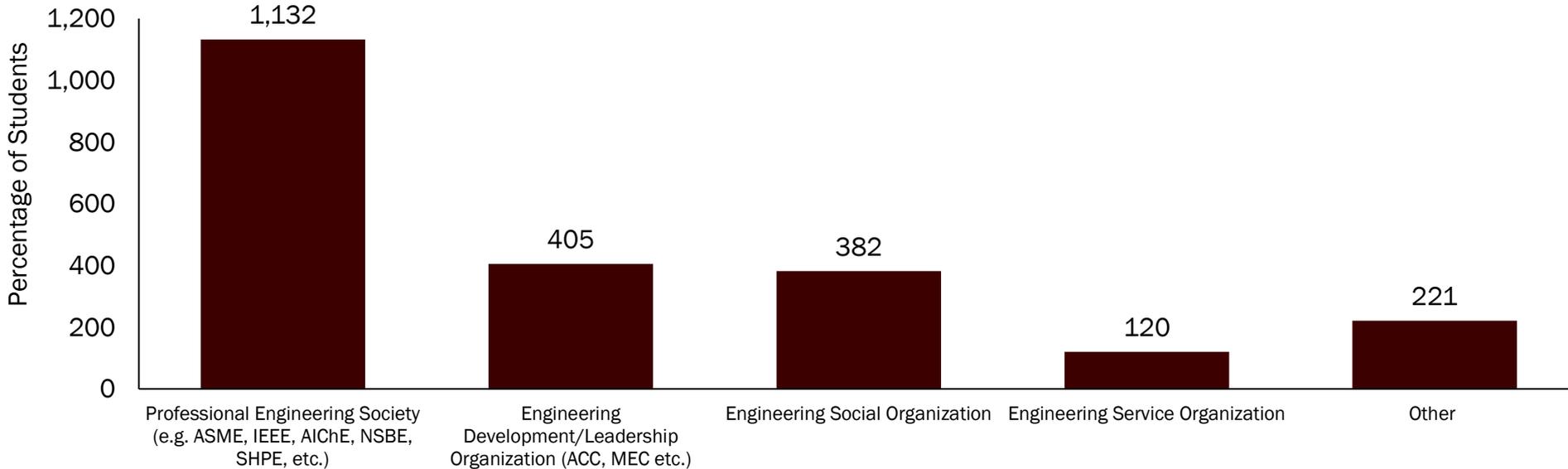
## How many Engineering Student Organizations (ESOs) and/or Engineering Societies are you currently involved in?

\*An ESO is defined as an organization that is recognized by StuAct or the COE as an Engineering Organization.



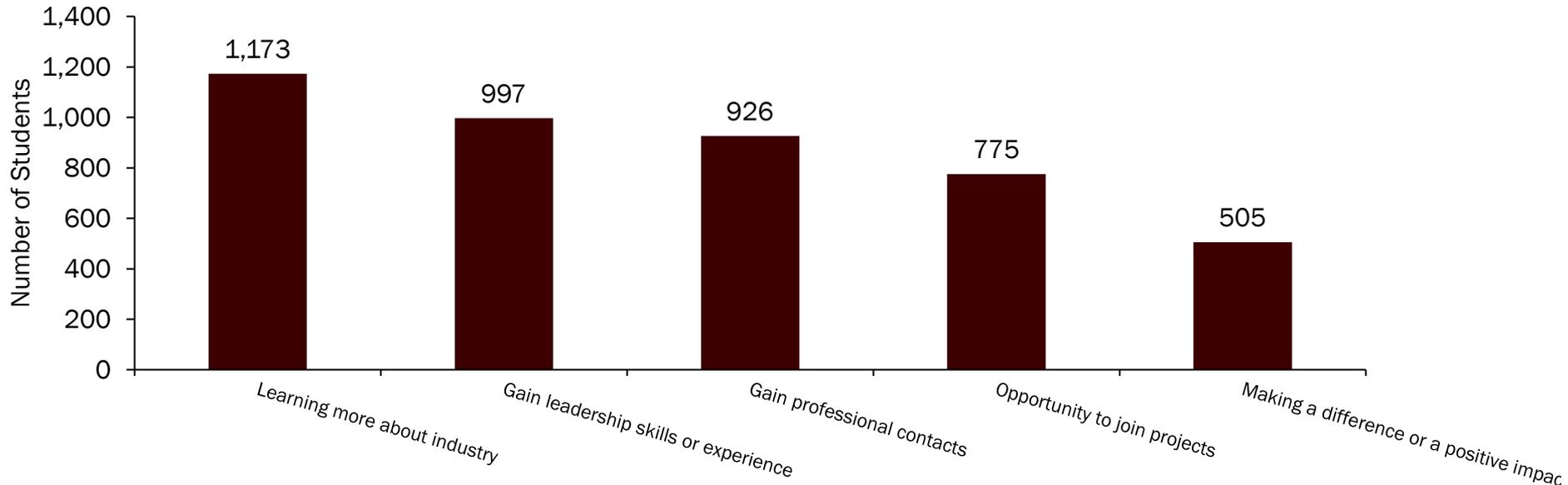
Asked to students who are involved in 1+ organization(s)  
Responses: 2260

What type of Engineering Student Organizations (ESOs) and/or Engineering Societies are you involved in? (select all that apply)



Asked to students who are involved in 1+ organization(s)  
Responses: 1754

Why did you become involved in your Engineering Student Organization(s)?  
(select all that apply)



Questions?

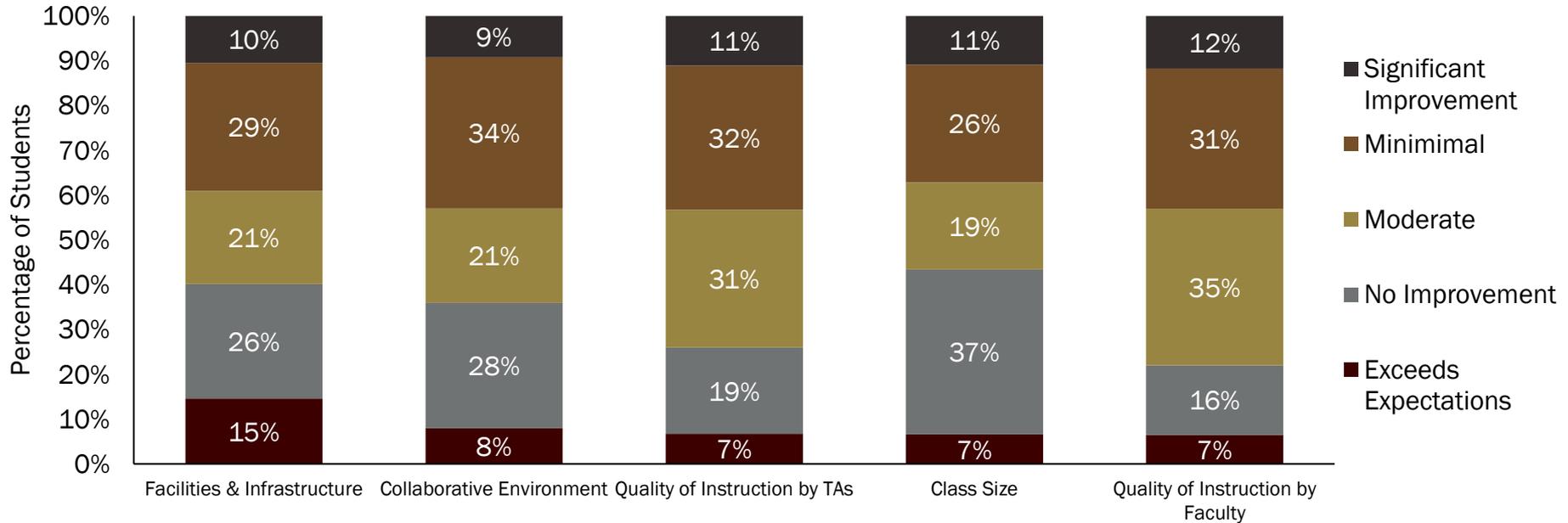
# Undergraduate Student Questions

Asked to undergraduate students only



Responses: 3267

Please indicate, for each College of Engineering attribute, the level of improvement you believe is necessary.





Responses: 1183

Please elaborate on how you believe the attributes above could be improved.  
(*open ended*)

### Improved Selection of Professors and TAs

- “Some faculty do not know how to effectively communicate their research/course material/etc. to students in a manner that is engaging and interesting.”
- “**Quality of instruction** by faculty heavily **varies** from teacher to teacher.”

### Class Sizes Too Large

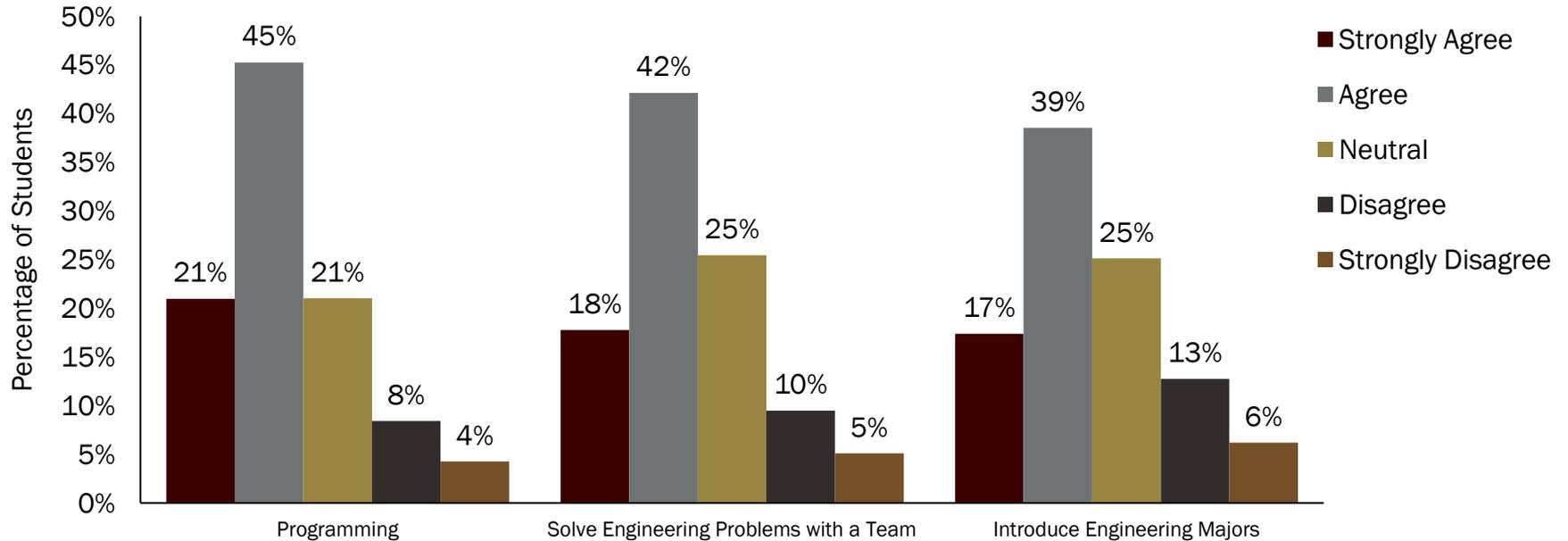
- “**Class sizes are very large**, which makes it difficult to connect with professors.”
- “Reducing (class size) would likely improve instruction quality and overall learning.”

### Facilities

- “I love the classrooms especially at ZACH.”
- “There should be **more facilities like the FEDC** where students can collaborate on projects.”
- “The **older buildings** are often **falling apart**.”

Asked to non-first year undergraduate students  
Responses: 2116

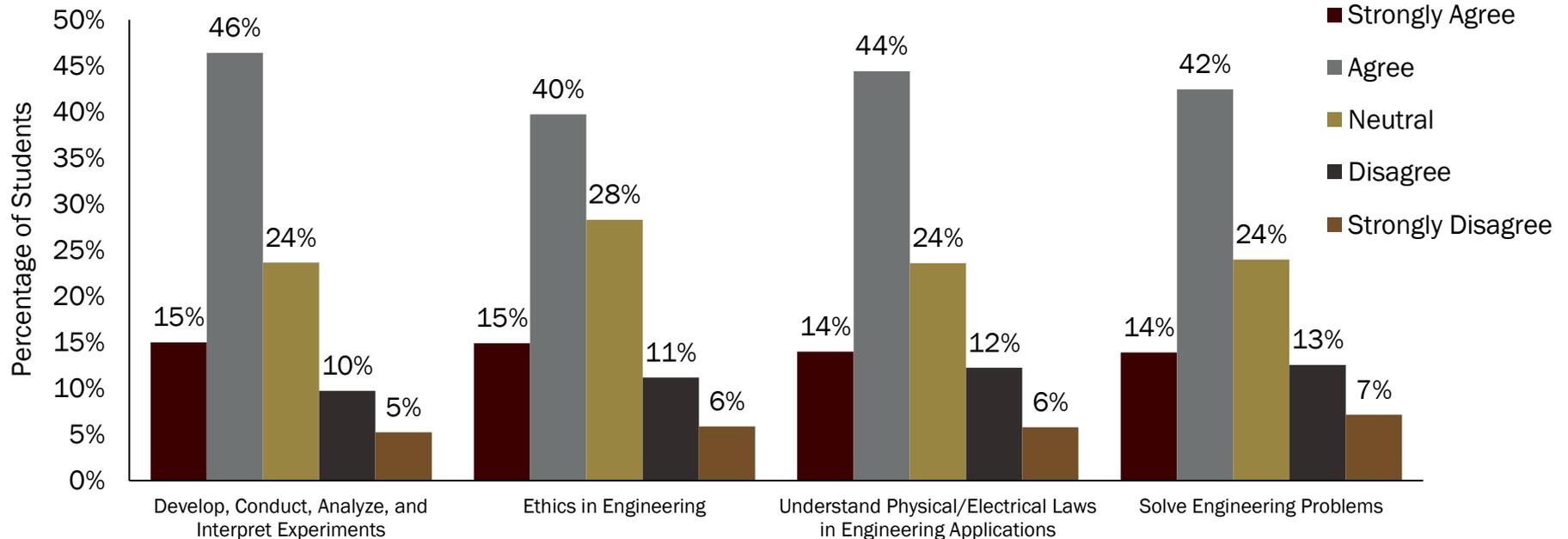
My ENGR 102 coursework adequately prepared me to be an upper level engineering major in the following ways.



# Asked to non-first year undergraduate students

## Responses: 2063

My ENGR 216 and 217 adequately prepared me to be an upper-level engineering major in the following ways.



Asked to non-first year undergraduate students  
Responses: 610



**ENGINEERING**  
TEXAS A&M UNIVERSITY

Please elaborate on how the coursework did or did not adequately prepare you to be an upper-level engineering major. (*open ended*)

### ENGR 102

- “102 did a poor job of encouraging group involvement. Instead, the **best programming person just did all of the work.**”
- “ENGR 102 was a **good introduction to programming.**”

### ENGR 216/217

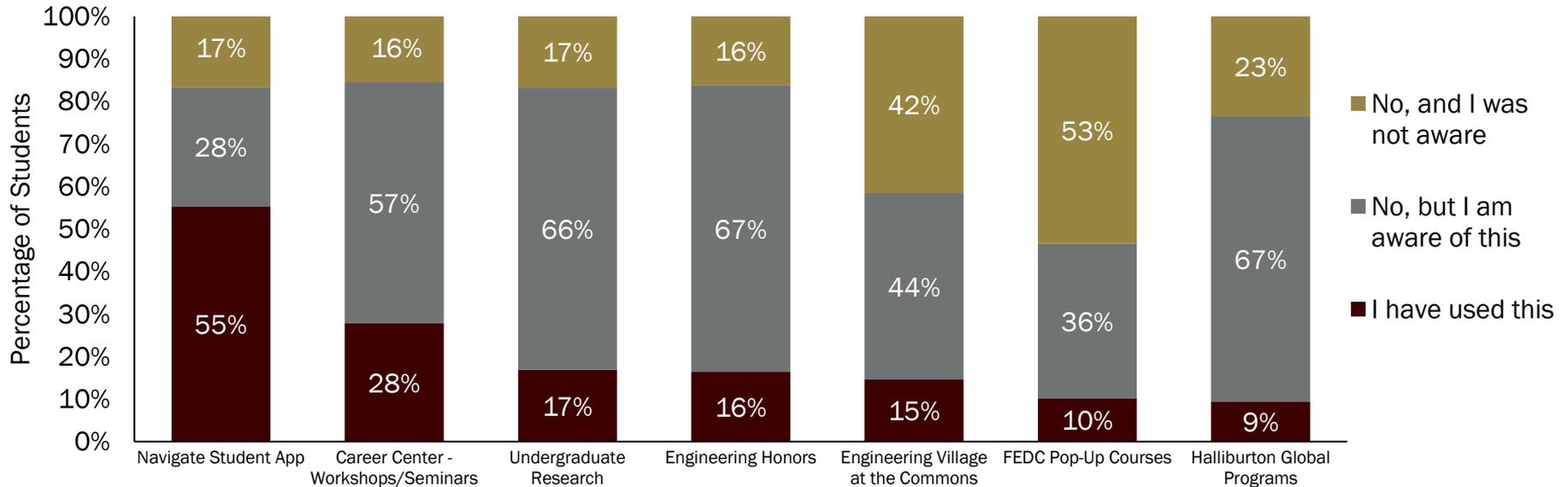
- “I do not use anything I learned in 216/217.”
- “ENGR 216/217 **didn't have a focus** and felt like I never learned anything.”
- “ENGR 216/217 felt more of just completing labs. There were some **disconnect between the labs and real-world applications.**”

Responses: 3267



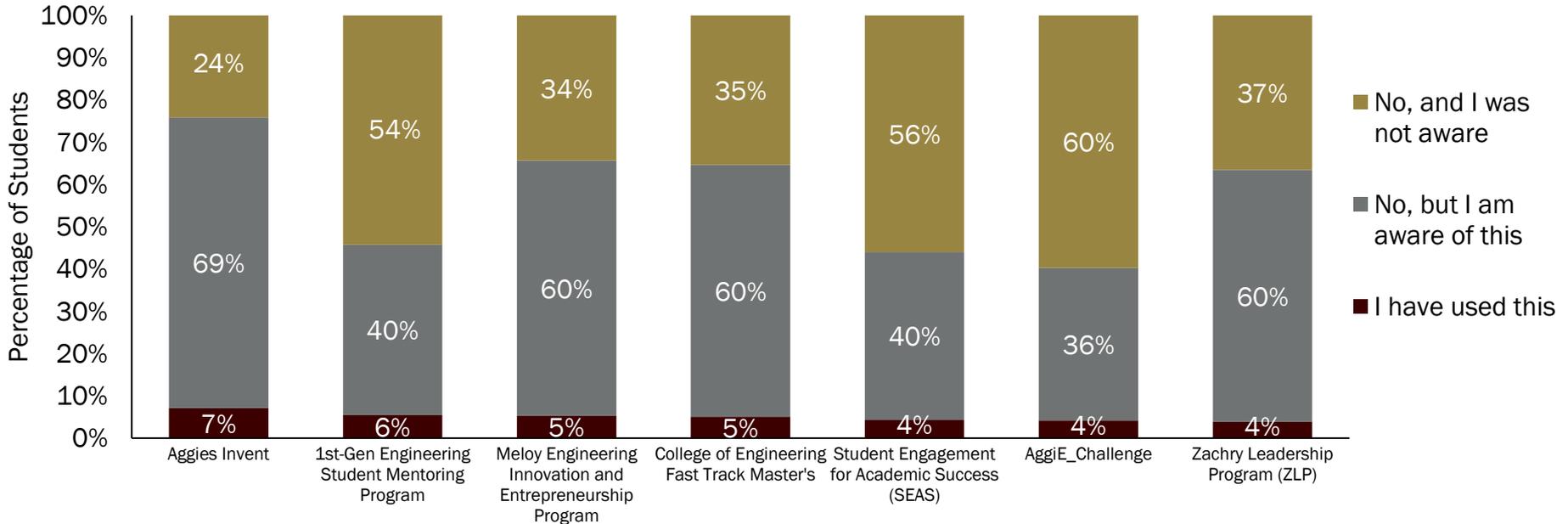
Have you used or participated in the following Programs and/or High-Impact Experiences during your time in the College of Engineering?

Notable increase in Navigate usage and awareness



Responses: 3267

Have you used or participated in the following Programs and/or High-Impact Experiences during your time in the College of Engineering?





Responses: 400

What suggestions do you have to improve the Programs and/or High Impact Experiences above? (*open ended*)

### More awareness for programs

- "Increase the advertisement. I was **not aware** of most of these programs.
- "Make them **more aware and available** for students! I had a great study abroad experience in Greece and highly recommend people to try it out."

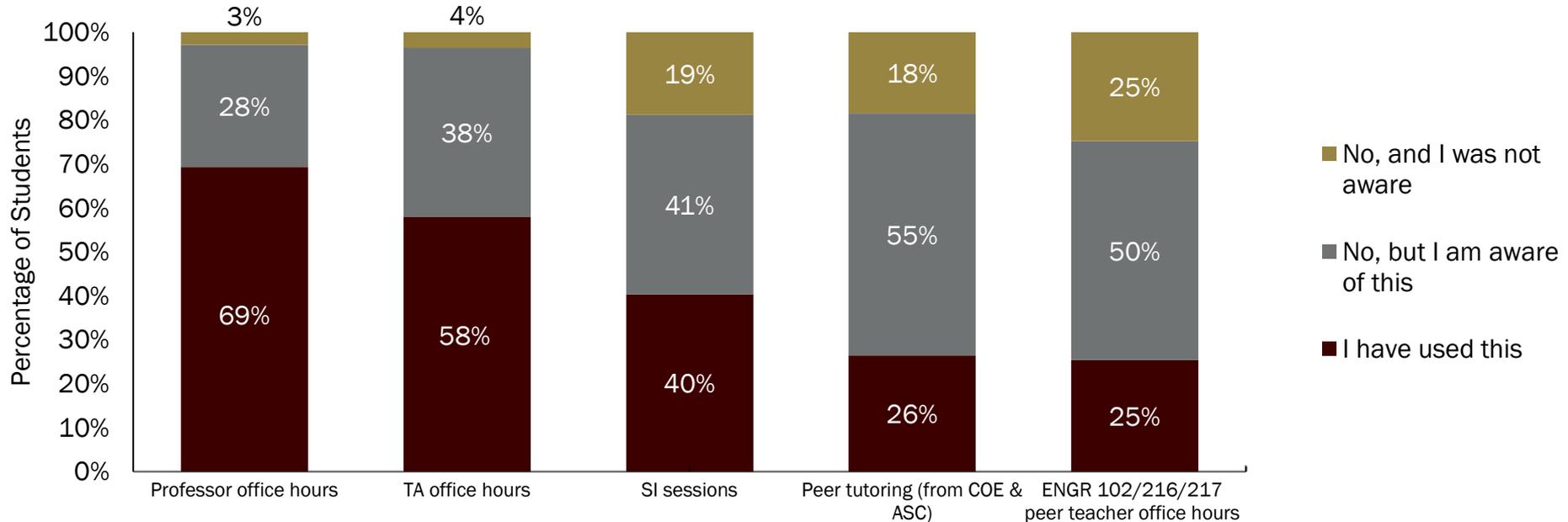
### Difficulties with Navigate

- "Navigate App could be more friendly. **Difficult to schedule appointments.**"
- "TAMU's Navigate Student App: No one uses it and is **inconvenient** to use compared to other apps / systems."



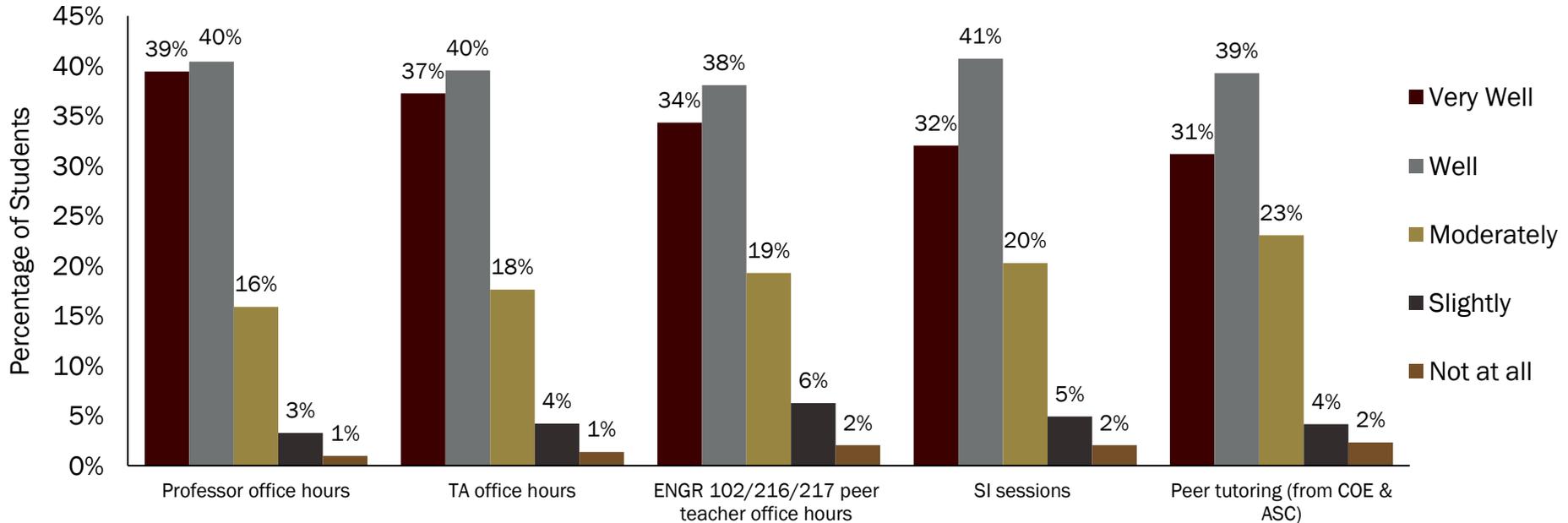
Responses: 3267

Have you used or participated in the following Academic Support Services during your time in the College of Engineering?



Asked to students who have participated in 1+ services  
Responses: 2657

Of the College of Engineering Academic Support Services you have used, how well did they meet your needs?



Asked to students who have participated in 1+ services  
Responses: 547



What additional College of Engineering Academic Support Services would be helpful to you in meeting your needs? (*open ended*)

Increased office hours availability

- The vast majority of requests are for extended hours.
- “I cannot attend office hours since they are **in the middle of other classes**”

More resources for upper-level coursework

- “The SI sessions for physics 206 were really great”
- “I would like SI sessions for **less mainstream classes.**”

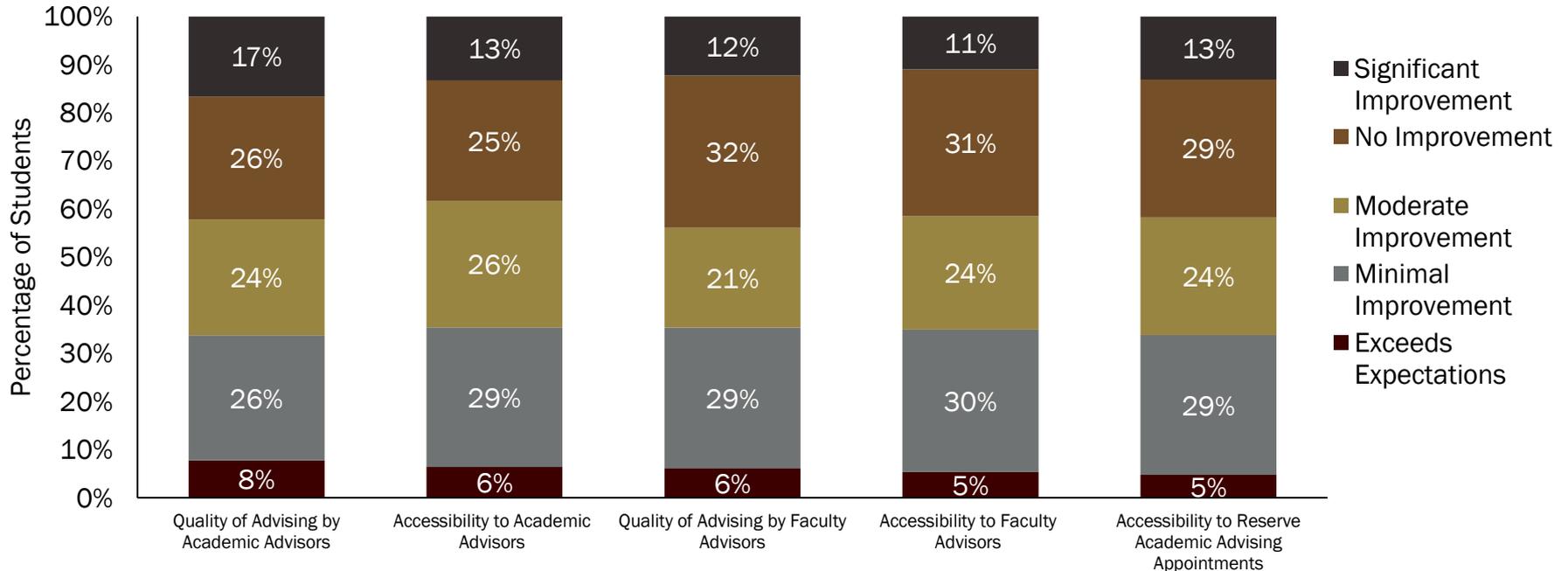
More knowledgeable PTs

- “**Ensuring** the **PTs know the concepts** before attempting to teach them.”
- “Peer teachers should be screened for more than just receiving an A in the course.”



Responses: 3237

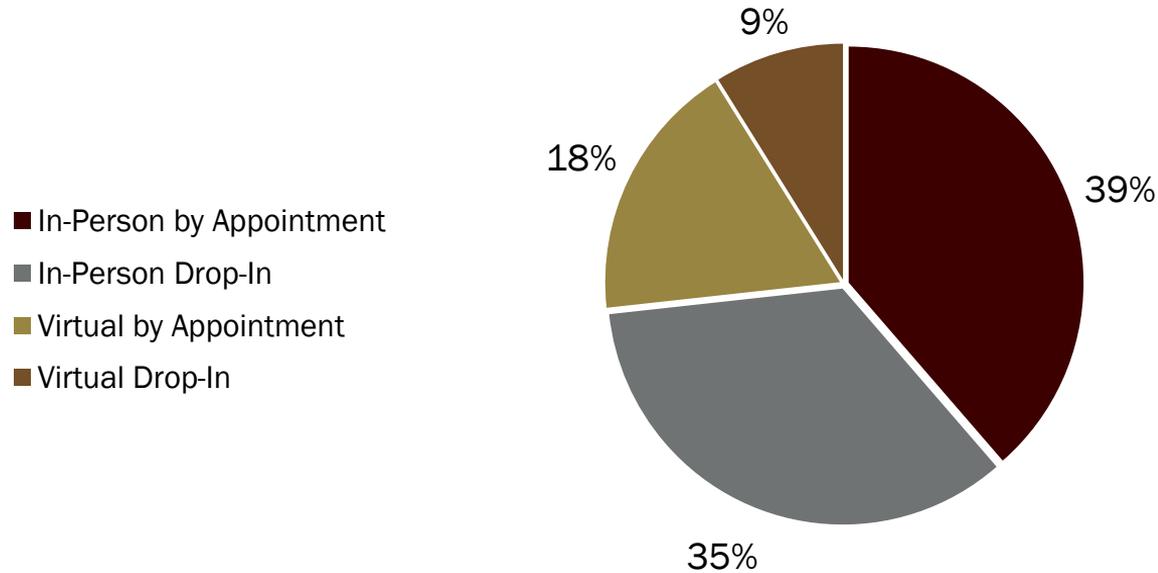
Please indicate, for each College of Engineering attribute, the level of improvement you believe is necessary.



Responses: 3143



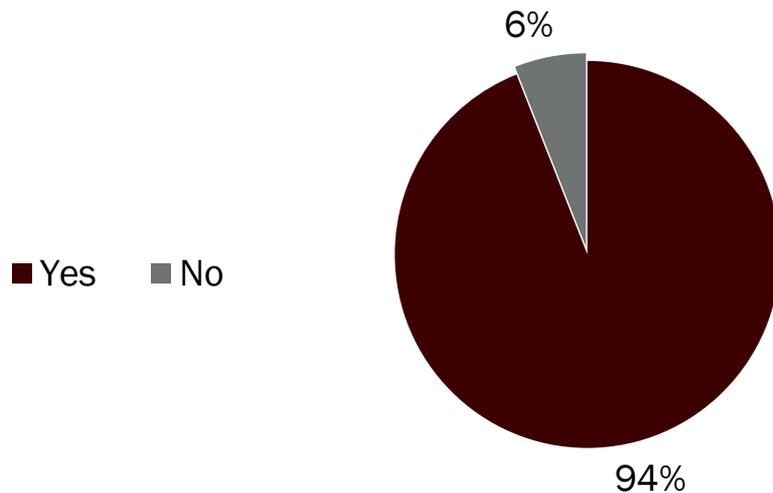
What is your preferred method of advisor communication?





Responses: 3267

When registering for the Fall 2024 semester, were you able to register for the courses that are required for your major?



Top courses students could not register for: (*open ended*)

1. ENGR/PHYS 217 (17)
2. MEEN 464 (7)
3. MEEN 210 (6)
4. ECEN 248 (5)

Percentage of students responding “yes” has remained at ~94% for the past three years



Responses: 1143

Please provide feedback on the strengths and opportunities for improvement with advising and registration.

### Professor Assignments

- Large number of requests for showing the professor assignment earlier
- “Registration could be improved by **displaying which professors will teach each section** prior to registration“

### Registration Prioritization

- “Registration should be improved by **prioritizing** the students that have **mandatory classes.**”
- “An improvement could be that seniors have **priority over honors students** “

### Advisors

- “Advising is **incredibly inconsistent** in quality.”
- “(Advisors) give **false/unhelpful information** quite often”

Questions?

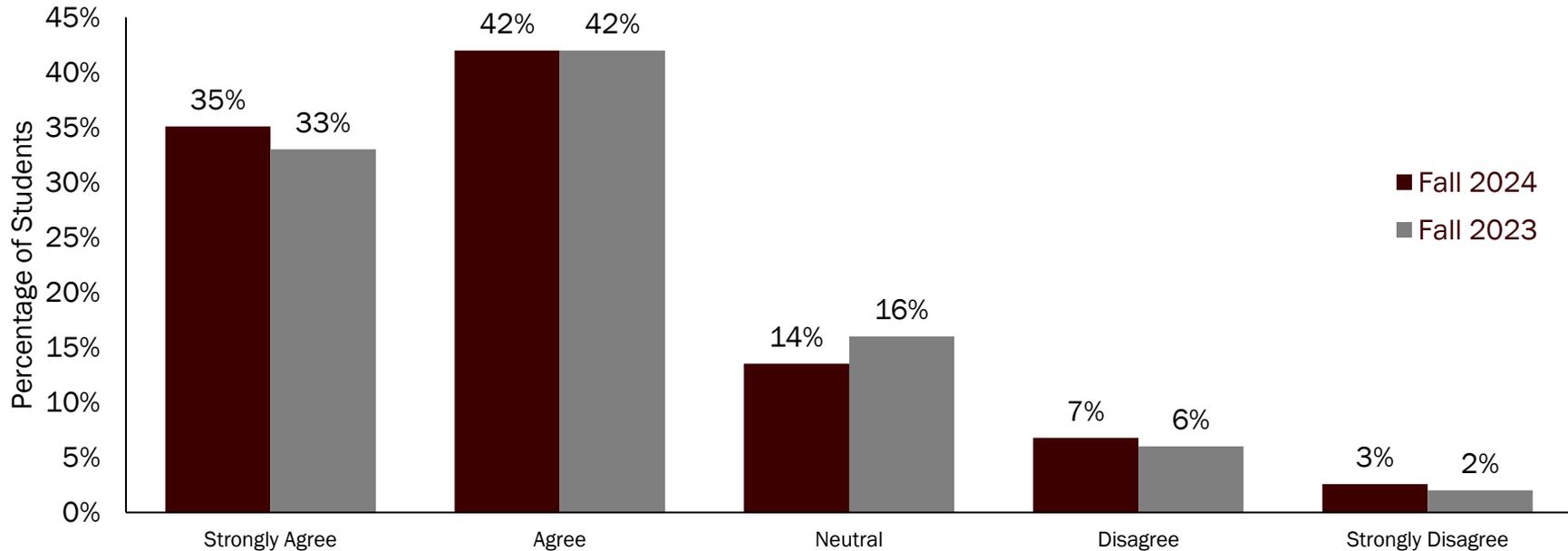
# Entry-to-a-Major Questions

Asked to all students who said that they had completed  
ETAM



Responses: 1781

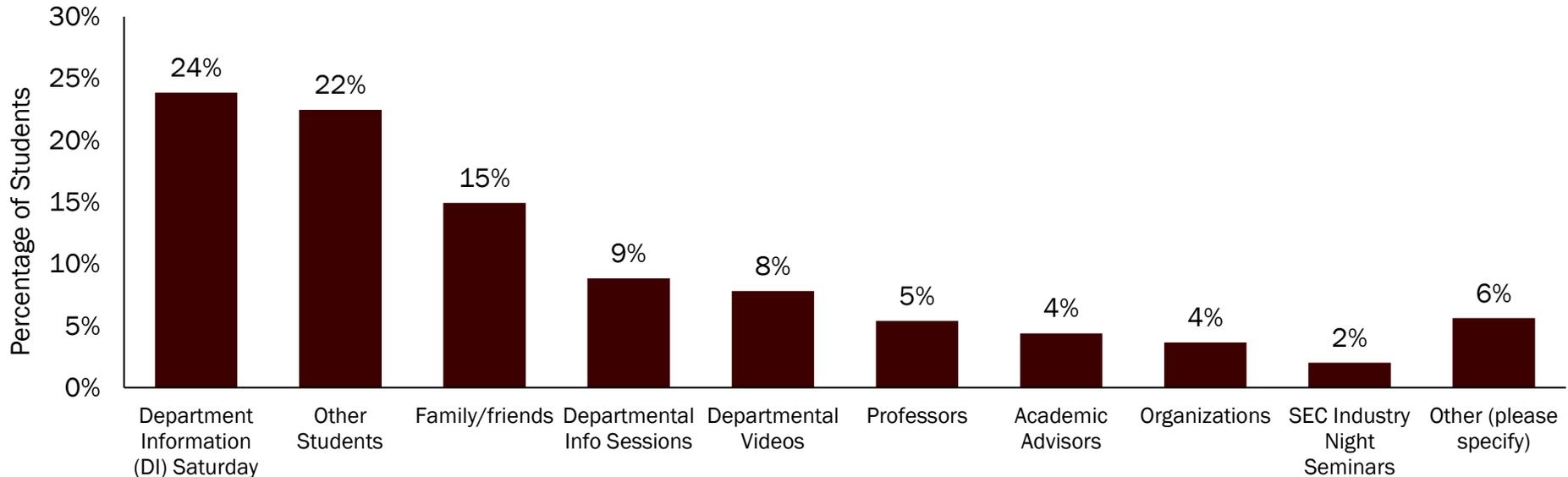
Did you feel as if you received sufficient information about the different engineering majors to make an informed decision regarding choosing your major?





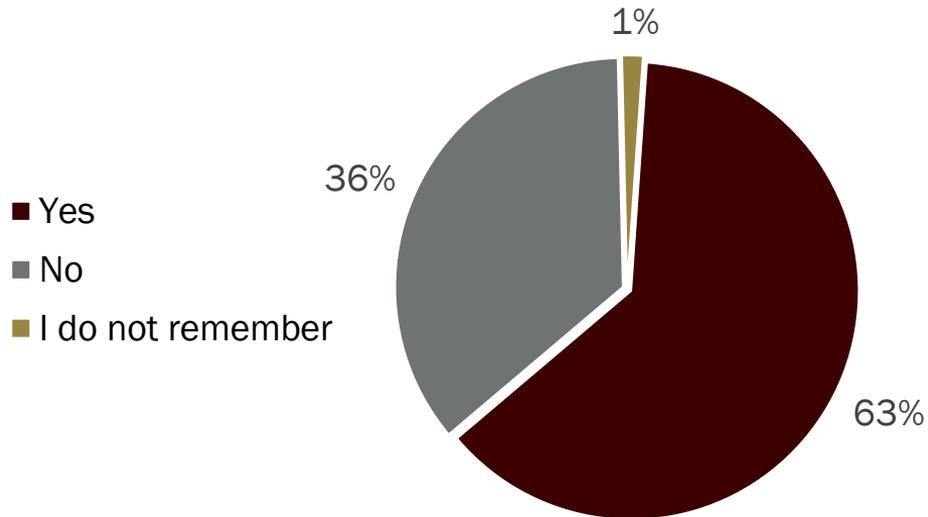
Responses: 1781

During your first year at Texas A&M University, what is/was the most helpful source of information when selecting or confirming your choice of major for the ETAM process?



Asked to 2<sup>nd</sup> year undergraduate students  
Responses: 475

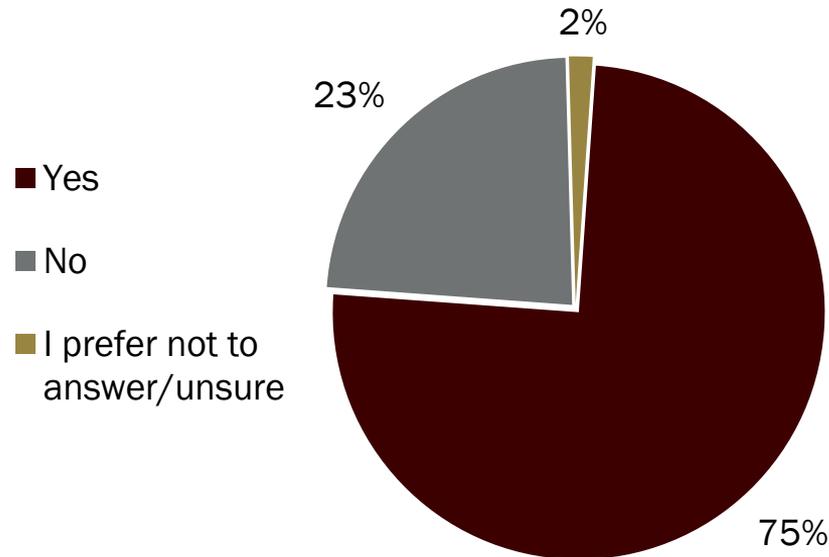
To the best of your recollection, when undergoing the ETAM process, was your first-choice major the same major you chose when you applied to Texas A&M University?



Asked to 3<sup>rd</sup> year undergraduate students  
Responses: 581



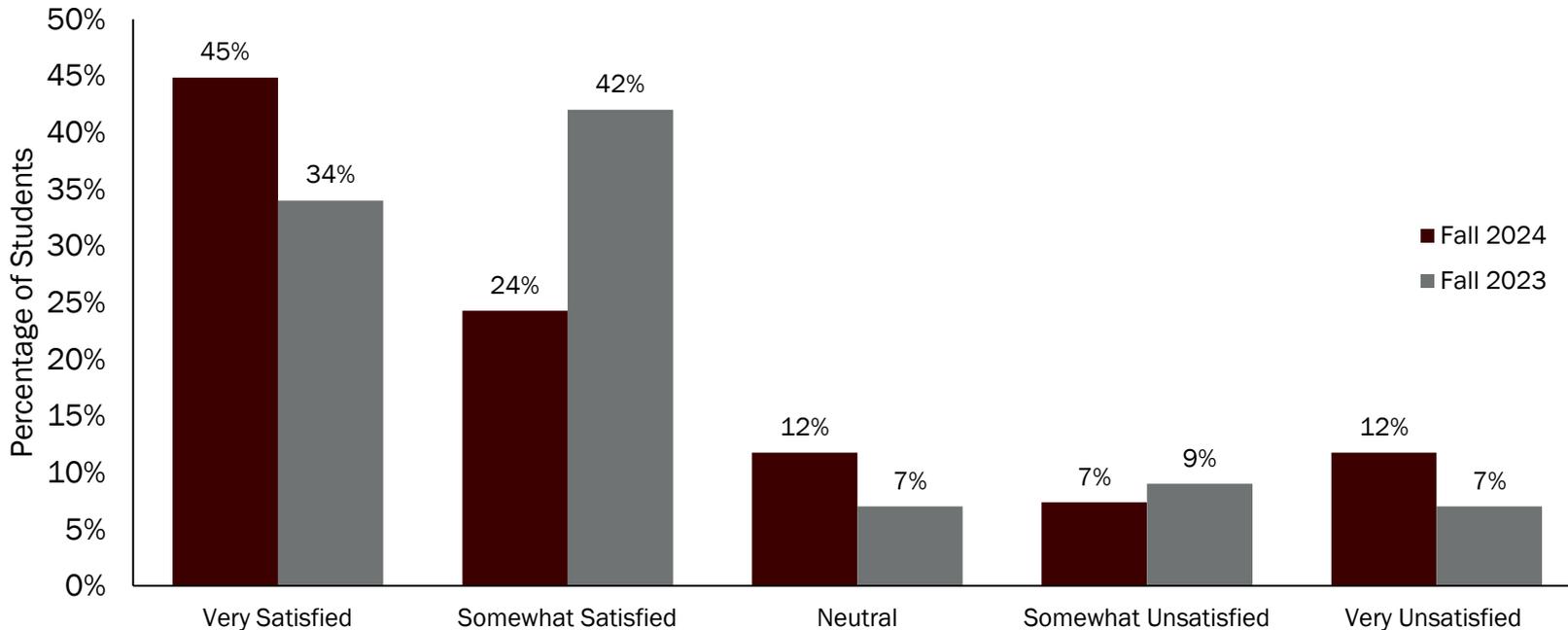
Was the major you were offered during the ETAM process your first preference when you applied to ETAM?



Asked to 3<sup>rd</sup> year undergraduate students who answered 'No'  
Responses: 136



After spending time in your major following the ETAM process, how satisfied are you with your offered major?



Questions?

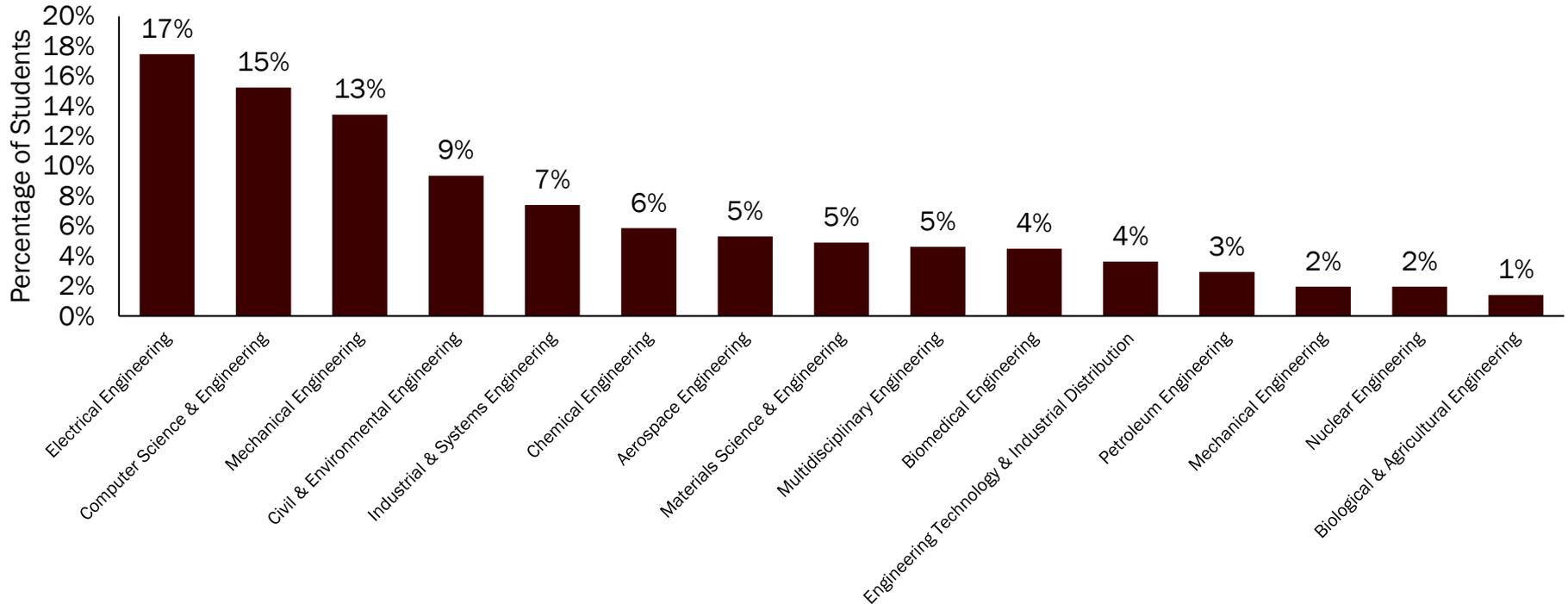
# Graduate Student Questions

Asked to Master's & PhD students

Responses: 715



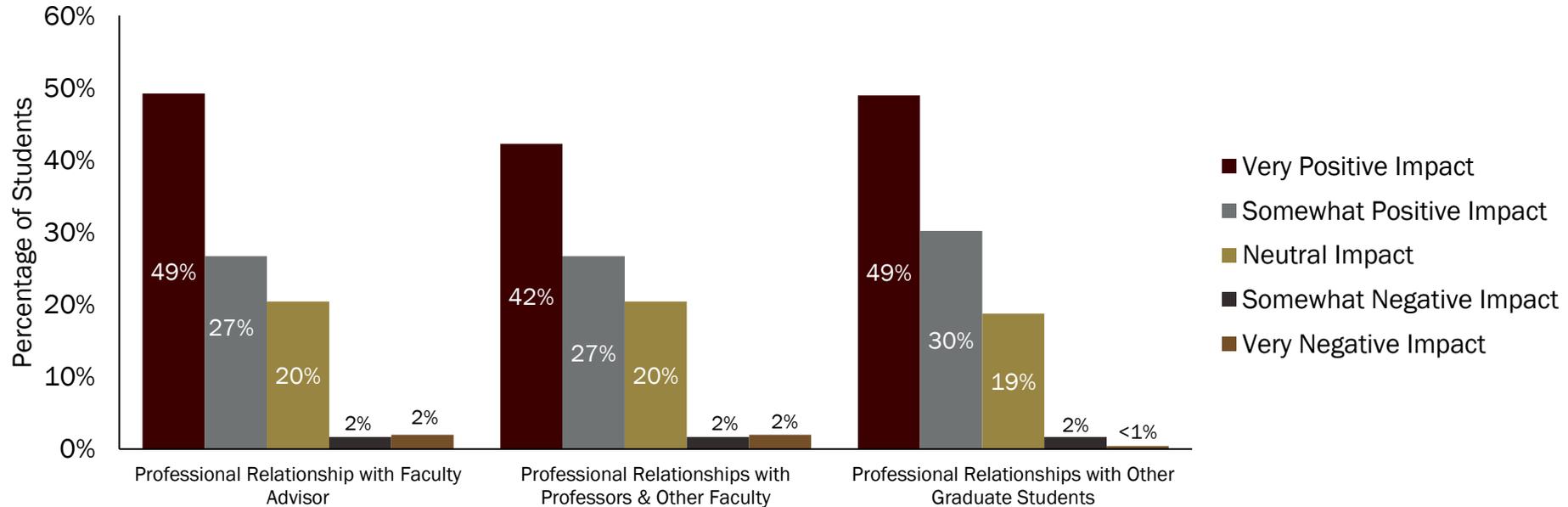
## In which department are you enrolled as a Graduate student?





## Responses: 715

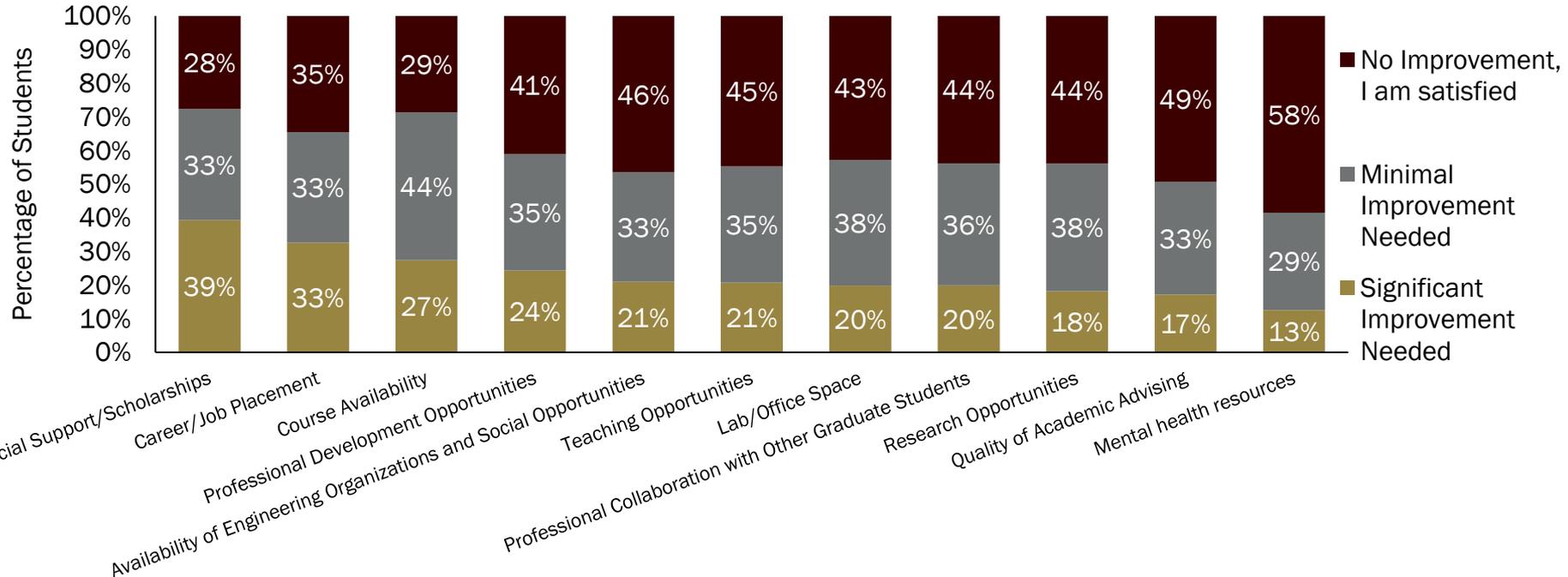
Please rate the impact of the following relationships on your Graduate Student Experience.





Responses: 715

Please indicate, for each College of Engineering Graduate Student attribute, the level of improvement you believe is necessary.



Please provide any suggestions you may have for the College of Engineering Graduate Student attributes you believe could be improved. (*open ended*)

Financial Support / Scholarship Opportunities

- "The inflation affected many students whose **graduate assistantship salaries remained the same** over the years with no increase. Most of these graduate assistants are **international students** and therefore are **not allowed to work outside the university**. Hence these salaries are their only source of income in a college town where the **prices are going up every year.**"
- "As **I support two people on my research assistantship**, it would have been supremely helpful to be eligible for **financial support in my first year/semester.**"

Career and Job Placement Support

- "Career fair was **a bust compared to my undergrad career fair** -- all the 'recruiters' weren't actively recruiting, they were simply giving information about their company and **telling students to apply online.**"



Responses: 106

Please provide any suggestions you may have for the College of Engineering Graduate Student attributes you believe could be improved. (*open ended*)

### Lab Space

- “We need **more space** to fit in scores of researchers who are currently **crammed together**”
- “Many graduate students are in lab spaces that are worn down **without necessary PPE**”

### Research Postings

- “There has to be **a better way for professors to advertise their research opportunities**. Chasing them all down and trying to get a grasp of how their research group functions and if there is funding available is currently a nightmare.”
- “There could be **clearer ways to connect students to research groups/professors**. Perhaps a centralized website where professors can put up available research positions (like a job posting), which updates once the position(s) are filled.”



Responses: 106

Please provide any suggestions you may have for the College of Engineering Graduate Student attributes you believe could be improved. (*open ended*)

### Course Availability

- "Courses should be offered more regularly. For a master's student that might be completing their degree in one year, **if a course is only offered every 3 semesters, they might not be able to take it** even if relevant to their desired focus."
- "Many of the courses **available to us**, are simply **not being offered at all**"

### Advising

- "Academic Advising Need improvement in **accessibility to appointments** when needed"
- "Academic advisors have **more students than they can handle.**"
- "Academic advisors need to be **more informed and helpful....**the only answer they provide is check online"

Questions?

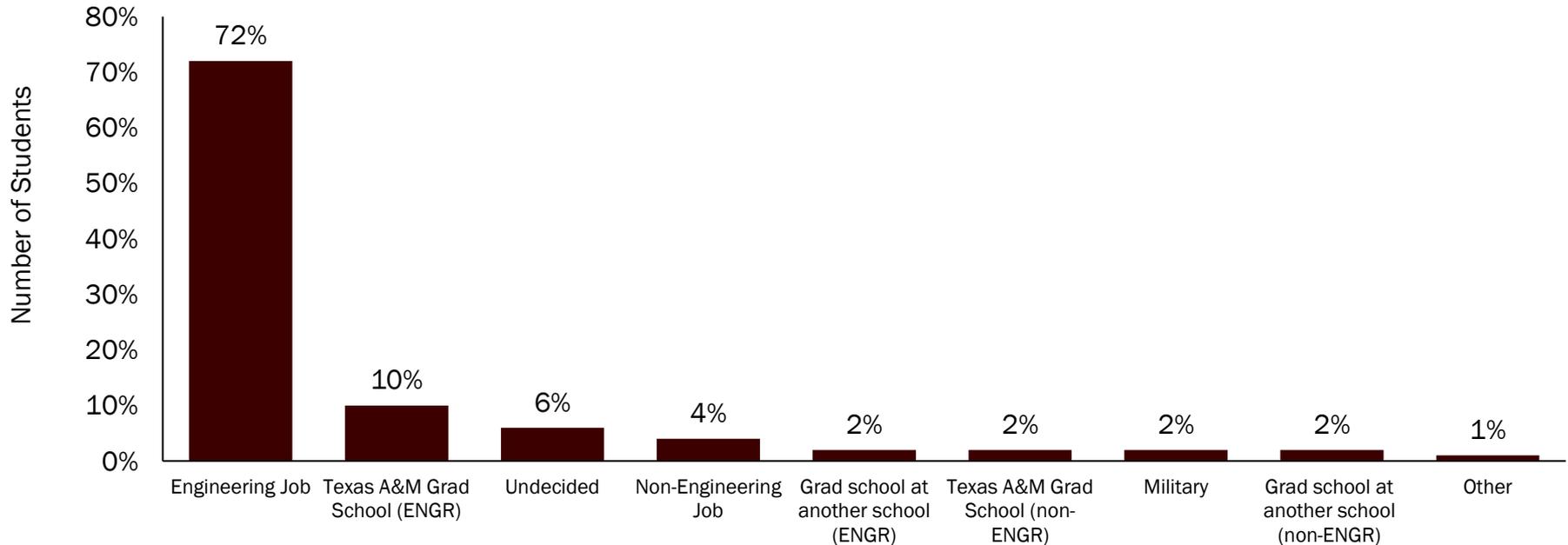
# Post-Graduation Questions

Asked to students graduating in December 2024  
or May 2025

Responses: 647



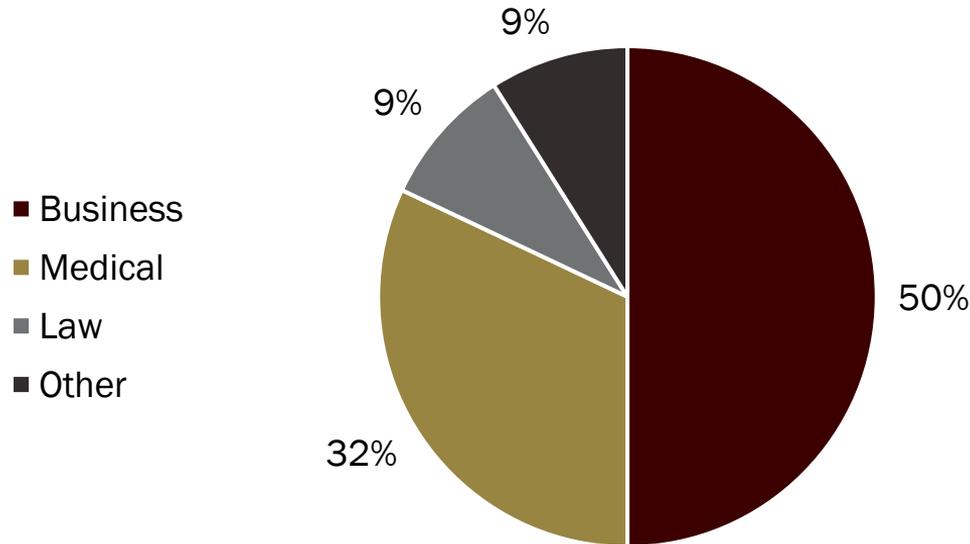
Which of the following will you pursue after you graduate?



Asked to students pursuing non-engineering graduate school  
Responses: 22

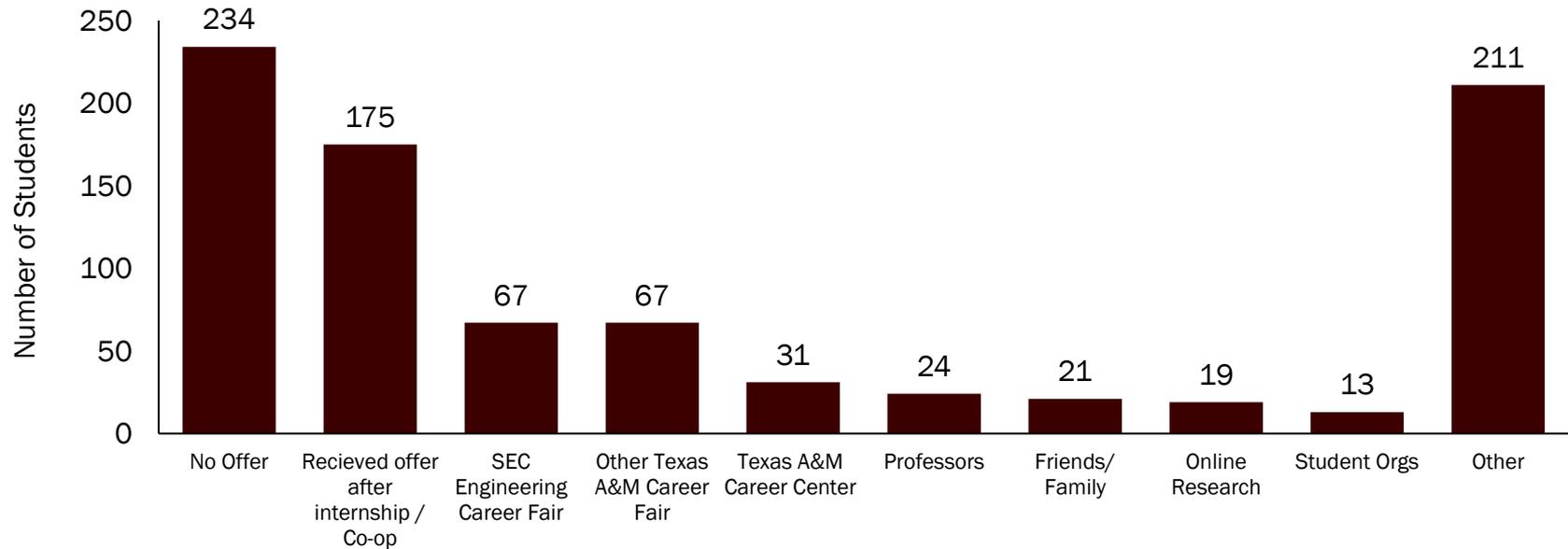


What kind of graduate school are you pursuing after you graduate?



Asked to students pursuing a full-time job after graduation  
Responses: 492

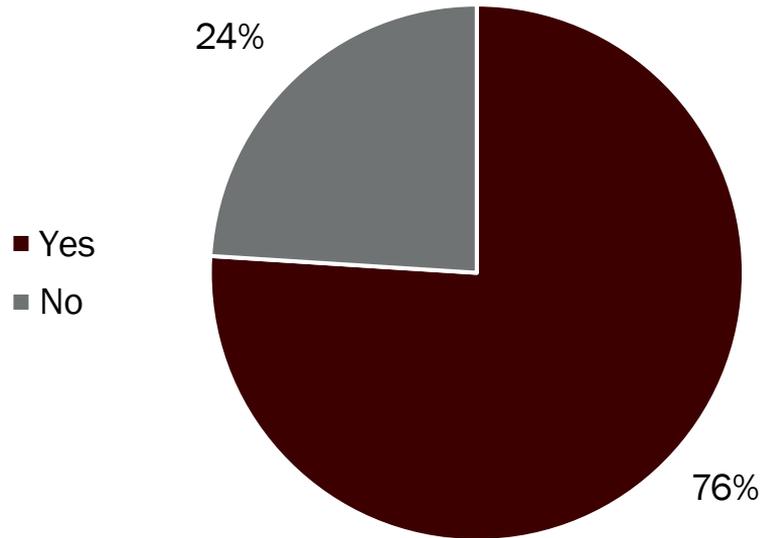
How did you obtain your full-time job opportunity (select all that apply)?



Asked to students who have received a full-time job offer  
Responses: 485



Were you given sufficient time (2 weeks or more) to make a decision regarding the employment offer?



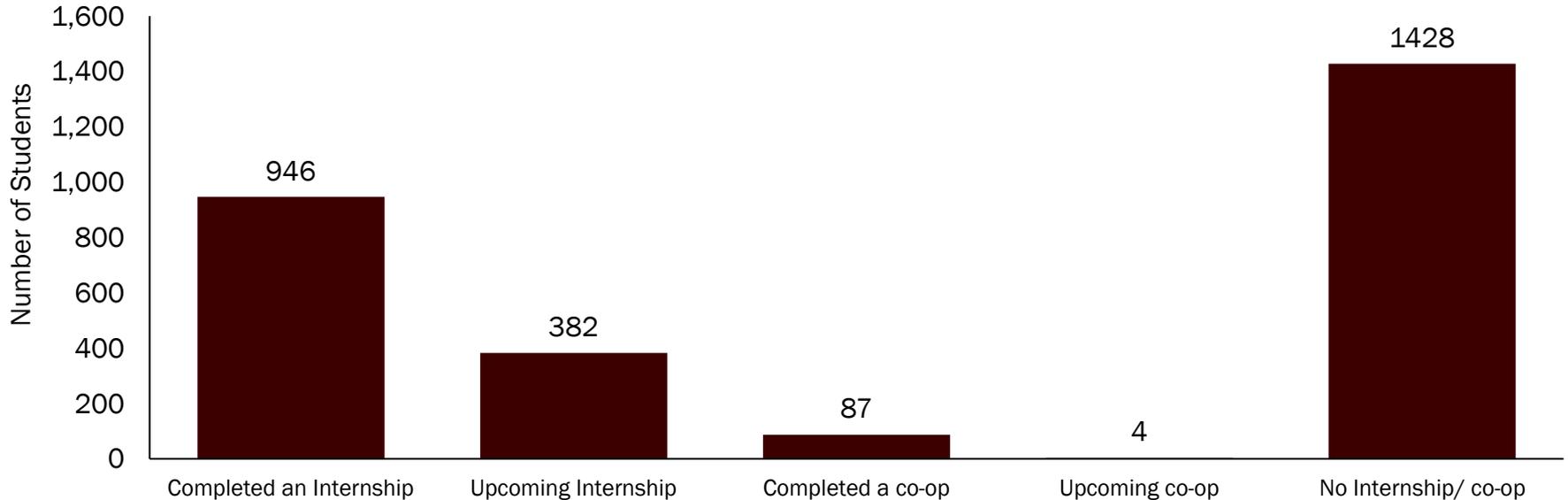
Questions?

# Internship and Professional Experiences Questions

Asked to all non-first year students

Responses: 2601

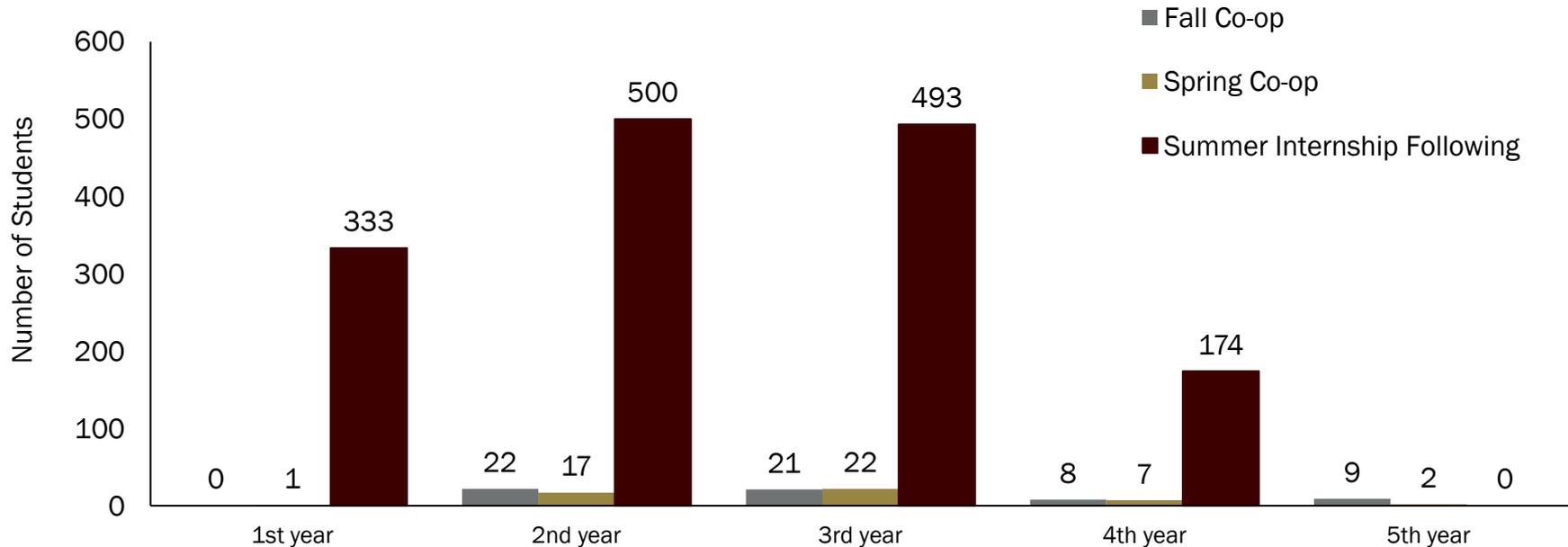
Have you completed an internship or co-op, or have you accepted an offer for Spring or Summer 2025?



Asked to students who have completed an internship/ co-op  
Responses: 967



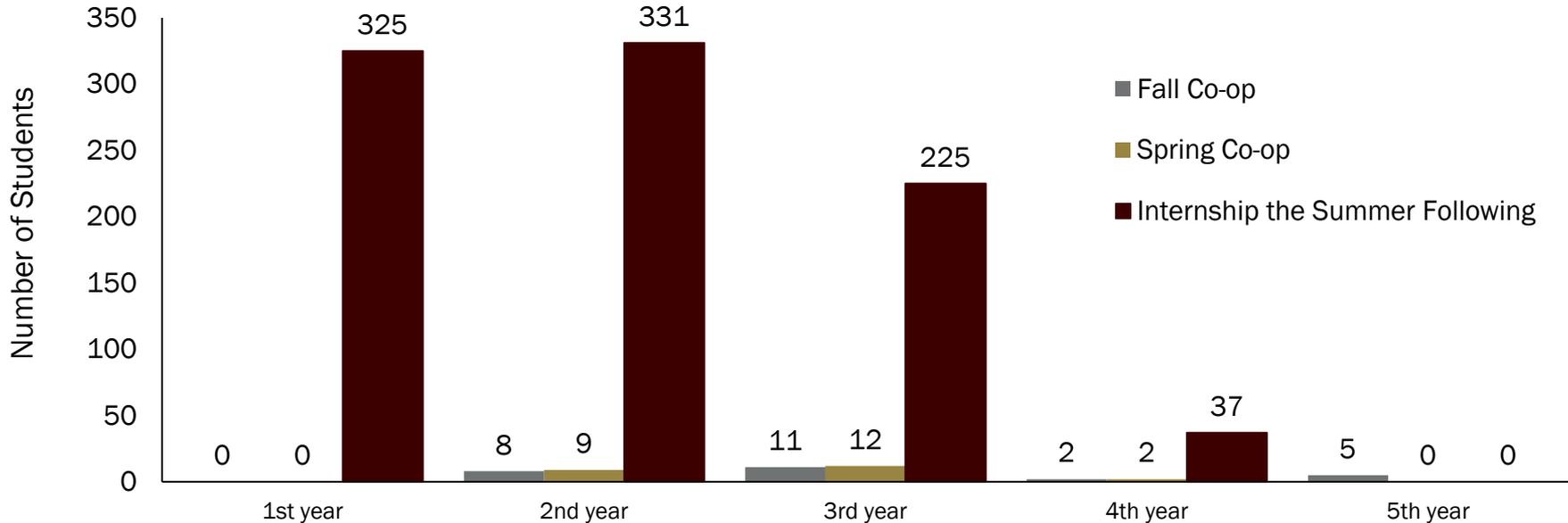
Classify your completed internship/ co-op experiences(s). (Select all that apply)



Asked to students who have completed an internship/ co-op  
Responses: 967



When was your first internship/ co-op experience?

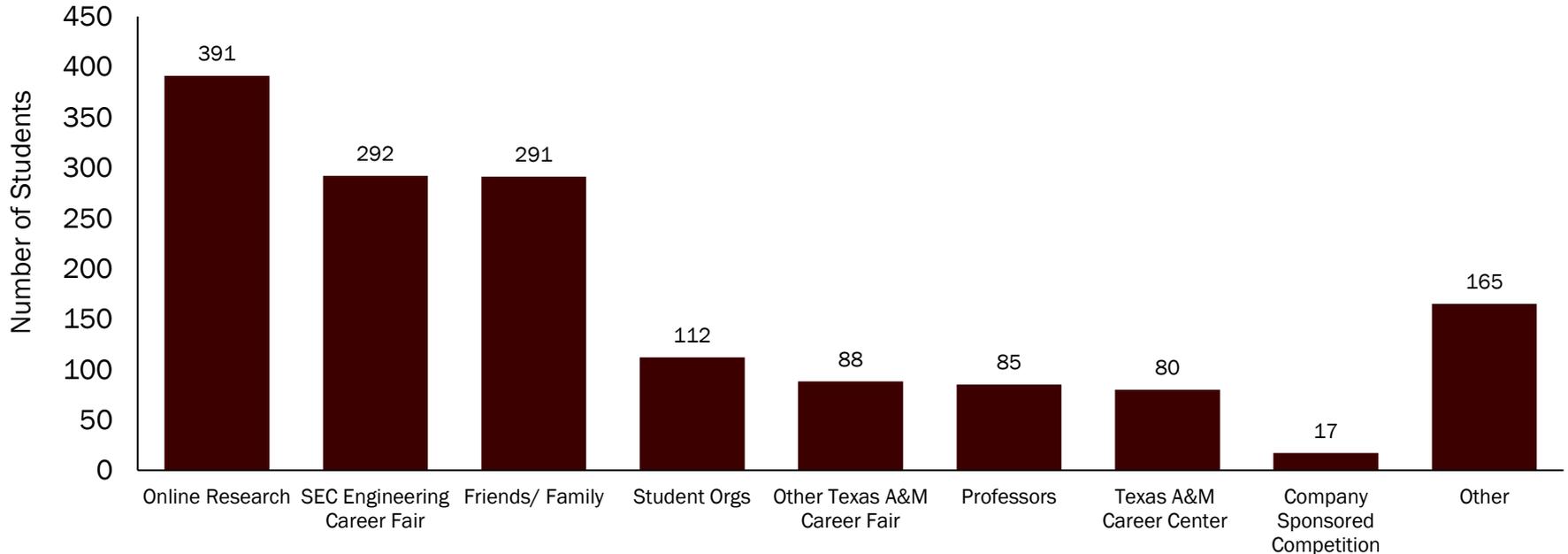


Asked to students who have completed or have an upcoming internship/ co-op

Responses: 1173



How did you obtain your internship/ co-op opportunity (select all that apply)?



Students who selected other (please specify)  
Responses: 150



How did you obtain your internship/ co-op opportunity (select all that apply)?

Answers from Other (please specify)

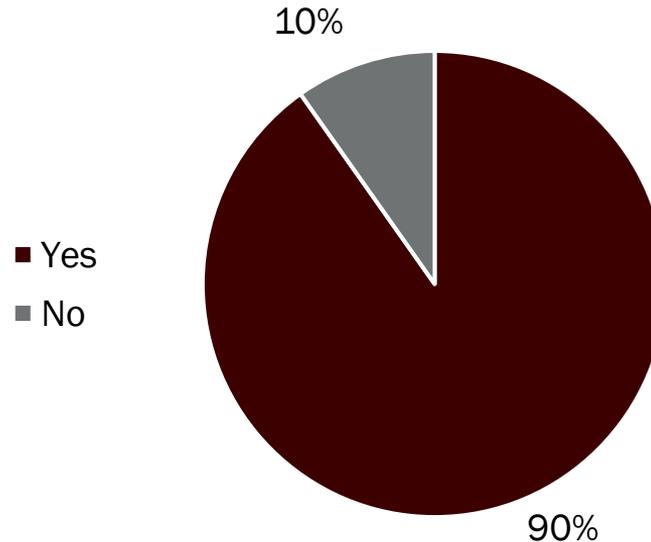
- ISEN/PAID/CSCE/OCEN **Career Fairs**
- Networking, cold-emailing, **reaching out** to contacts
- **LinkedIn** and other online job search sites
- Mass applying through **company websites** online
- Emails from **advisors or department** with opportunities
- Sent by **scholarship** donors or departments

*Students who have completed or have an upcoming internship/ co-op*

Responses: 967



Were you given sufficient time (2 weeks or more) to make a decision regarding the employment offer?



Questions?

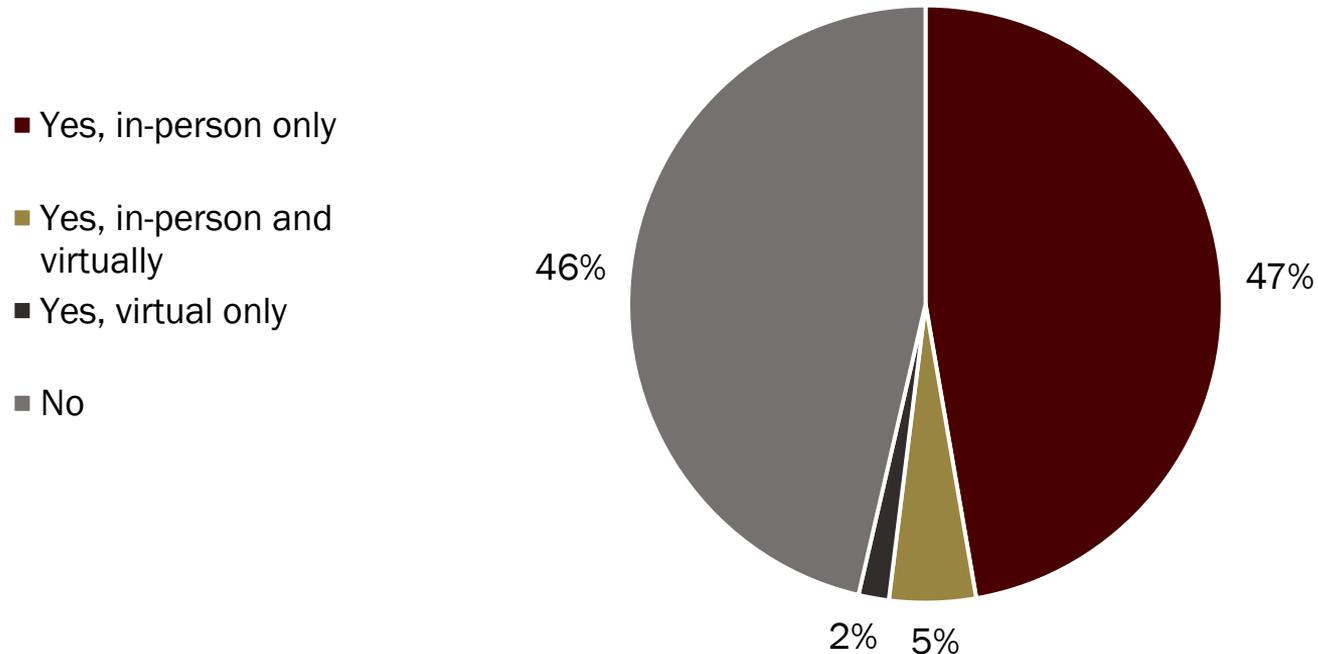
# Career Fair Questions

Asked to all students



Responses: 3267

Did you attend the Fall 2024 SEC Engineering Career Fair?

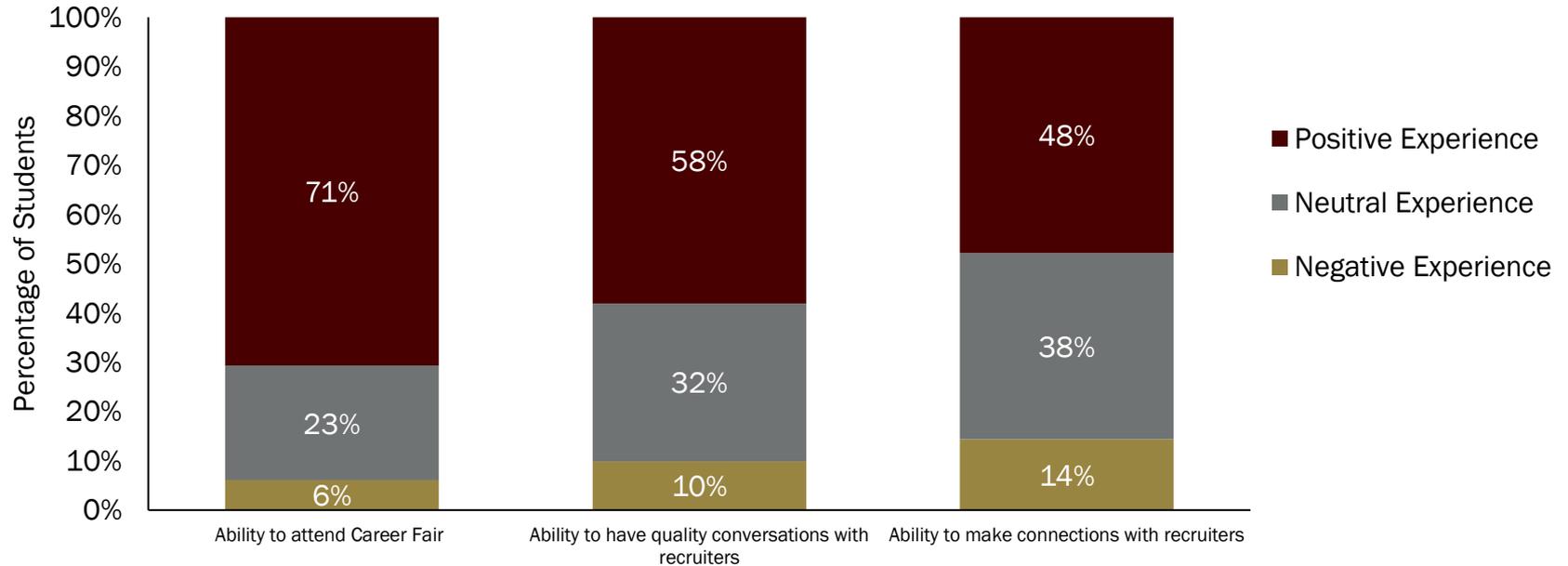


# Asked to students who attended the in-person Career Fair

## Responses: 1698



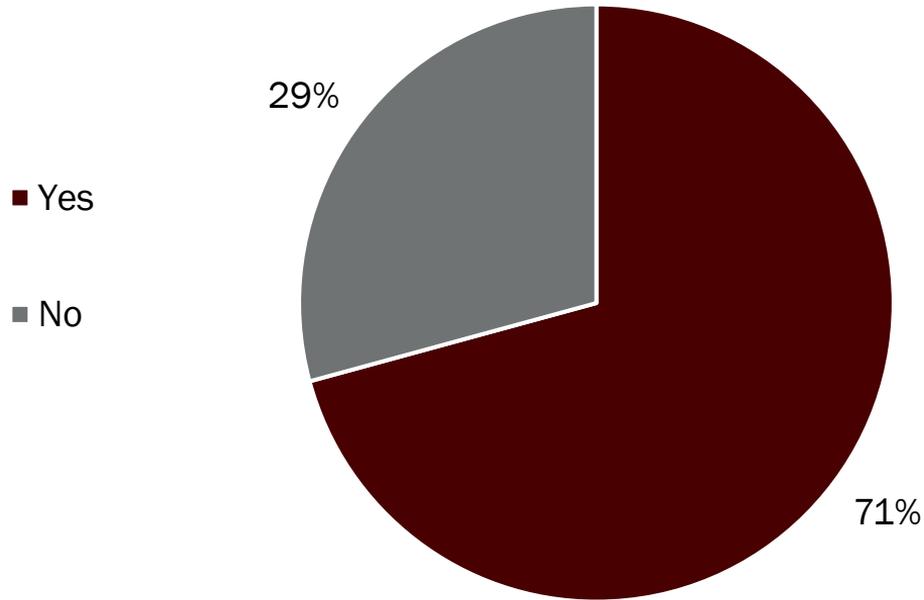
Please rate your experience of the following statements for the in-person Career Fair





Responses: 1752

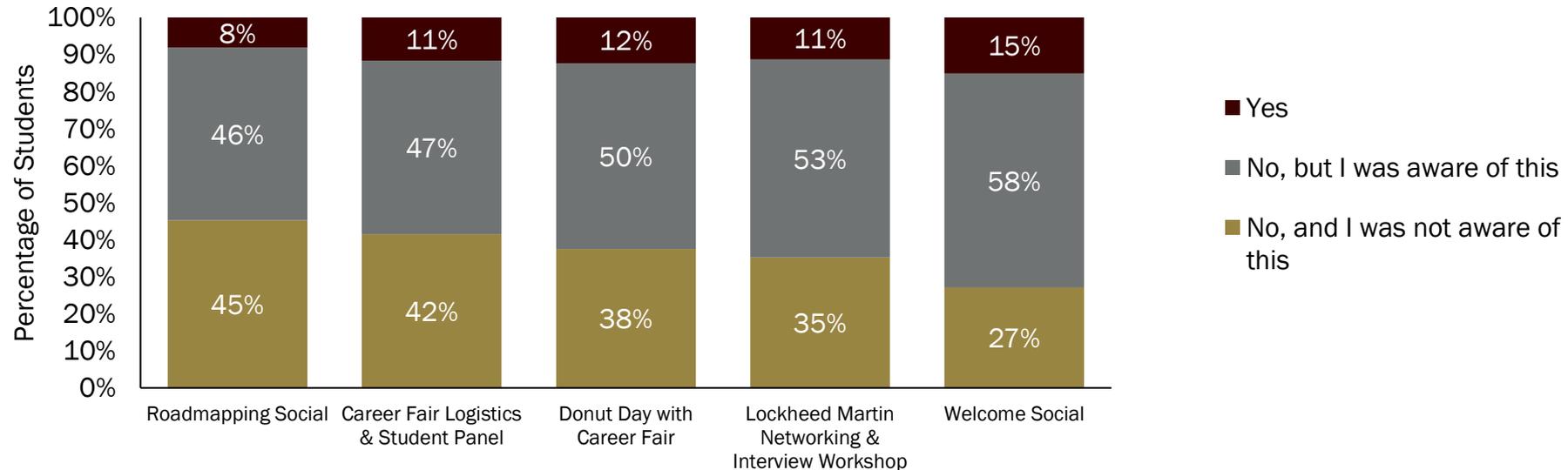
Did you use the Career Fair HireAggies website to prepare for the fair and search for companies?



# Asked to students who attended the Career Fair

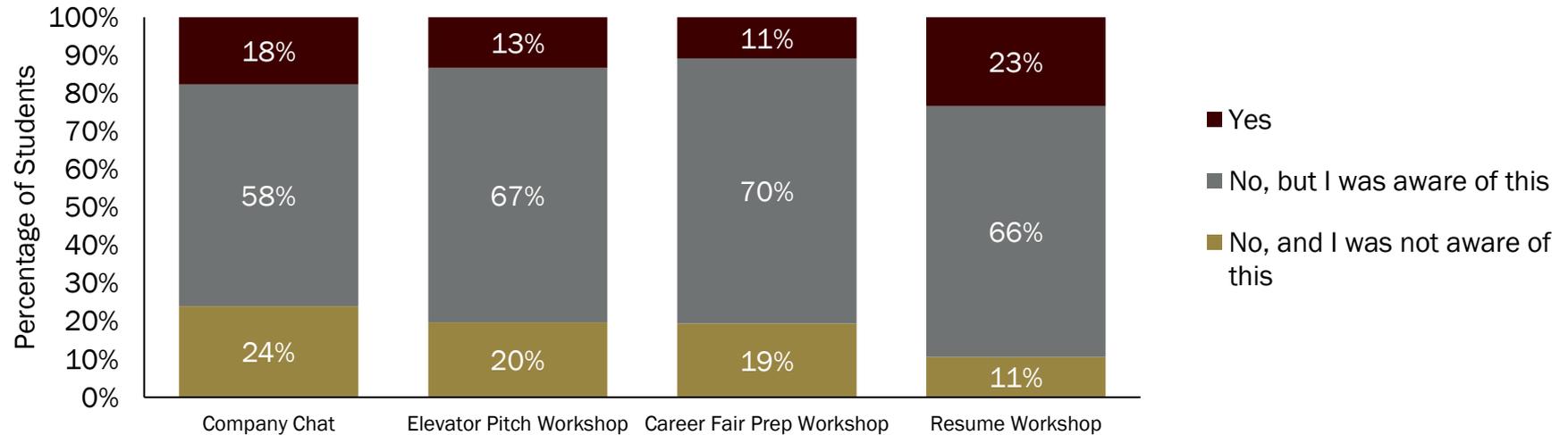
## Responses: 1752

### Did you attend the following Fall 2024 SEC Pre-Career Fair Events?



Asked to students who attended the Career Fair  
Responses: 1752

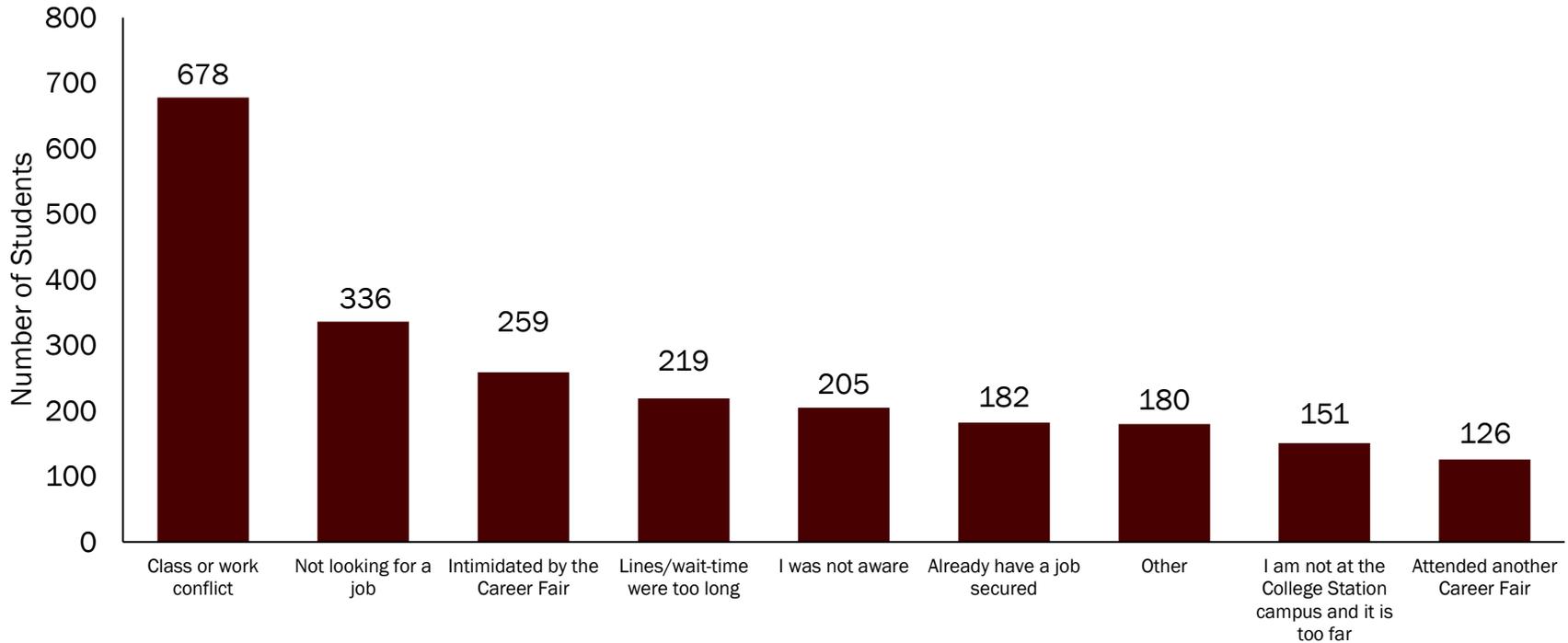
Did you attend the following Fall 2024 SEC Pre-Career Fair Events?



# Asked to students who did not attend the SEC Career Fair Responses: 1515



## Why did you not attend the SEC Career Fair?



Asked to students who did not attend the Career Fair  
Responses: 171



Why did you not attend the Career Fair? – *Other (please specify)*

Lack of experience

- "I am a freshman and was under the impression that **not many opportunities** would be **available for someone with little to no experience.**"
- "**Resume isn't strong enough** to be considered as an intern"

Companies present did not match field of study/did not have opportunities for international students

- "Heard that **most companies** in career fair **do not accept applicants without green card**"
- "I have gone in past years and there was a **lack of employers wanting to hire ID students**"

Past experiences did not meet expectations

- "The last time I went they **had us stand in line ... just to have the company point us to their generic online job application form** that I can access anytime with Google."

Questions?

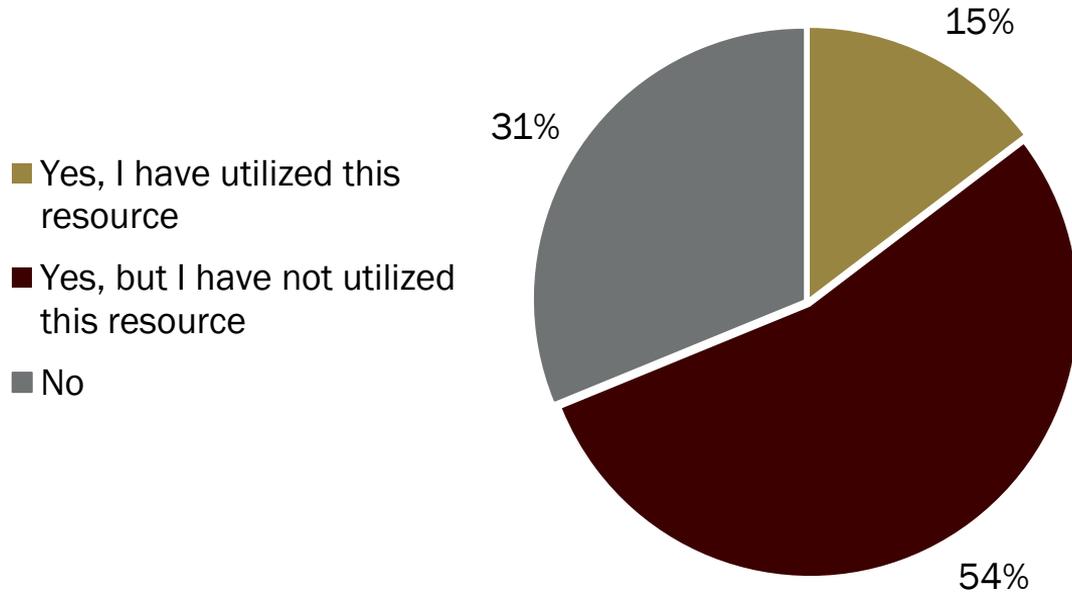
# Mental Health Questions

Asked to all students

Responses: 3267



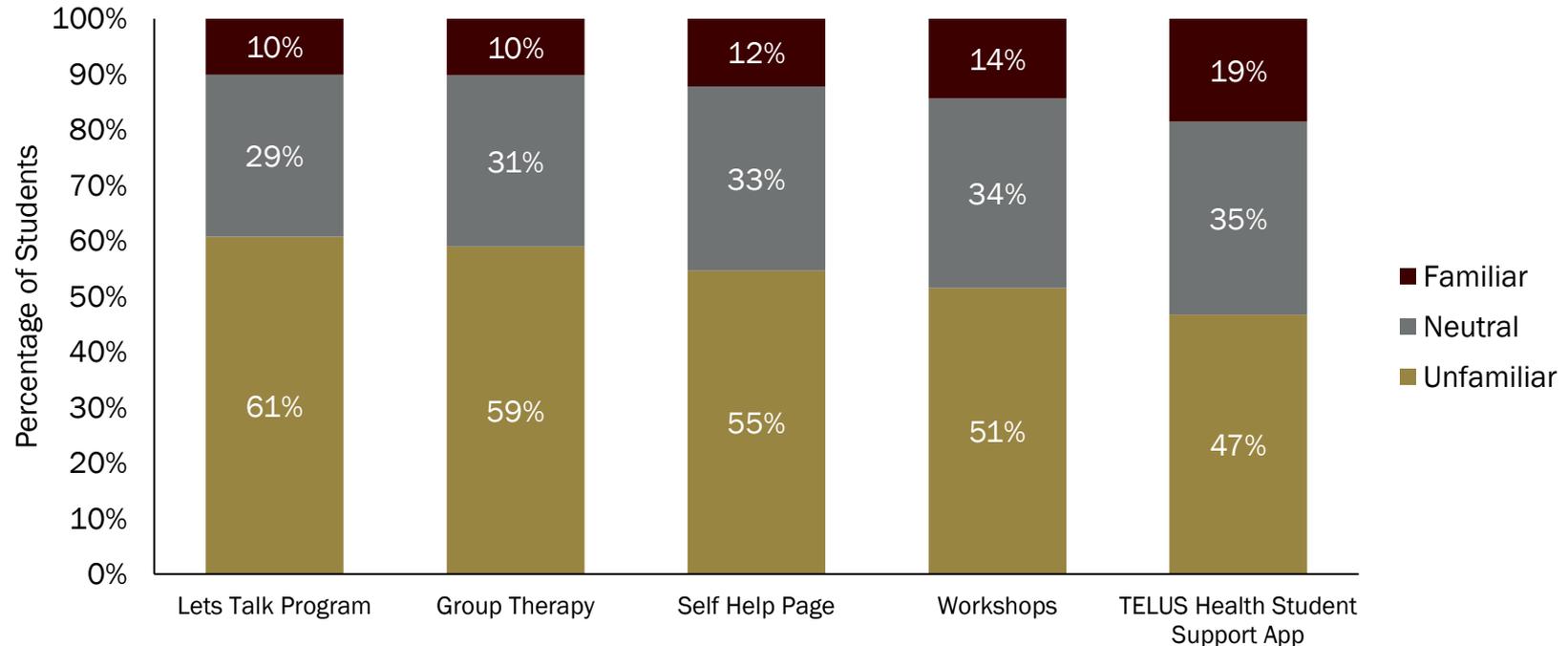
Have you heard about UHS within the College of Engineering?





Responses: 3267

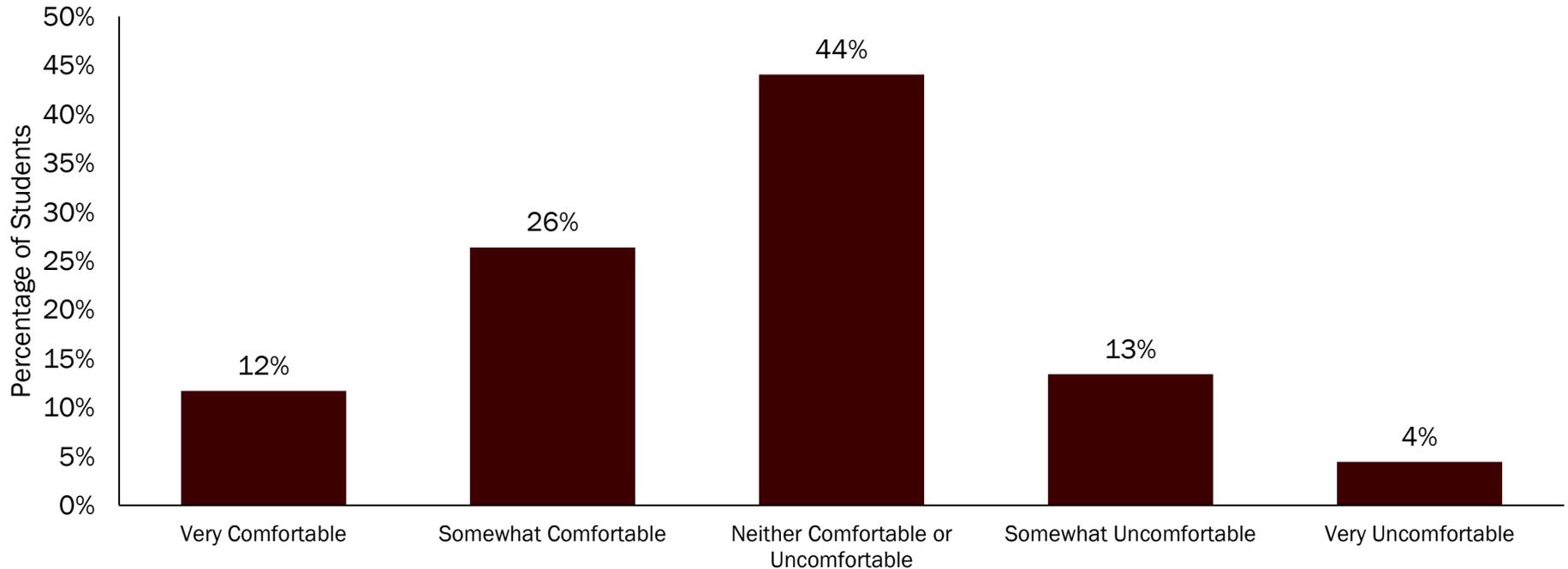
How familiar are you with the following UHS resources, besides 1-on-1 counseling?



Asked to students who had not utilized UHS resources  
Responses: 2787



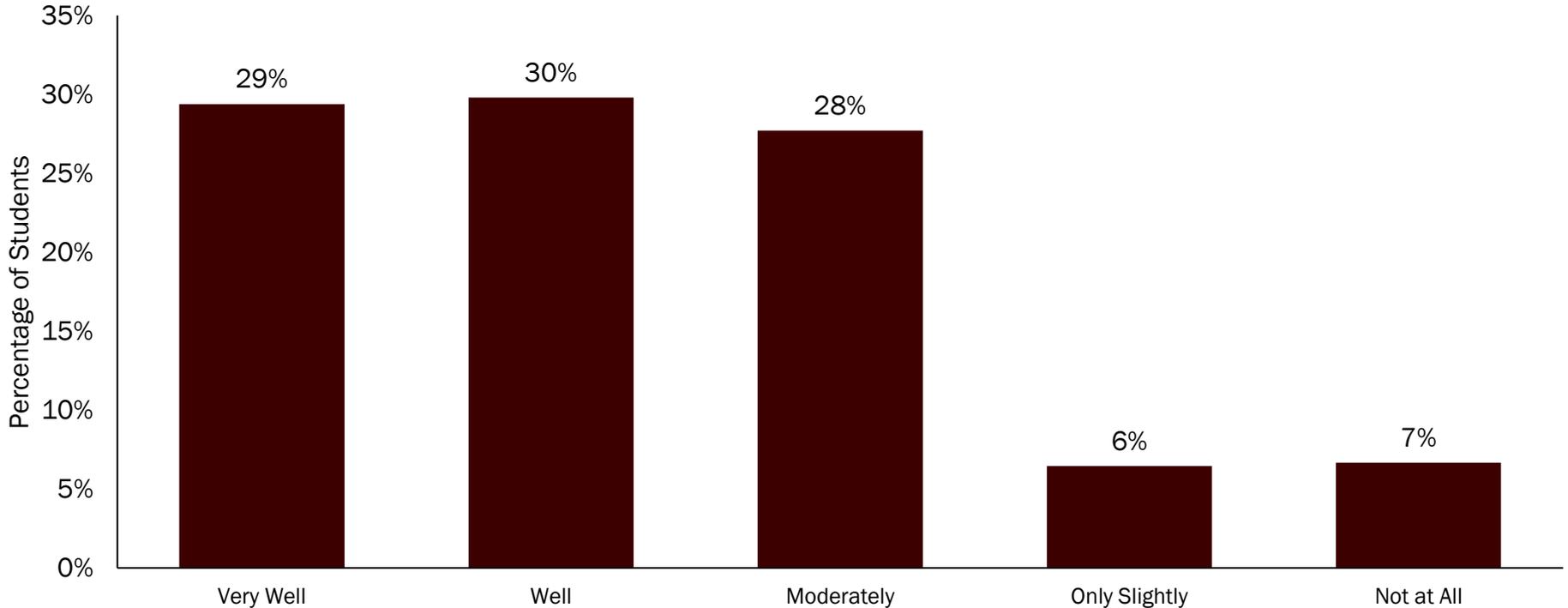
How comfortable would you feel using UHS resources within the COE?



Asked to students who utilized UHS resources  
Responses: 480



How well did UHS meet your mental health needs?





Responses: 567

Please share any suggestions or feedback you may have for the COE in regards to student mental health awareness or UHS resources.

### Increased Advertising for Services and Location

- “Marketing, several of the **opportunities I was unaware of.**”
- “It is **not marketed well.** I don't actually know where the CAPS office in Zach is.”

### Capacity Concerns

- “**UHS's patient volume is too high.** Services I experienced were intended as a 1-2 visit reassurance instead of the ongoing care I needed.”
- “Often times **it takes over 2 weeks to get an appointment**”

### Anonymity Concerns

- “I have a friend who goes to a therapist in Zach and she has **expressed her discomfort with the location because it is in a public area** where other students study and people can see her going in and leaving the therapists office.”
- “I already have mental health help but I am a little **intimidated by it being in the engineering building where I can see people I know.**”

Questions?

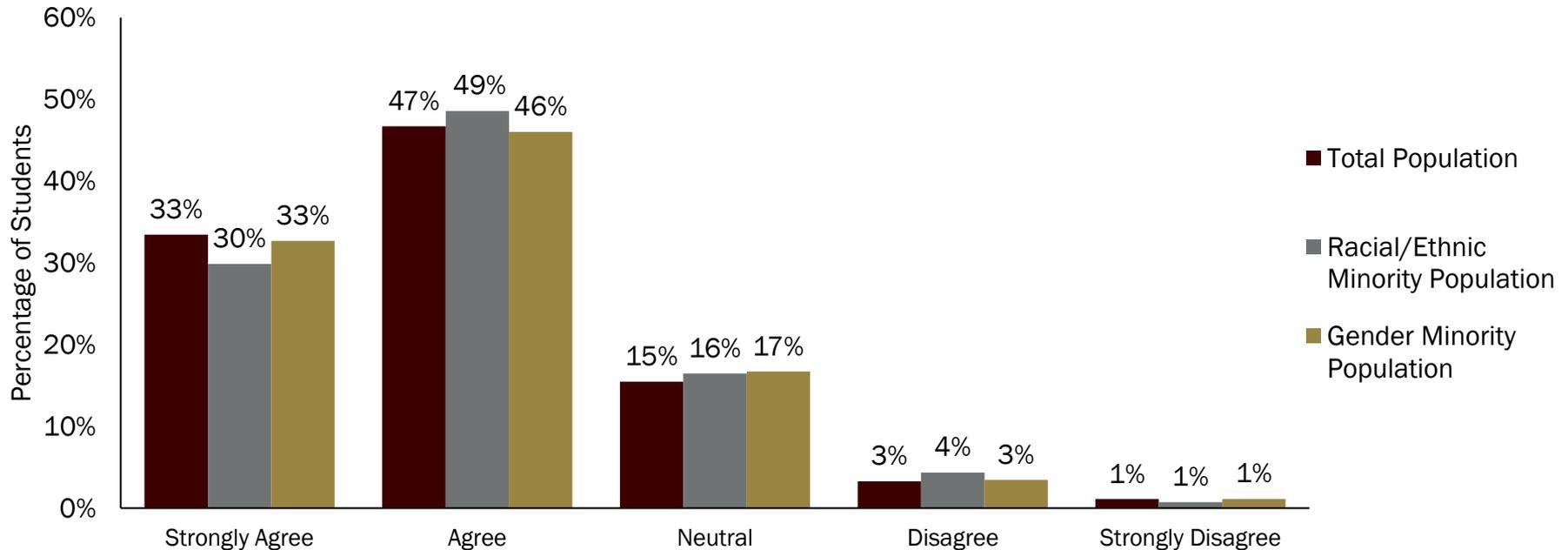
# Community & Belonging Questions

Asked to all students



Responses: 3267

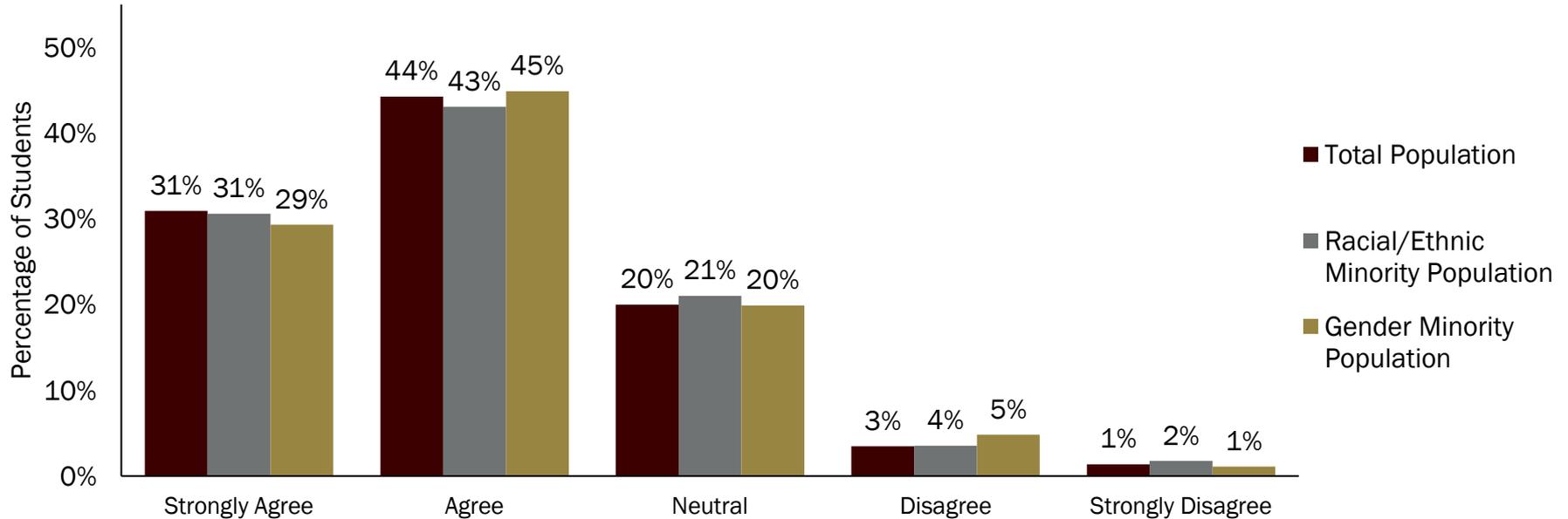
Please rate your agreement with the following statements. – I feel welcome in the College of Engineering.





Responses: 3267

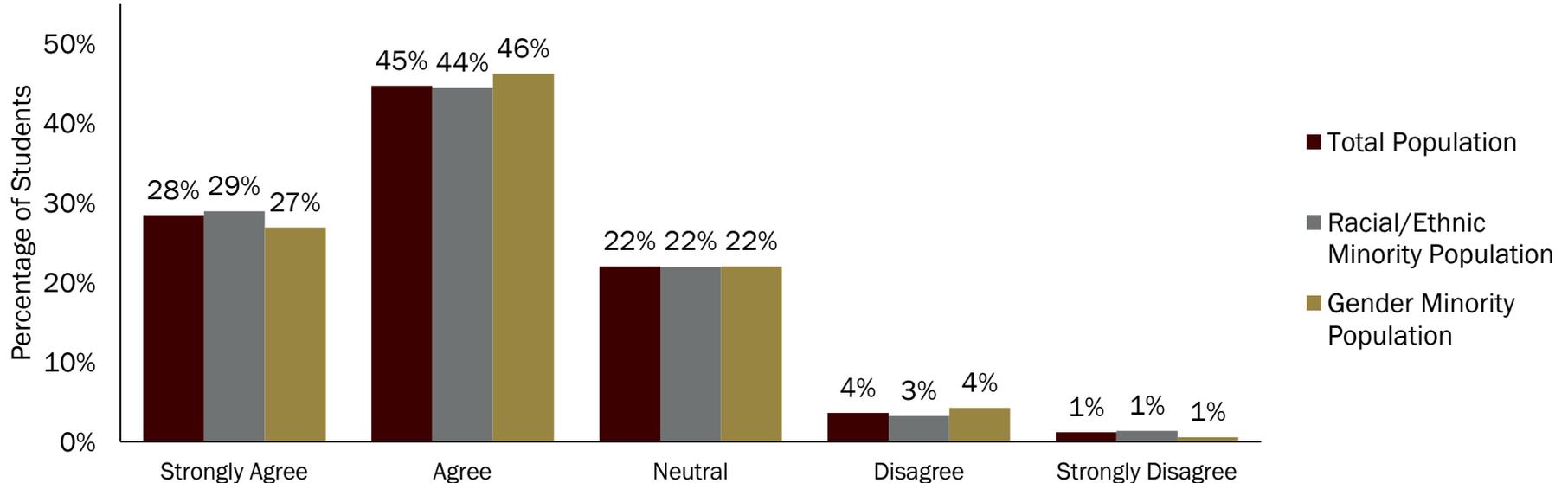
Please rate your agreement with the following statements. – The College of Engineering promotes a diverse engineering student body.





Responses: 3267

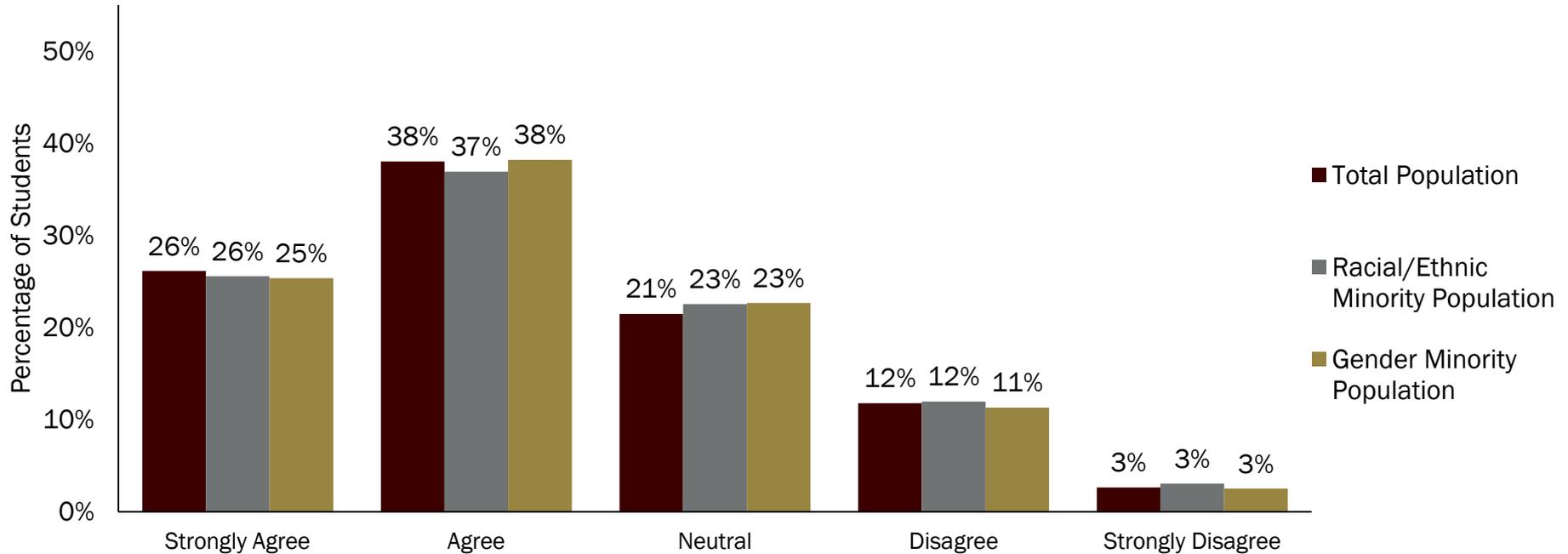
Please rate your agreement with the following statements. – The College of Engineering employs engineering faculty that values diversity of thought.





Responses: 3267

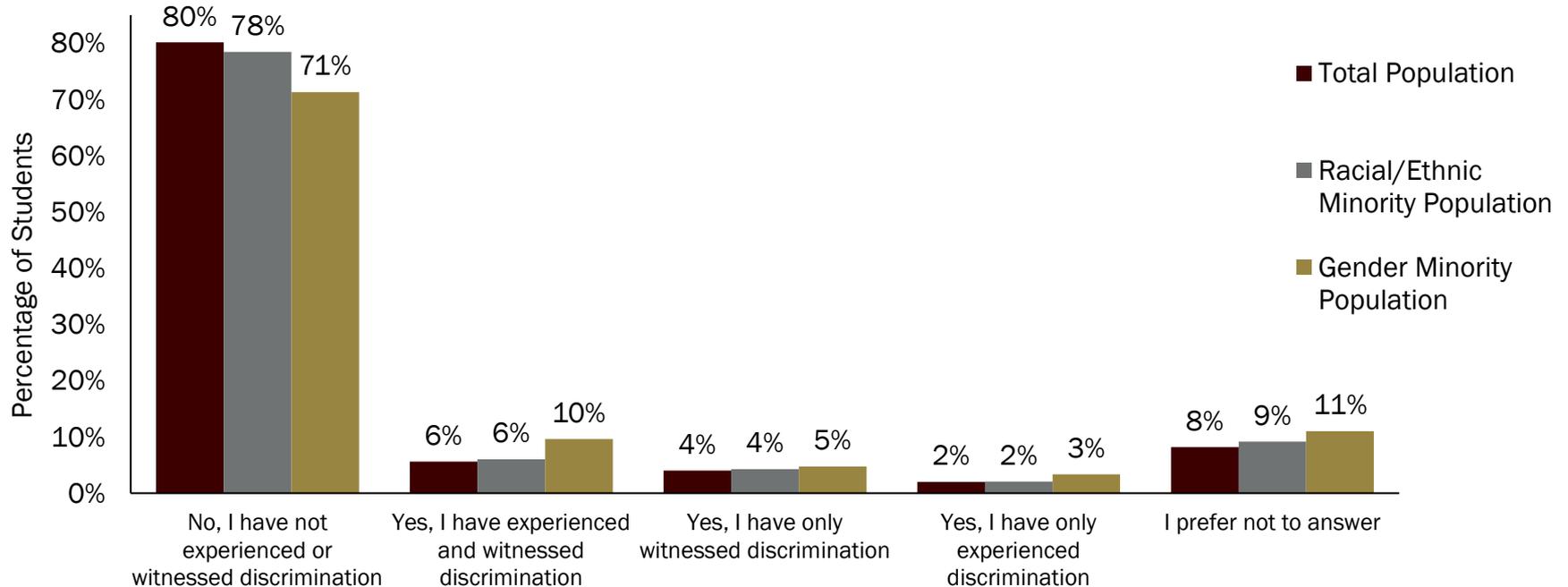
Please rate your agreement with the following statements. – I am meeting as many people and making as many friends as I want in the College of Engineering.





Responses: 3267

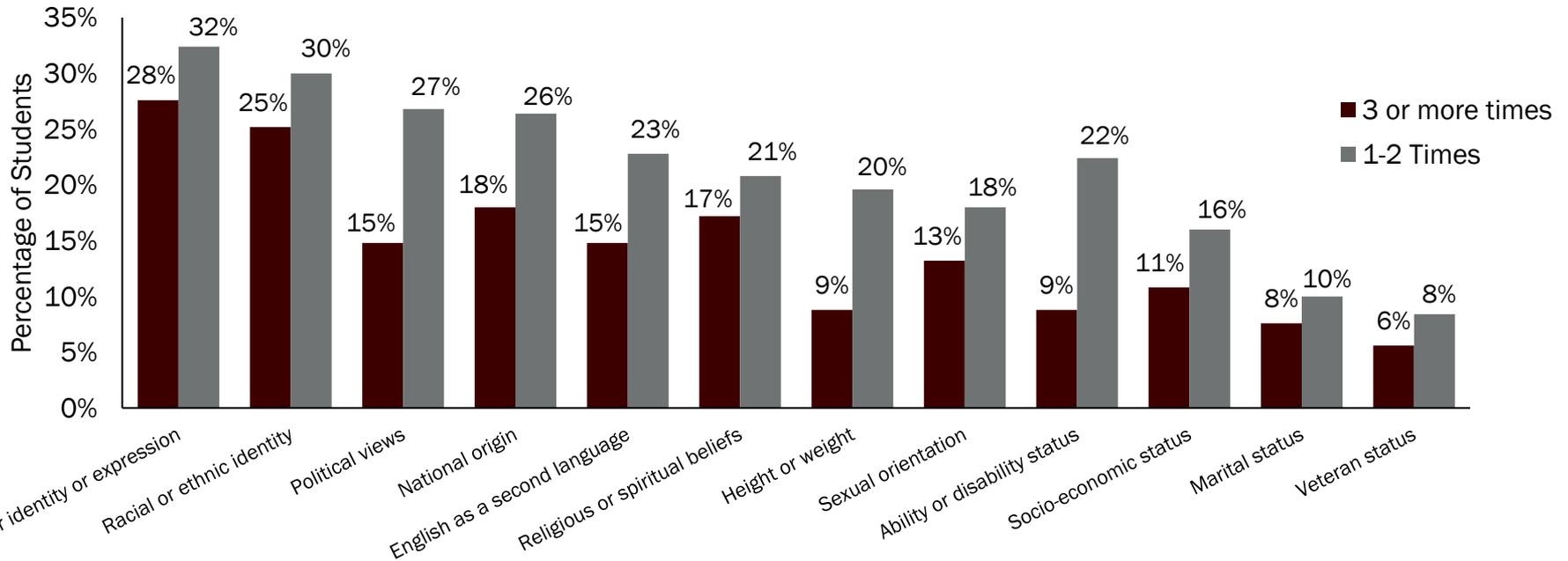
Have you experienced or witnessed discrimination within the College of Engineering?



# Asked to students who have experienced discrimination

## Responses: 250

Over the past year, how often have you experienced discriminatory events within the College of Engineering because of your... (select all that apply)



Asked to students who have experienced discrimination  
Responses: 143



What type of discrimination have you experienced? (*open ended*)

Microaggressions & biased statements

- “**Biased statements** about **women in engineering.**”
- “Microaggressions **from peers and professors.**”

Gender and religious discrimination

- “**Bias** towards **male peers**”
- “**Unwelcoming looks** and **degrading comments** based on my **physical appearance.**”

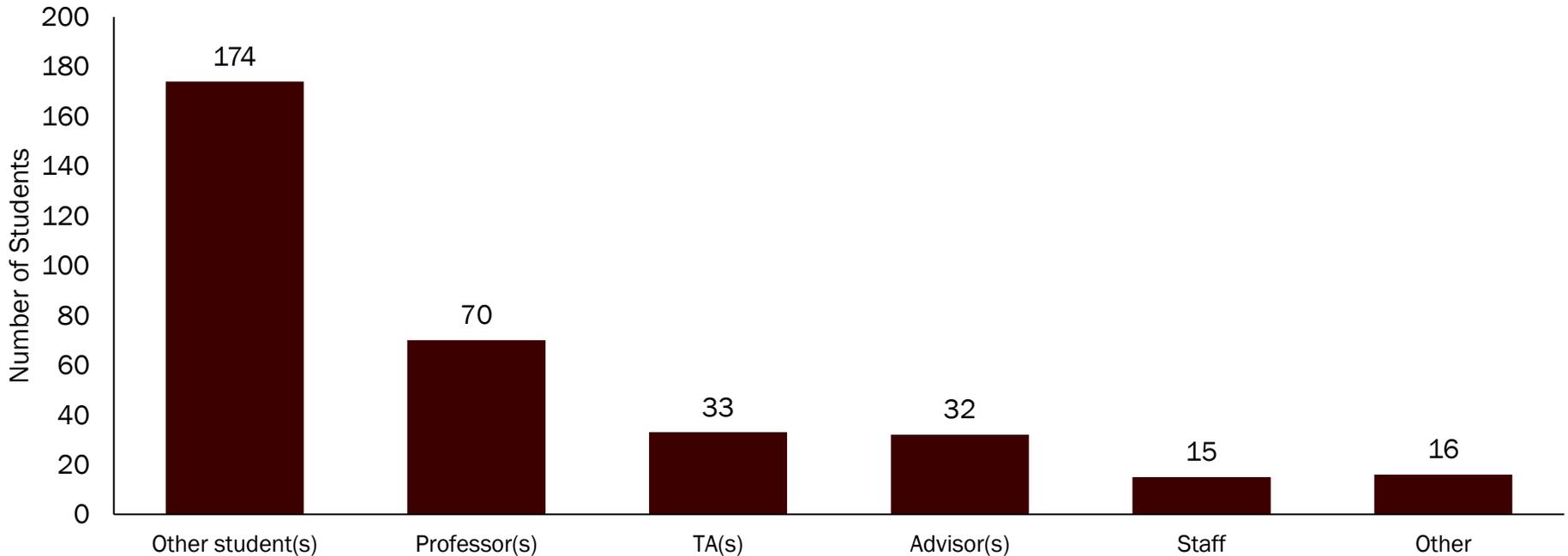
Discrimination against disabled individuals

- “**Rude statements** directed toward **disabilities.**”
- “**Facilities issues** (automatic door failure) causing **unwarranted comments**”

Asked to students who have experienced discrimination  
Responses: 250



Which of the following groups have discriminated against you?  
(select all that apply)



Asked to students who have experienced discrimination  
Responses: 113



How can the College of Engineering take steps to prevent instances of discrimination from happening in the future? (*open ended*)

Improve access to education about cultural diversity

- “**Promote diversity** and **cultural information** to students and staff.”
- “Conduct cultural and diversity **awareness courses** and workshops.”

Improve upon resources for disabled students

- “**More online resources** for students with **disabilities** and **more awareness** from **professors and TA’s.**”

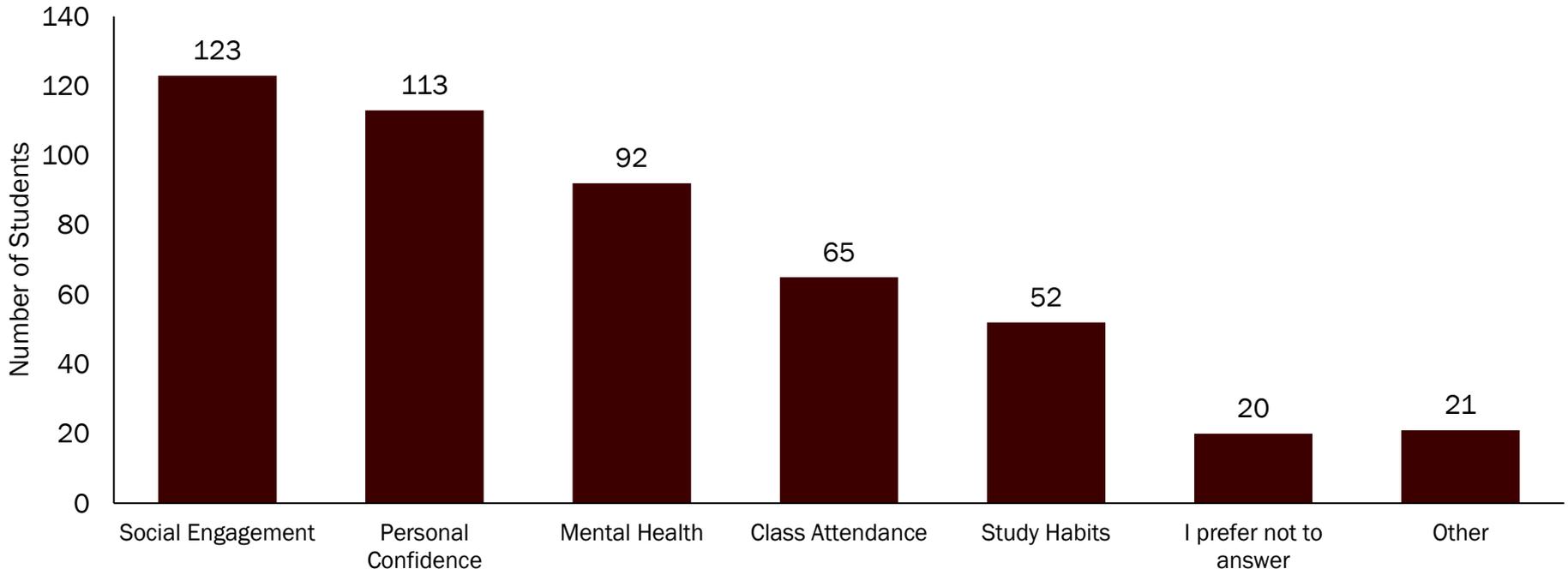
Listen to students

- “**Listen** to student complaints and **reviews on professors.**”

Asked to students who have experienced discrimination  
Responses: 250



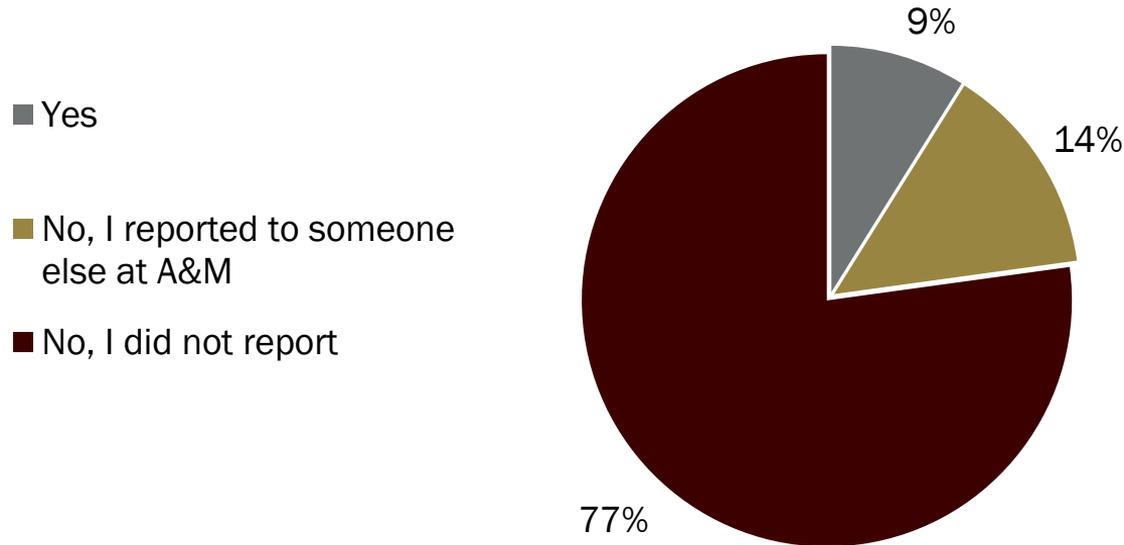
In what areas of your life has your experience of discrimination affected you?  
(select all that apply)



Asked to students who have experienced or witnessed discrimination  
Responses: 381



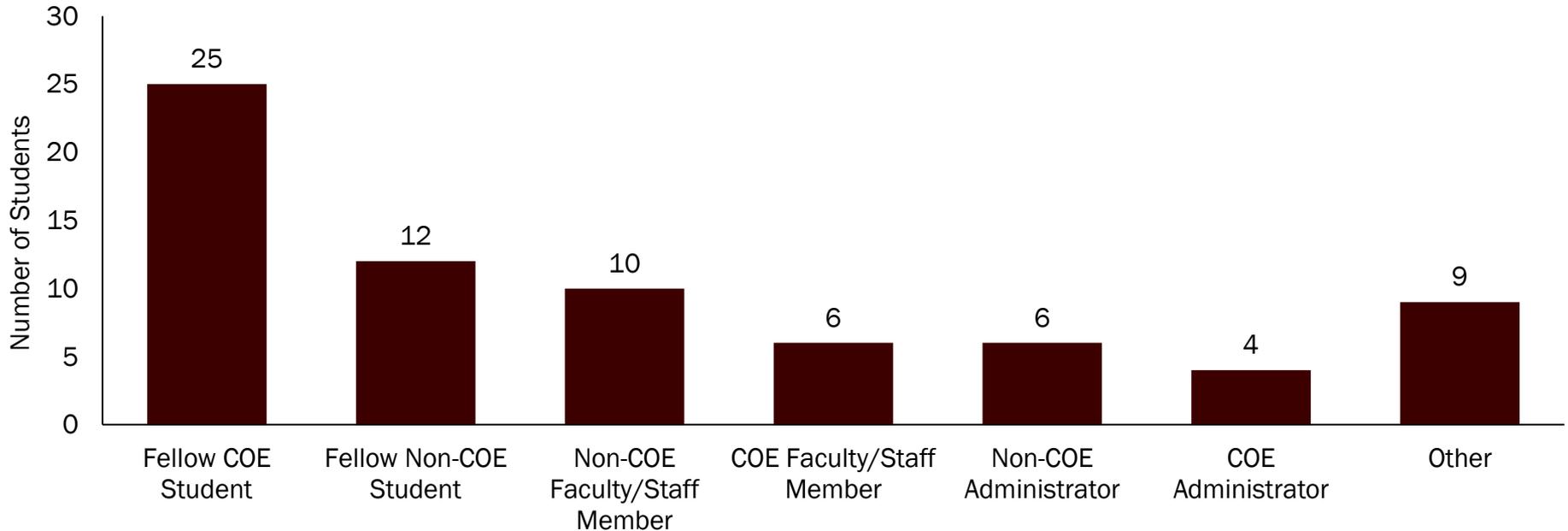
If you experienced or witnessed any discrimination within the College of Engineering, did you report the incident through an official A&M resource?



Asked to students who reported to 'Someone else at A&M'  
Responses: 53



Who did you tell? (select all that apply)

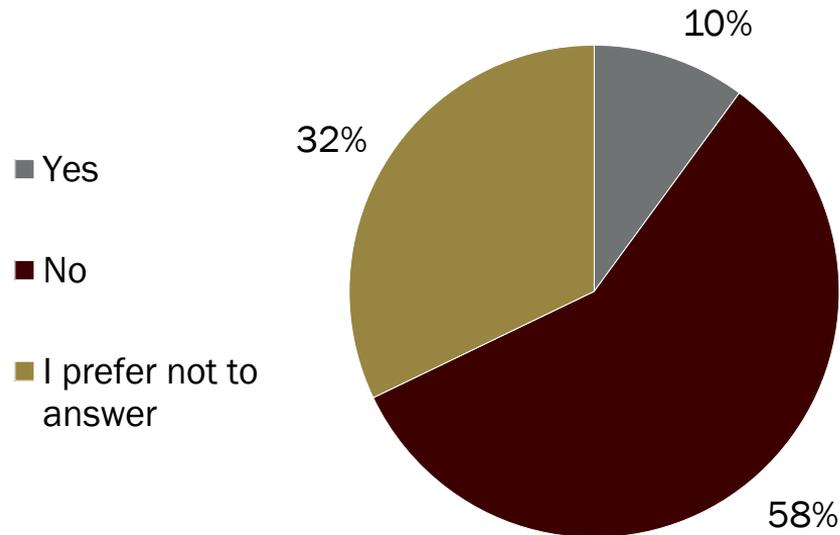


Asked to students who receive disability services

Responses: 109



If you are receiving disability services, have you experienced discrimination from an engineering faculty member because of this?



Questions?

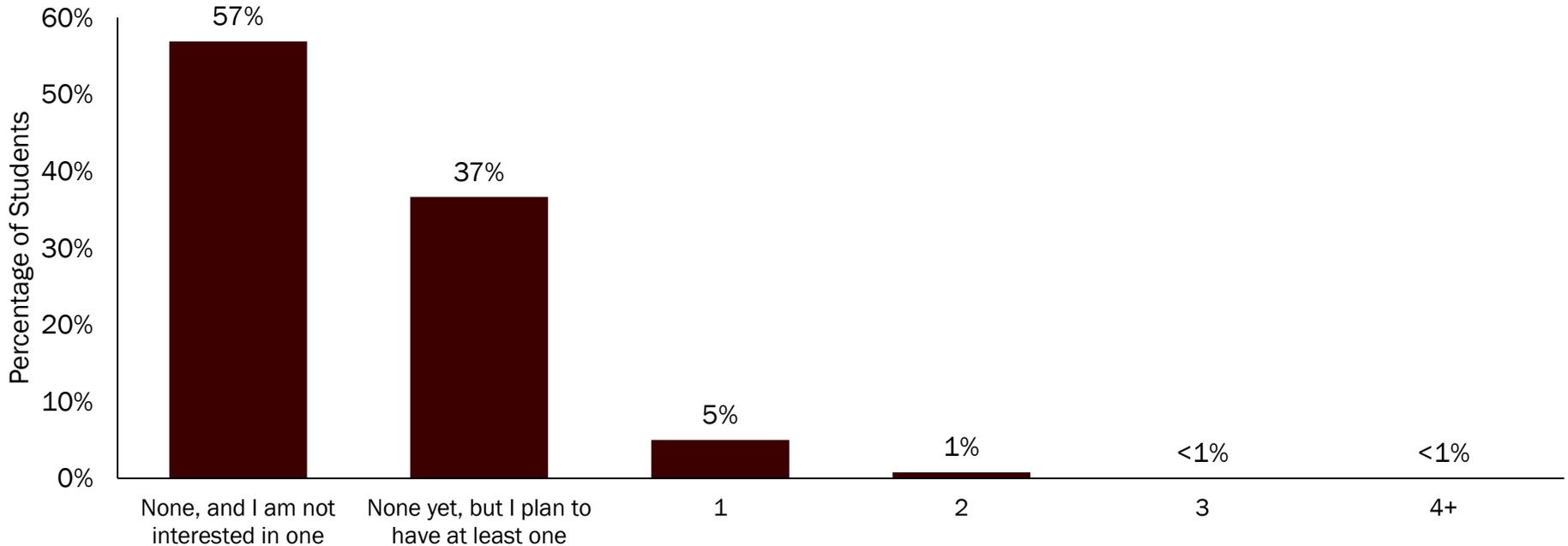
# International Experiences Questions

Asked to all students



Responses: 3267

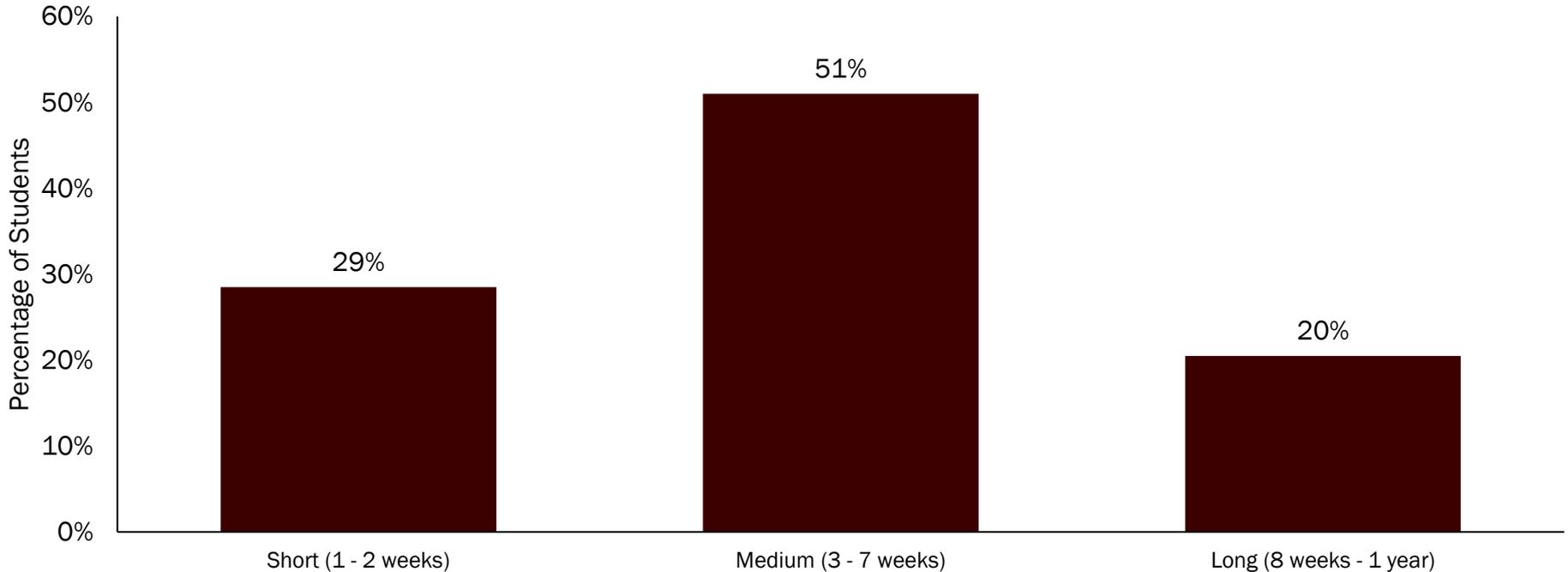
How many learning experiences have you had outside the U.S. led by the Halliburton Engineering Global Program?



Asked to students who completed 1+ international experience  
Responses: 249



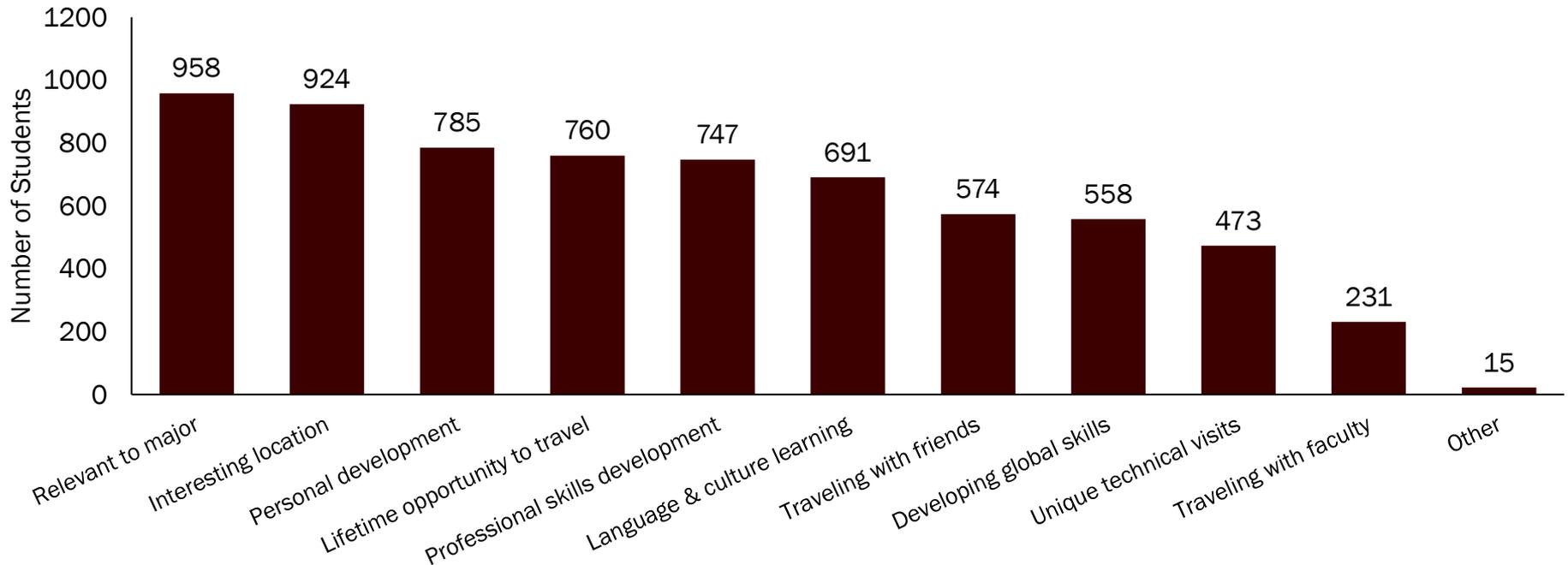
What was the average length of your experience(s) abroad?



Asked to students who plan to complete an experience abroad  
Responses: 1180

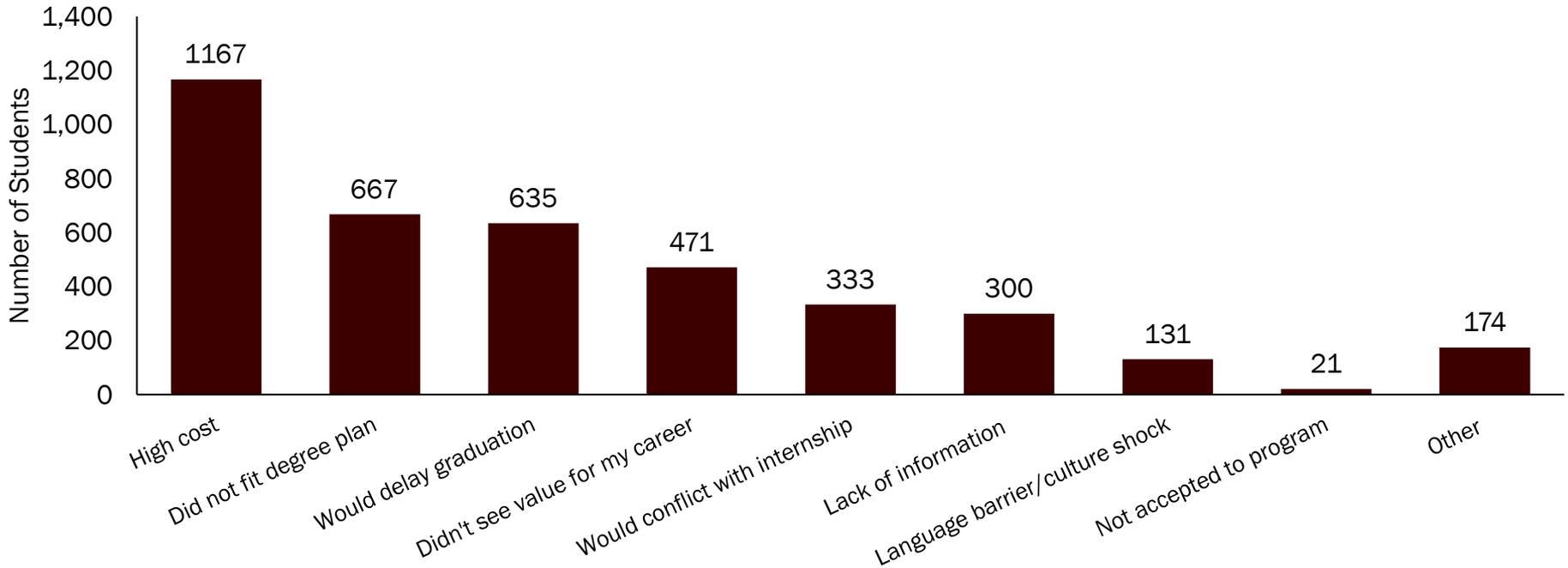


What aspects of an international learning experience would make you want to participate in it? (select all that apply)

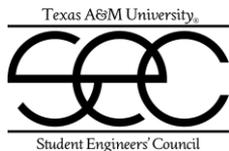


Asked to students not interested in an experience abroad  
Responses: 1838

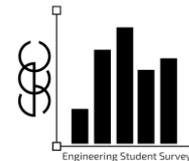
Why did you choose not to participate in international learning experience(s)?  
(select all that apply)



Questions?



# 2024-2025 Legislation Committee

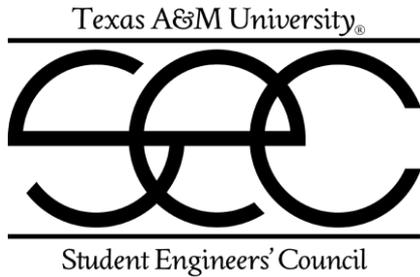


## Co-Chairs

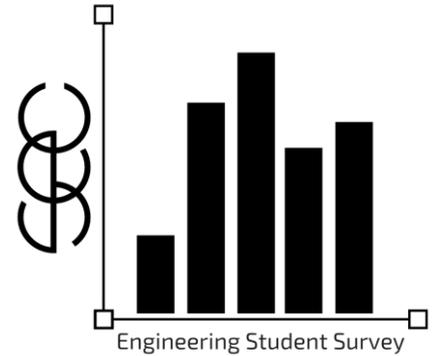
Aidan Taylor '26  
Vinathi Golkonda '26

## Members

Biya Mary Cham  
Emir Velic  
Katie Pettigrew  
Mohit Lele  
Sarah Schwarzbach  
Vibha Velur



# ENGINEERING STUDENT SURVEY



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